

---

---

## Appendix B – Paramics Local Model Validation Report

---



Norfolk County Council

---

# **GREAT YARMOUTH TOWN MICROSIMULATION MODEL**

Local Model Validation Report





Norfolk County Council

---

# **GREAT YARMOUTH TOWN MICROSIMULATION MODEL**

Local Model Validation Report

**TYPE OF DOCUMENT (VERSION) PUBLIC**

**PROJECT NO. TR010043**

**OUR REF. NO. 7.2B**

**DATE: 12 APRIL 2019**



Norfolk County Council

---

# **GREAT YARMOUTH TOWN MICROSIMULATION MODEL**

Local Model Validation Report

WSP

County Hall  
Martineau Lane  
Norwich  
NR1 2DH

Phone: +44 161 602 8400

[WSP.com](http://WSP.com)



# QUALITY CONTROL

---

Issue/revision	First issue	Revision 1	Revision 2	Revision 3
Remarks	Draft	Draft	Final Draft	Revision for submission
Date	19 Feb 2019	8 March 2019	29 March 2019	12 April 2019
Prepared by	Iñaki Gaspar	Iñaki Gaspar	Iñaki Gaspar	Iñaki Gaspar
Signature				
Checked by	Iain Lyall	Amanda Fogg	Iñaki Gaspar	Iñaki Gaspar
Signature				
Authorised by	Amanda Fogg	Amanda Fogg		Amanda Fogg
Signature				
Project number	TR010043			
Report number	7.2B			
File reference	GY3RC/DCO Application/Transport Assessment Appendix B: Paramics LMVR			

# CONTENTS

---

<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
1.1	THE GREAT YARMOUTH THIRD RIVER CROSSING SCHEME	1
1.2	PREVIOUS WORK AND REQUIREMENT FOR UPDATED MODELS	1
1.3	PURPOSE OF THIS REPORT	1
	REPORT STRUCTURE	1
<b>2</b>	<b>MODEL AREA AND DATA SOURCES</b>	<b>3</b>
2.1	MICROSIMULATION MODEL AREA	3
2.2	GREAT YARMOUTH TRAFFIC MODEL (GYTM)	4
2.3	TRAFFIC SURVEY DATA	4
	MANUAL CLASSIFIED COUNTS	5
	QUEUE LENGTH MEASUREMENTS	8
	AUTOMATIC TRAFFIC COUNTS	8
	JOURNEY TIME DATA	11
2.4	TRAFFIC SIGNAL DATA	13
2.5	BUS SERVICE DATA	13
2.6	BRIDGE LIFTING TIMES	13
2.7	OTHER DATA SOURCES	14
<b>3</b>	<b>MODEL CONSTRUCTION AND NETWORK DEVELOPMENT</b>	<b>15</b>
3.1	SOFTWARE VERSION	15
3.2	NETWORK CONSTRUCTION	15
	ROUTEING	15
	LINK SPEED LIMITS	16
	ROAD HIERARCHY	17
	LINK CATEGORIES	19
	VEHICLE RESTRICTIONS	20

---

<b>3.3</b>	<b>SIGNAL CONTROLLED JUNCTIONS</b>	<b>20</b>
<b>3.4</b>	<b>PEDESTRIAN CROSSINGS</b>	<b>22</b>
<b>3.5</b>	<b>JUNCTION-SPECIFIC PARAMETER MODIFICATION</b>	<b>22</b>
	GIVE WAY BEHAVIOUR AT ROUNDABOUTS	23
<b>3.6</b>	<b>LINK-SPECIFIC PARAMETER MODIFICATION</b>	<b>23</b>
	LINK SPEED LIMITS	23
	LINK HEADWAY FACTORS	23
<b>3.7</b>	<b>BUS SERVICES</b>	<b>23</b>
<b>4</b>	<b>DEMAND MATRIX AND PROFILE DEVELOPMENT</b>	<b>27</b>
<b>4.1</b>	<b>DEMAND MATRIX DIMENSIONS</b>	<b>27</b>
<b>4.2</b>	<b>DEMAND MATRIX DEVELOPMENT INTRODUCTION</b>	<b>29</b>
	DATA AVAILABLE	29
	OVERVIEW OF THE PROCESS	29
<b>4.3</b>	<b>DEVELOPMENT OF THE PRIOR MATRIX</b>	<b>30</b>
	EXPANDING THE GYTM CORDON MATRICES	30
<b>4.4</b>	<b>PREPARING THE OTHER INPUTS FOR MATRIX ESTIMATION</b>	<b>31</b>
	SURVEY DATA	31
	ROUTEING FILE	31
	CONSTRAINTS	31
<b>4.5</b>	<b>MATRIX ESTIMATION PROCESS</b>	<b>31</b>
<b>4.6</b>	<b>MATRIX ASSIGNMENT</b>	<b>34</b>
	PROFILE DEVELOPMENT	34
	RELEASE METHOD	34
<b>4.7</b>	<b>RUNNING THE MODEL</b>	<b>34</b>
<b>5</b>	<b>MODEL CALIBRATION</b>	<b>35</b>
<b>5.1</b>	<b>CALIBRATION STEPS</b>	<b>35</b>
	DATA UTILISED	35
<b>5.2</b>	<b>TRAFFIC FLOW AND JOURNEY TIME CALIBRATION GUIDELINES</b>	<b>37</b>
<b>5.3</b>	<b>TURN AND LINK COUNT CALIBRATION</b>	<b>37</b>

<b>5.4</b>	<b>QUEUE LENGTH CALIBRATION</b>	<b>38</b>
<b>5.5</b>	<b>JOURNEY TIME CALIBRATION</b>	<b>40</b>
<b>6</b>	<b>SUMMARY</b>	<b>41</b>

---

## ***TABLES***

Table 2-1 - 2018 MCC Locations in Great Yarmouth	5
Table 2-2 - 2018 Queue Length Measurements Locations in Great Yarmouth	8
Table 2-3 - 2018 ATC Locations in Great Yarmouth	8
Table 2-4 - Journey Time Route Descriptions	11
Table 2-5 - Monthly Haven Bridge lifts in 2015	13
Table 3-1 - Paramics Discovery generalised cost coefficients for generalised cost with units in seconds	16
Table 3-2 - Vehicle parameters	16
Table 3-3 - Link categories	19
Table 3-4 - Modelled Public Transport Services	24
Table 4-1 - Model zones	27
Table 4-2 - Prior Matrices Validation	31
Table 4-3 - Summary of matrix estimation changes	33
Table 5-1 - The WebTAG Calibration Acceptability Guidelines	37
Table 5-2 - Calibration across all turn and link counts	37
Table 5-3 - Peak-hour flows compared with observed flows	38
Table 5-4 - Qualitative queue comparison	39
Table 5-5 - Journey Time Routes Summary (Pass Rate)	40

## ***FIGURES***

Plate 2-1 - Microsimulation Model Study Area	3
Plate 2-2 - Great Yarmouth Traffic Model Simulation and Study Area	4
Plate 2-3 - 2018 MCC Location Map	7





Plate 2-4 - 2018 ATC Location Map	10
Plate 2-5 - Journey Time Routes	12
Plate 3-1 - Road Hierarchy	18
Plate 3-2 - Location of the modelled signal junctions and pedestrian crossings	21
Plate 3-3 - Modelled Public Transport Routes	25
Plate 3-4 - Modelled Public Transport Stops	26
Plate 4-1 - The Iterative Matrix Estimation Process	30
Plate 4-2 - Matrix Estimation - trip length distribution changes (AM period)	32
Plate 4-3 - Matrix Estimation - trip length distribution changes (IP period)	32
Plate 4-4 - Matrix Estimation - trip length distribution changes (PM period)	33
Plate 5-1 - Traffic Count Locations used for Calibration and Validation	36

---

## **ANNEXES**

ANNEX A	TURN AND LINK COUNT CALIBRATION
ANNEX B	QUEUE LENGTH CALIBRATION
ANNEX C	JOURNEY TIME CALIBRATION

# 1 INTRODUCTION

---

## 1.1 THE GREAT YARMOUTH THIRD RIVER CROSSING SCHEME

1.1.1. The Scheme involves the construction, operation and maintenance of a new crossing of the River Yare in Great Yarmouth. The Scheme consists of a new dual carriageway road, including a road bridge across the river, linking the A47 at Harfrey's Roundabout on the western side of the river to the A1243 South Denes Road on the eastern side. The Scheme would feature an opening span double leaf bascule (lifting) bridge across the river, involving the construction of two new 'knuckles' extending the quay wall into the river to support the bridge. The Scheme would include a bridge span over the existing Southtown Road on the western side of the river, and a bridge span on the eastern side of the river to provide an accommodation underpass for existing businesses, enabling the new dual carriageway road to rise westwards towards the crest of the new crossing.

## 1.2 PREVIOUS WORK AND REQUIREMENT FOR UPDATED MODELS

- 1.2.1. As part of a wider commission providing design, engineering and consultancy support services, Mouchel (now part of WSP) was appointed by Norfolk County Council (NCC), "The Applicant", to develop a Paramics Discovery model of Great Yarmouth to produce traffic forecasts as part of the assessments for informing the design and option assessment of the Scheme. More information about this previous model can be found on the Local Model Validation Report (LMVR) prepared by Mouchel in March 2017 (1076653-MOU-GEN-XX-TN-TP-0002), which formed part of the Outline Business Case submission.
- 1.2.2. Additionally, WSP was appointed to produce other traffic forecasts and economic appraisal outputs using forecast models as part of a Value for Money (VfM) appraisal for the Scheme. The VfM case formed part of an Outline Business Case (OBC) which was submitted to the Department of Transport (DfT) in March 2017 and was subsequently approved.
- 1.2.3. The Great Yarmouth Town Microsimulation Model, and a SATURN highway model and CUBE demand model of Great Yarmouth and the surrounding area westwards to Norwich, which together formed the suite of models used, were developed in 2017 with a base year of 2016. These models need to be updated to a 2018 base year to inform the Transport Assessment (TA) and the Economic Appraisal Report (EAR), which in turn feeds into the Environmental Statement (ES) for the Development Consent Order (DCO) submission.

## 1.3 PURPOSE OF THIS REPORT

1.3.1. The aim of this report is to provide information relating to the development, calibration and validation of the updated Great Yarmouth Town Microsimulation Model, which covers the town of Great Yarmouth and the north of Gorleston. This report will demonstrate the fitness for the purpose of this model for assessing local and town-wide impacts of the Scheme.

### REPORT STRUCTURE

- 1.3.2. Following this Introduction, this LMVR contains sections that provide detail on the following elements of the model:
- Model Area and Data Sources (Section 2);
  - Model Construction and Network Development (Section 3);

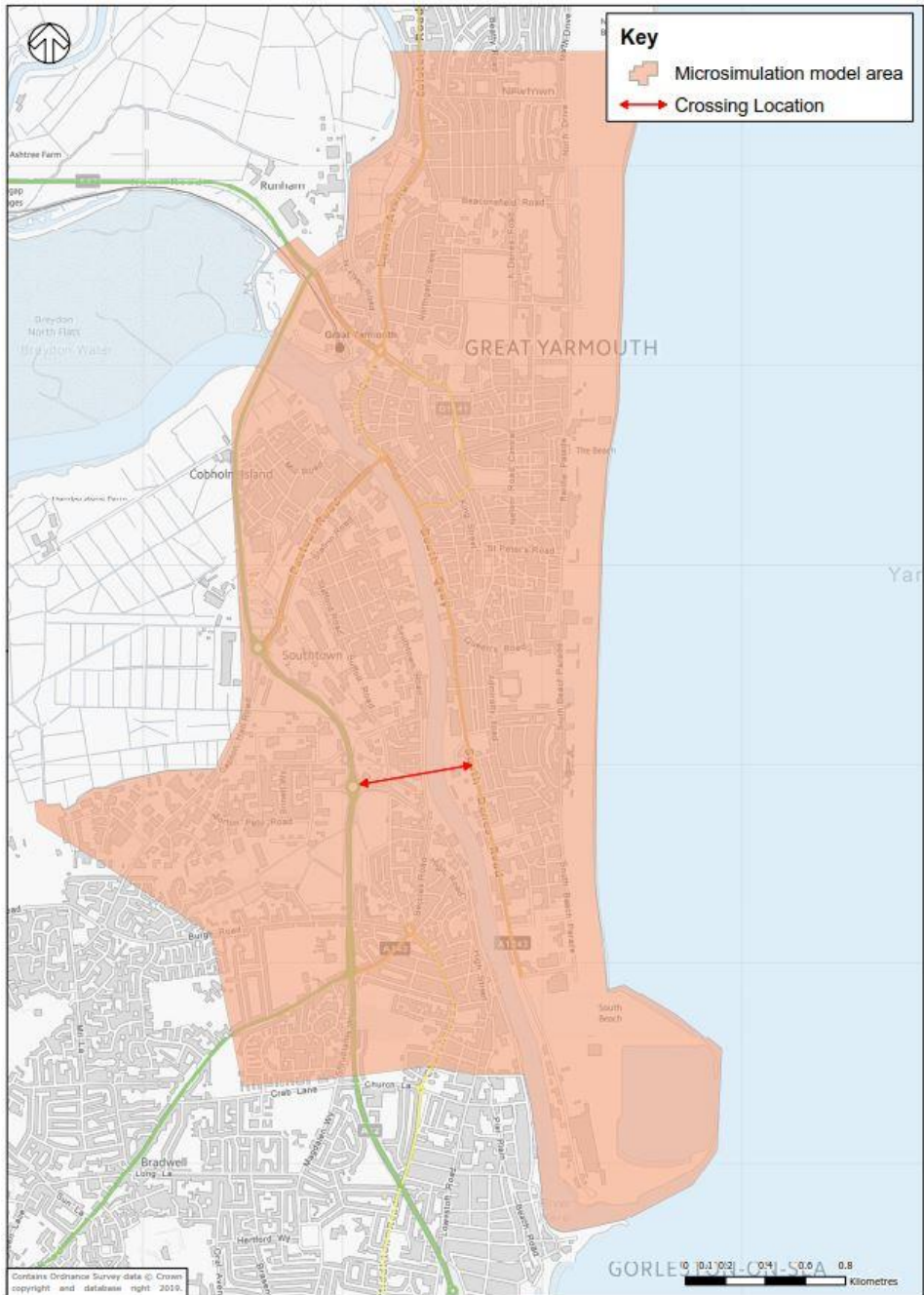


- Demand Matrix and Profile Development (Section 4); and
- Model Calibration (Section 5).

## 2 MODEL AREA AND DATA SOURCES

### 2.1 MICROSIMULATION MODEL AREA

2.1.1. The Great Yarmouth Town Microsimulation Model has been developed for assessing the local and town-wide impacts of the Scheme. For that reason, the model covers the area of Great Yarmouth and Gorleston at both sides of the River Yare. Plate 2-1 shows the extents of the model network.



**Plate 2-1 - Microsimulation Model Study Area**

## 2.2 GREAT YARMOUTH TRAFFIC MODEL (GYTM)

- 2.2.1. WSP has also developed a SATURN highway and a CUBE demand model of Great Yarmouth. These models were used to support the construction of the matrices of the Paramics Discovery model, which is described in more detail in Section 4.3. More information about these models can be found in the *Appendix A* of the DCO document 7.6 – *Economic Appraisal Report*.
- 2.2.2. The detailed simulation area of the 2018 GYTM SATURN model covers the whole of the Great Yarmouth conurbation. The model covers in detail all the urban areas between Caister-on-Sea to the north, Gorleston-on-Sea to the south and the village of Belton to the west, as shown in Plate 2-2.
- 2.2.3. This boundary of the simulation area is considered wide enough to capture the biggest impacts expected due to the Scheme and also includes a wider area where impacts are likely to occur but relatively minor in magnitude.



**Plate 2-2 - Great Yarmouth Traffic Model Simulation and Study Area**

## 2.3 TRAFFIC SURVEY DATA

- 2.3.1. An extensive programme of traffic surveys was undertaken in October 2016 to complement the existing historic traffic data. This data was collected to support the building, calibration and validation the 2016 suite of models, as well as supporting other part of the scheme development and appraisal.
- Permanent counts from Highways England’s Traffic Flow Data System WebTRIS;
  - Automatic Number Plate Recognition (ANPR);
  - Automatic Traffic Counts (ATCs);
  - Roadside Interview (RSI) surveys capturing the details of movements through sites on nine on main roads in Great Yarmouth;

- Manual Classified Count (MCC) turning counts; and
- Trafficmaster origin/destination (TMOD) and journey time data from the Basemap’s Highways Analyst tool, which used DfT’s Trafficmaster data.

2.3.2. More information about these traffic data can be found in the Traffic Data Collection Report (1076653-MOU-GEN-XX-TN-TP-0001) produced in March 2017, which formed part of the Outline Business Case submission.

2.3.3. A further programme of traffic surveys was undertaken in March 2018 to understand current travel patterns and network conditions and gather evidence to support the understanding of current traffic operation at the main junctions of Great Yarmouth and the wider area as well as any changes from 2016. These surveys, which were all undertaken by data collection subcontractors CTS, comprised:

- Manual Classified Counts at 15 junctions;
- Queue length surveys on 9 junction approaches; and
- Automatic Traffic Counts between junctions at 20 locations.

2.3.4. Details of the further programme of traffic surveys in 2018 can be found in the DCO document 7.2 Appendix A: *Traffic Data Collection Report (GYTRC-WSP-TPS-XX-RP-TP -0002)*.

### MANUAL CLASSIFIED COUNTS

2.3.5. Fifteen MCCs have been undertaken at various junctions within Great Yarmouth. These counts were undertaken for twelve hours (07:00–19:00) on Thursday, 8 March 2018.

2.3.6. The locations of the MCCs are listed in Table 2-1 and shown in Plate 2-3.

**Table 2-1 - 2018 MCC Locations in Great Yarmouth**

Ref No.	Junction
1	Fuller’s Hill roundabout
2	Vauxhall roundabout
3	Gapton Hall roundabout
4	Harfrey’s roundabout
5	Hall Quay
6	A149 Acle New Road / Great Yarmouth Station access
7	Beccles Road / Burgh Road roundabout
8	Beccles Road / William Adams Way / Southtown Road
9	Southtown Road / Pasteur Road / Bridge Road / Mill Road
10	Fuller’s Hill / Priory Plain / Northgate Street / Market Place
11	Nicholas Road / Nelson Road / Euston Road
12	North Drive / Car Park Access / Euston Road / Marine Parade



13	South Quay / Yarmouth Way
14	Alexandra Road / Dene Side / King Street / Yarmouth Way
15	Alexandra Road / Trafalgar Road



**Plate 2-3 - 2018 MCC Location Map**



## QUEUE LENGTH MEASUREMENTS

- 2.3.7. Maximum queue length measurements were recorded on the same day as the MCCs at nine junctions listed in Table 2-2. The data was gathered between 07:00–10:00 and 15:00–19:00 at 5-minute intervals.

**Table 2-2 - 2018 Queue Length Measurements Locations in Great Yarmouth**

Ref No.	Junction
1	Fuller's Hill roundabout
2	Vauxhall roundabout
3	Gapton Hall roundabout
4	Harfreys roundabout
5	Hall Quay
6	A149 Acle New Road / Great Yarmouth Station access
8	Beccles Road / William Adams Way / Southtown Road
9	Southtown Road / Pasteur Road / Bridge Road / Mill Road
13	South Quay / Yarmouth Way

## AUTOMATIC TRAFFIC COUNTS

- 2.3.8. A total of 20 ATCs were commissioned at key locations around Great Yarmouth town centre and the peninsula. The data was recorded for two weeks between Monday, 5 March 2018 and Sunday, 18 March 2018.
- 2.3.9. The locations of the ATCs are listed in Table 2-3 shown in Plate 2-3.

**Table 2-3 - 2018 ATC Locations in Great Yarmouth**

REF NO.	LOCATION
1	A47 - Breydon Bridge
2	Haven Bridge
3	Lawn Avenue
4	Northgate Street
5	N Denes Road
6	North Drive
7	Gapton Hall Road
8	Burgh Road
9	Beccles Road
10	A47/Beccles Road



REF NO.	LOCATION
11	S Denes Road
12	S Beach Parade
13	A47 New Road
14	Caister Road
15	A149 Caister By-Pass
16	B1370 Middleton Road
17	Southtown Road
18	B1141 Priory Plain
19	Euston Road
20	Acle New Road

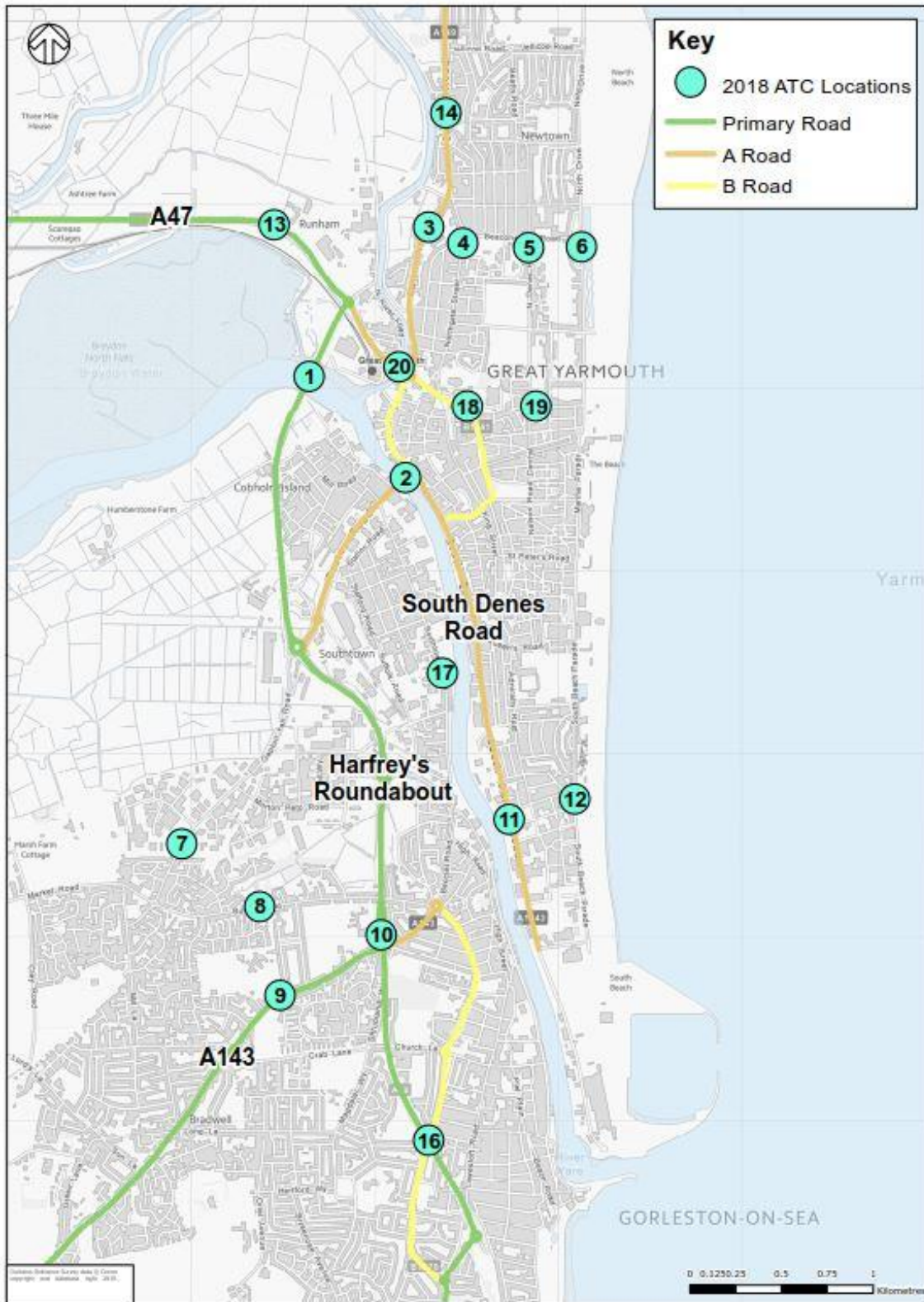


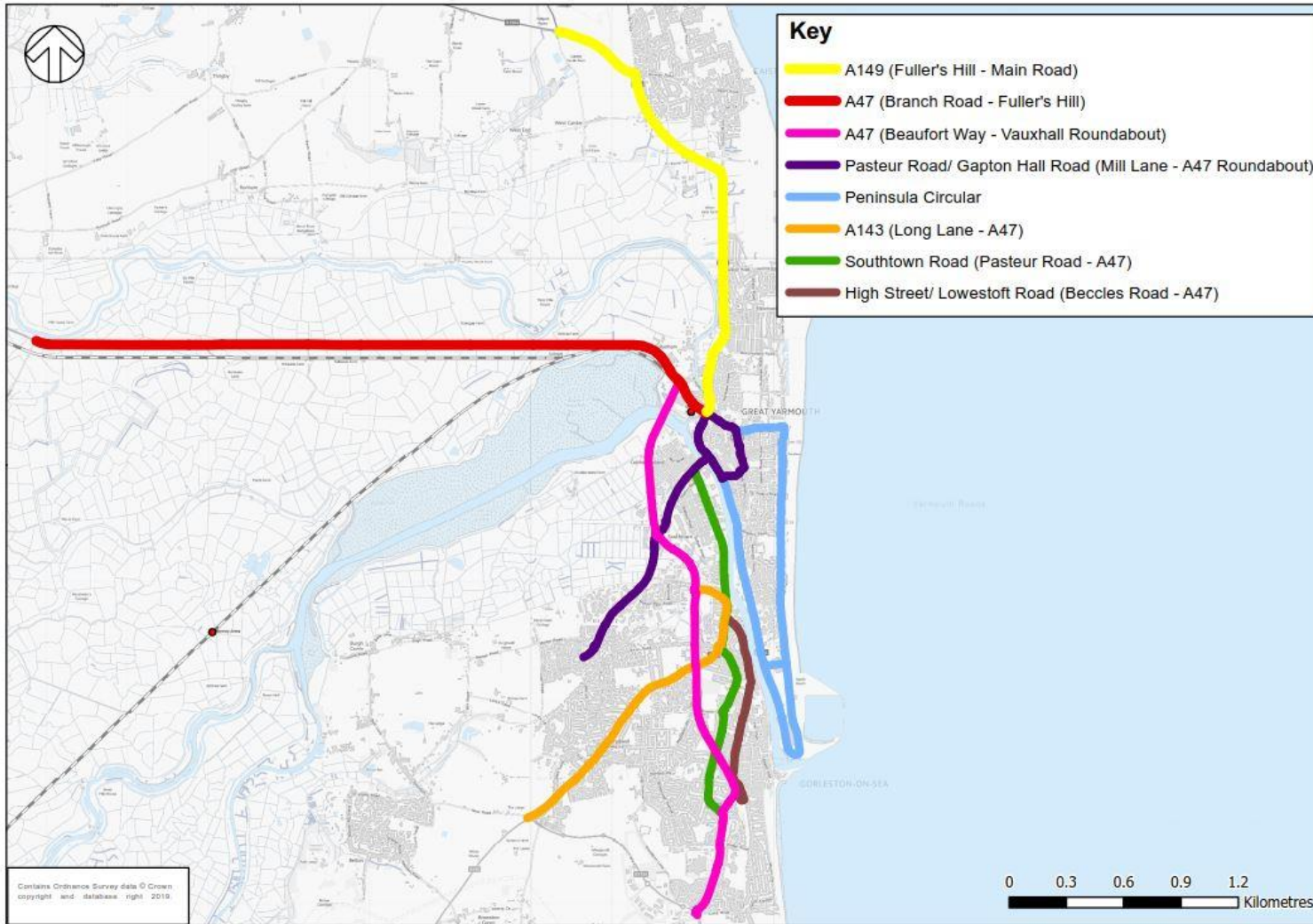
Plate 2-4 - 2018 ATC Location Map

## JOURNEY TIME DATA

- 2.3.10. In 2016, some journey time data was gathered for eight routes across the study area, reflecting a range of journeys that take place and covering all of the main roads in the area closes to the Scheme. For these eight routes, Trafficmaster origin/destination (TMOD) data was obtained from the Basemap Highways Analyst tool.
- 2.3.11. A route description is provided in Table 2-4. The journey time routes for which data has been received can be seen in Figure 2-4.

**Table 2-4 - Journey Time Route Descriptions**

Route	Description
1 NB	A149 from Fuller's Hill Roundabout to Tar Works junction
1 SB	A149 from Tar Works junction to Fuller's Hill Roundabout
2 EB	A47 from Vauxhall roundabout to Fuller's Hill Roundabout
2 WB	A47 from Fuller's Hill Roundabout to Vauxhall roundabout
3 NB	A47 from A143 junction to Vauxhall Roundabout
3 SB	A47 from Vauxhall Roundabout to A143 junction
4 NB	Gapton Hall Road to Bus Station
4 SB	Bus Station to Gapton Hall Road
5 CW	Peninsular Clockwise from A47 roundabout via South Beach Parade/A1243/B1141
5 ACW	Peninsular Anticlockwise from A47 roundabout via South Beach Parade/A1243/B1141
6 NB	A143 Beccles Road to Harfrey's roundabout
6 SB	Harfrey's roundabout to A143 Beccles Road
7 NB	Church Road to Southdown Road/Pasteur Road junction
7 SB	Southdown Road/Pasteur Road junction to Church Road
8 NB	High Street to High Road
8 SB	High Road to High Street



**Plate 2-5 - Journey Time Routes**

## 2.4 TRAFFIC SIGNAL DATA

- 2.4.1. Traffic signal data for the controlled pedestrian crossings and signal controlled junctions was obtained from NCC. These included data logs for one day covering the modelled period from the Urban Traffic Control (UTC) system, as well as the controller specification sheets, which together were used in addition to on-street observations.

## 2.5 BUS SERVICE DATA

- 2.5.1. Information regarding the timetables and routes followed by the different services was obtained from the Website's of public transport operators in Norfolk, such as First and Anglian Bus. The location of the bus stop and public transport vehicle types was collected by visual inspection of Google street view, other digital maps and from site visits.

## 2.6 BRIDGE LIFTING TIMES

- 2.6.1. The River Yare runs through the town and there are two bascule bridges, Haven Bridge and Breydon Bridge, that provide access onto the peninsula. These bridges lift to allow boats to access the northern end of the river port of Great Yarmouth and the network of rivers that comprise the Norfolk Broads. These are closed to vehicular traffic during the lifts.
- 2.6.2. NCC has provided historical data from 2014–2016 for the number of lifts per month at Haven Bridge. A more detailed log from June 2016 provides the precise times when the bridge was opened and closed to traffic. Inspection of this shows that, when closed, it was closed to traffic for durations of between 5–10 minutes. The timings in the log file indicate that bridge lifts appear to be concentrated outside the peak period and are likely to be dominated by tidal times.
- 2.6.3. Table 2-5 shows the frequency of bridge lifts at Haven Bridge varies from one month to another. During summer 2015 the frequency was over 40 times per month with a peak of 61 in May. During the winter months it was less than 20 times per month.

**Table 2-5 - Monthly Haven Bridge lifts in 2015**

Month	Total Lifts	Weekday	Weekend
Jan-15	13	12	1
Feb-15	17	15	2
Mar-15	26	21	5
Apr-15	41	30	11
May-15	61	42	19
Jun-15	49	32	17
Jul-15	49	27	13
Aug-15	39	26	13
Sep-15	28	19	9

Oct-15	20	11	9
Nov-15	14	13	1
Dec-15	9	8	1

- 2.6.4. Due to the limited number of bridge openings day-to-day, and the fact that the Port Authority seek to avoid bridge openings during peak times, the effects of bridge openings was not included in the base year model for the Haven Bridge.
- 2.6.5. No historical data were provided regarding the number of times that Breydon Bridge on the A47 Strategic Road Network has to lift. However, NCC informed that the frequency of lifts is very low, and therefore, bridge opening was not included in the base year model for the Breydon Bridge.

## 2.7 OTHER DATA SOURCES

- 2.7.1. Detailed Ordnance Survey digital mapping tiles were utilised during the model network build.
- 2.7.2. In addition, WSP staff undertook site visits and used online aerial and street-level photography which provided additional, up-to-date information to supplement the digital mapping tiles, as well as providing an understanding of typical operation of the network.
- 2.7.3. NCC provided feedback on the performance of the model and their comments served to inform the calibration process (i.e. insufficient queueing at Acle Straight).

## 3 MODEL CONSTRUCTION AND NETWORK DEVELOPMENT

---

### 3.1 SOFTWARE VERSION

- 3.1.1. The model was developed using Paramics Discovery version 19.0, with five randomly-seeded runs being used to produce output statistics. The model should only be run in this version using this number of runs in order to replicate the outputs.
- 3.1.2. The Python-based scripting feature in the program was used to replicate the driver behaviour at Fuller's Hill roundabout, which incorporates yellow box junction markings.

### 3.2 NETWORK CONSTRUCTION

- 3.2.1. The model network was constructed to match the Ordnance Survey digital mapping tiles, which describe the physical features of the highway and the junction layouts, thereby allowing faithful replication of kerb lines and on-street stop/give-way line positions. This ensures, for example, the vehicle paths through the network are appropriate and reflect the relative conflict between traffic streams at junctions.
- 3.2.2. Permitted U-turns have not been modelled, apart from the ones at roundabouts.
- 3.2.3. Further, more detailed changes have been made as part of the model network calibration in order to better reflect the performance of the network as observed during site visits. These are described in following subsections, and in particular, sections 3.5 (p.22) and 3.6 (p.23).

#### ROUTEING

- 3.2.4. The coefficients of the generalised cost equation used are based on TAG A1.3 March 2017 (release v1.9.1)<sup>1</sup>.
- 3.2.5. Values of pence per kilometre (PPK) and pence per minute (PPM) for three vehicle classes (Car, LGV, HGV) by purpose type (Work, Commute, Other) were calculated for the three periods for input to the SATURN model. Due to differences in the model setup and software, the PPK and PPM coefficients were combined according to the matrix proportions and converted to the format required for Paramics Discovery.

---

<sup>1</sup>[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/603254/webtag-tag-unit-a1-3-user-and-provider-impacts-march-2017.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/603254/webtag-tag-unit-a1-3-user-and-provider-impacts-march-2017.pdf)



**Table 3-1 - Paramics Discovery generalised cost coefficients for generalised cost with units in seconds**

<b>Matrix</b>	<b>a (unitless)</b>	<b>b (min/mile)</b>
1	1	0.22
2	1	0.39
3	1	0.57

- 3.2.6. The dynamic assignment parameters have been left at their default settings, with an interval of 2 minutes and smoothing factor of 0.5, as these values have been observed to provide appropriate routing behaviour and response to congestion in Great Yarmouth.
- 3.2.7. Familiarity and perturbation values, related to drivers varying perceptions of cost, have been modified from their default values in accordance with best practice guidance<sup>2</sup>, as shown in Table 3-2.

**Table 3-2 - Vehicle parameters**

<b>Vehicle Type</b>	<b>Familiarity</b>		<b>Perturbation</b>	
	<b>Default Value</b>	<b>New Value</b>	<b>Default Value</b>	<b>New Value</b>
Car	0%	60%	0%	5%
LGV	0%	60%	0%	5%
OGV1	0%	5%	0%	5%
OGV2	0%	0%	0%	5%
Coach	0%	0%	0%	5%

## LINK SPEED LIMITS

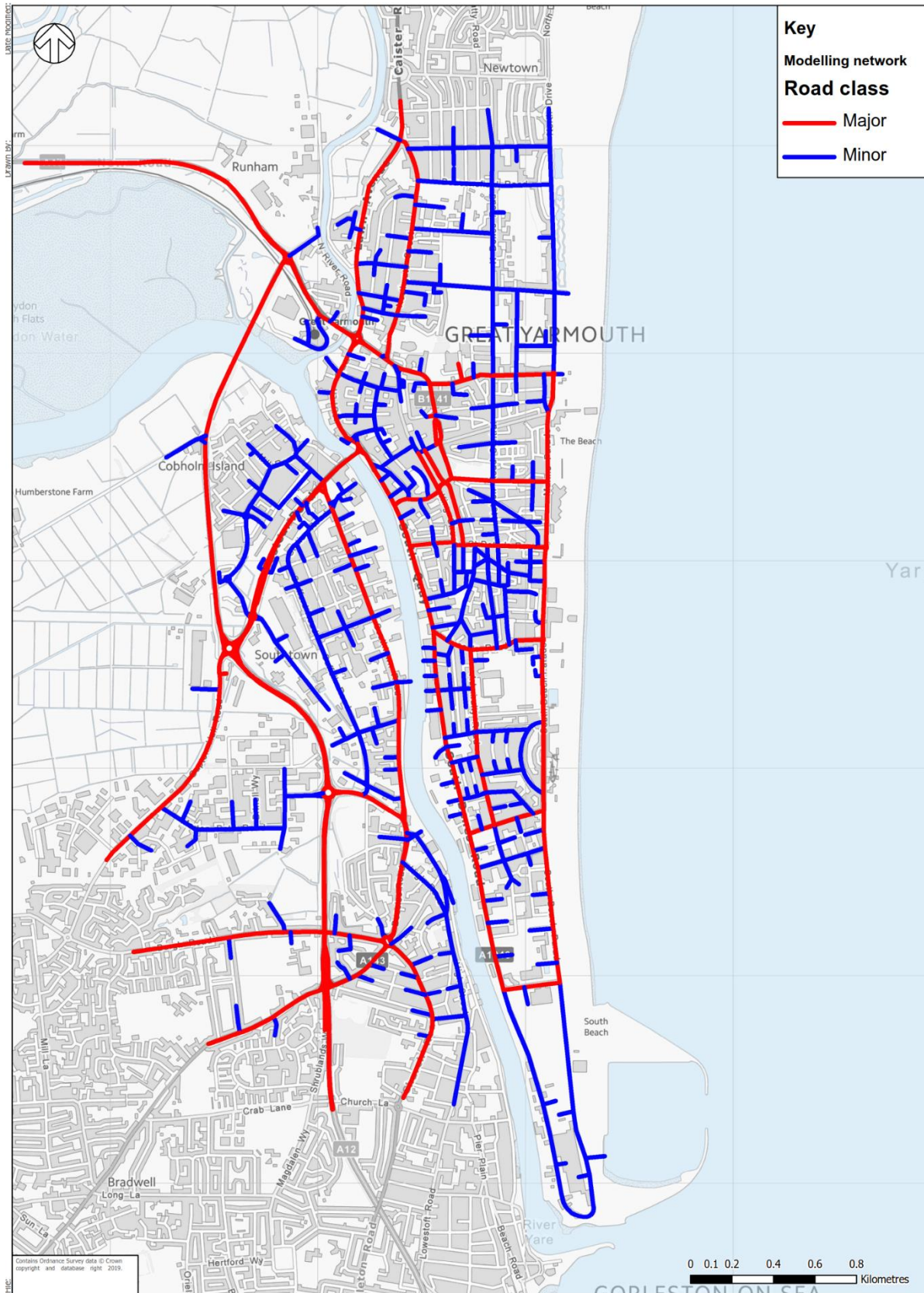
- 3.2.8. Setting a link speed on a model link to match the posted speed limit does not mean vehicles will travel exactly at or never exceed this speed. Indeed, vehicle speeds along each link in the model vary depending on the assigned behavioural characteristics for each vehicle and current conditions the driver encounters.

<sup>2</sup> The Microsimulation Consultancy Good Practice Guide, SIAS 2005

- 3.2.9. Link categories were created for the different 50mph 40mph, 30mph and 20mph roads in the model area. Within this speed-based hierarchy, further levels were created:
- of different Paramics road classes (Major/Minor) and category cost factors, reflecting the place and function of different roads in the local road hierarchy; and
  - for different levels of activity present along the modelled area (e.g. frontage access, traffic calming measures, on-street parking).

## **ROAD HIERARCHY**

- 3.2.10. A further level of route discrimination is the distinction between Major and Minor links. A Major link is typically categorised as a signposted, main route. Similarly, a Minor link is usually equivalent to minor routes that only drivers with a good knowledge of the local area would tend to use. Plate 3-1 shows the modelled road hierarchy.



**Plate 3-1 - Road Hierarchy**

## LINK CATEGORIES

- 3.2.11. Bringing together the link speed limit and road hierarchy, road categories have been defined to reflect various speed limits and link types and, further, additional category cost factors. These are detailed in Table 3-3.
- 3.2.12. These categories have been defined to create further differentiation among routes, capturing things about routes that are not described by speed limit alone and are not modelled, like on-street parking, road width, signage, etc.

**Table 3-3 - Link categories**

Name	Urban/Highway	Speed (mph)	Major/Minor	Cost factor	Overtake
Major Primary road 30mph	Urban	30	Major	1.00	No
A47 30mph north	Urban	30	Major	0.85	No
A47 40mph north	Urban	40	Major	0.85	No
A47 50mph north	Urban	50	Major	0.85	No
A47 30mph south	Urban	30	Major	0.90	No
A47 40mph south	Urban	40	Major	0.90	No
A47 50mph south	Urban	50	Major	0.90	No
Minor Secondary Road 30mph	Urban	30	Minor	1.00	No
Residential 20mph	Urban	20	Minor	1.10	No
Residential on-street parking 15mph	Urban	15	Minor	1.50	No
Burgh Road underpass 20mph	Urban	20	Major	1.00	No
Access Road	Urban	30	Minor	1.10	No
Industrial area	Urban	30	Minor	1.20	No
Major Road on-street parking 20mph	Urban	20	Major	1.00	No
Northgate St	Urban	30	Major	1.10	No
Beccles Road	Urban	30	Major	0.95	No
Lawn Avenue	Urban	30	Major	1.05	No
Southtown Road	Urban	30	Major	1.00	Yes
Suffolk Road	Urban	20	Minor	1.10	No

- 3.2.13. The category-level Cost factors defined in Table 3-3 are perceived differently by Familiar and Unfamiliar -type drivers, and depending on whether they are applied to Major or Minor links.

### **VEHICLE RESTRICTIONS**

- 3.2.14. Vehicle restrictions were found on some town centre roads and these were added to the model. They include stretches of bus lanes (Fuller's Hill and Market Gates Bus Terminal, for example) and the area around the Market for which access is allowed only for loading and unloading goods.

## **3.3 SIGNAL CONTROLLED JUNCTIONS**

- 3.3.1. There are 22 signal controlled junctions in the modelled network:

1. A149 Caister Road / A149 Lawn Avenue / Tar Works Road / Caister Road
2. Northgate Street / Fuller's Hill
3. Fuller's Hill / Priory Plain
4. Priory Plain / Street Nicholas Road / Temple Road
5. Temple Road / Market Gates
6. St Nicholas Road / Euston Road / Nelson Road North
7. Nelson Road Central / Trafalgar Road
8. Trafalgar Road / Alexandra Road
9. Yarmouth Way / A1243 South Quay
10. B1141 Hall Quay / Hall Plain
11. B1141 Hall Quay / A1243 Bridge Road
12. A1243 Bridge Road / Southtown Road / A1243 Pasteur Road / Mill Road
13. Southtown Road / Station Road
14. Southtown Road / Gordon Road
15. Southtown Road / Tollgate Road
16. Southtown Road / Boundary Road
17. Southtown Road / William Adams Way / Beccles Road
18. Beccles Road / High Road
19. A143 Beccles Road / A47 Slip Roads / Shrublands Way
20. A149 Acle New Road / Station Access
21. Queen's Road / Camden Road / Admiralty Road
22. Gapton Hall Roundabout

- 3.3.2. Most of these junctions have been configured to operate under VA control. However, during peak hours the VA systems tend to operate as fixed time due to the high levels of traffic. Therefore, for simplicity, these junctions have been modelled as fixed time for each peak period. UTC data logs have been reviewed and processed to calculate the average timings in the AM, inter-peak (IP) and PM periods.

- 3.3.3. Plate 3-2 shows the location of the modelled signalised junctions and pedestrian crossings.

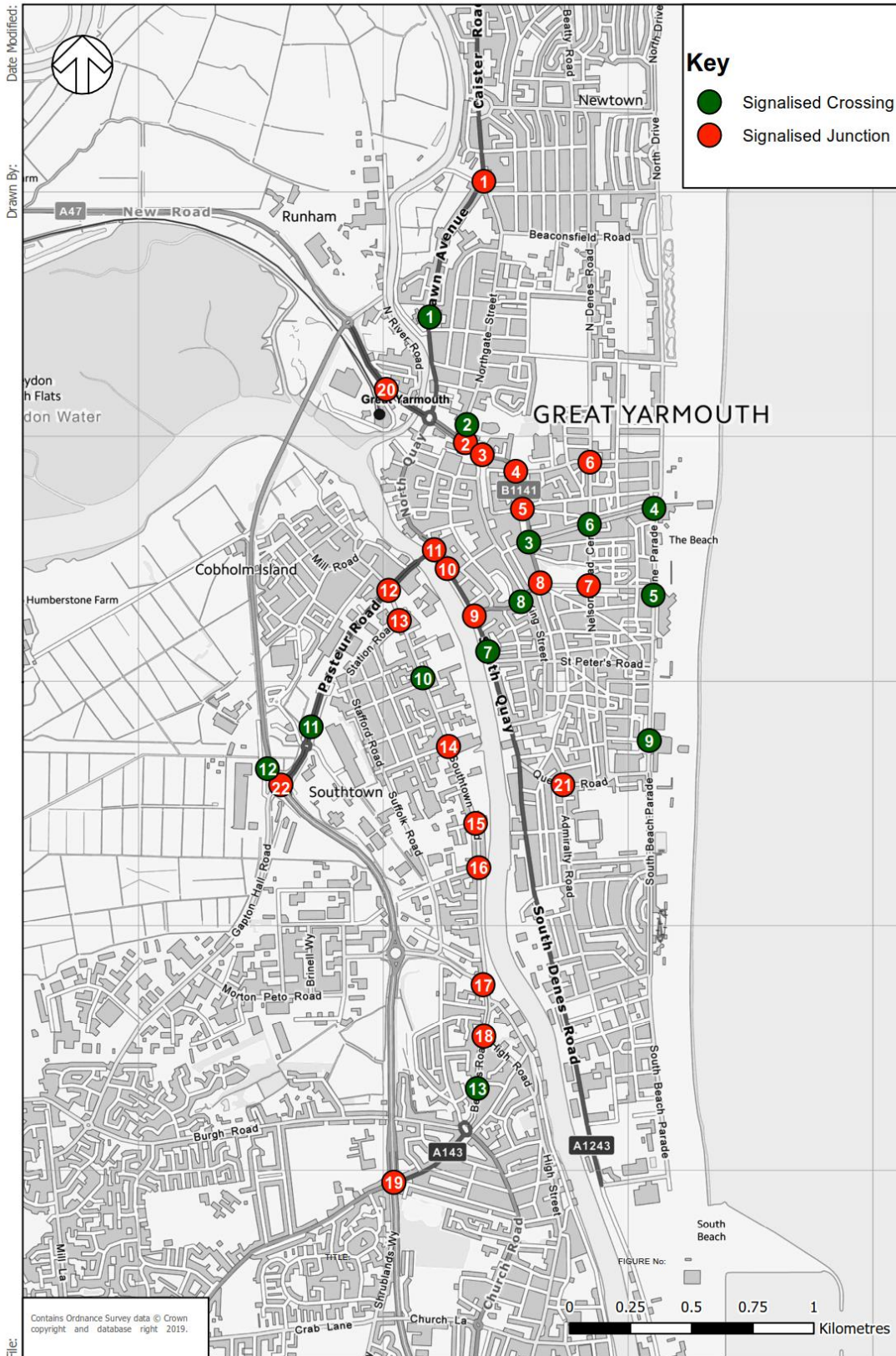


Plate 3-2 - Location of the modelled signal junctions and pedestrian crossings

## 3.4 PEDESTRIAN CROSSINGS

3.4.1. Thirteen controlled pedestrian crossings across the study area have been included:

1. A149 Lawn Avenue
2. Northgate Street
3. Alexandra Road
4. Marine Parade
5. Marine Parade (Marina Leisure Centre)
6. Nelson Road North / Nelson Road Central
7. A1243 South Quay
8. Yarmouth Way
9. South Beach Parade
10. Southtown Road
11. A1243 Pasteur Road
12. A47 (Gapton Hall roundabout)
13. Beccles Road

3.4.2. All these signalised pedestrian crossing have been modelled as fixed time. The signal times have been calculated from a review of the UTC data logs.

## 3.5 JUNCTION-SPECIFIC PARAMETER MODIFICATION

3.5.1. As described at paragraph 3.2.1, kerbs and lane points have been changed to match the digital mapping tiles. The following link and movement modifiers and parameters in the model have further been changed as part of the model network calibration:

- Gap acceptance parameters have been reduced at the following locations to improve calibration by replicating observed throughput and reflecting more aggressive behaviour in congested conditions:
  - A47 Acl New Road at Vauxhall Roundabout (link 1379:217); lane merge and lane cross reduced by 1 second to 3 seconds;
  - Acl New Road right lane at Vauxhall Roundabout (link 567:1433); lane merge reduced by 1 second to 3 seconds;
  - Acl New Road left lane at Vauxhall Roundabout (link 567:567z); lane merge reduced by 2 seconds to 2 seconds;
  - A47 (south) at Gapton Hall Roundabout (link 294:295); lane merge and lane cross reduced by 4 seconds to 0 seconds;
  - A47 (north) at Harfrey's Roundabout (link 821:811y); lane merge and lane cross reduced by 3 seconds to 1 second;
  - A47 (south) at Harfrey's Roundabout (link 818:808z); lane merge and lane cross reduced by 1 second to 3 seconds;
  - William Adams Way (west) at Harfrey's Roundabout (link 809:809z); lane merge and lane cross reduced by 2 seconds to 2 seconds;
  - Morton Peto Road at the western exit of Harfrey's Industrial Estate (link 1143:1070); lane merge and path cross reduced by 1 second to 3 and 2 seconds respectively;
- The gap acceptance look-through flag has been applied to short links where it is appropriate;

- Link visibilities have been defined at priority conflicts (i.e. priority junctions and priority-controlled approaches of roundabouts), with the distance specified informed by online aerial photography and site observations;
- A clear exit adherence value of 80% has been applied to movements that involve crossing an opposing stream then (potentially) waiting in the central reservation to turn right; for example, exiting Southtown Road and Station Road to travel north;
- Lane point next lanes have been specified between the end (wait) lane points and the start (merge) lane points on the next link to ensure lane discipline; and
- Hazard overrides have been included to ensure that vehicles chose lane properly when approaching to Gapton Hall Roundabout.

## **GIVE WAY BEHAVIOUR AT ROUNDABOUTS**

### **Give way to all**

3.5.2. The *give way to all* link modifier was set on to improve the give way behaviour at two roundabouts, this is due to the high level of circulating traffic using the inner lane, on the following locations:

- On the A47 Acle New Road approach to Vauxhall roundabout with an adherence level of 100%;
- On the A149 North Quay approach to Fuller's Hill roundabout with an adherence level of 100%.

### **Reverse Priority**

3.5.3. Although not in place on-street, traffic signals and a controlling Python-based script were introduced at the Fuller's Hill roundabout on the south arm. These features were implemented as a proxy to reflect the driver behaviour at the box junctions.

## **3.6 LINK-SPECIFIC PARAMETER MODIFICATION**

### **LINK SPEED LIMITS**

3.6.1. Link speed limits have further been gradually reduced to 30mph, below their on-street posted speed limits, on the approaches to the roundabouts. This has been done to improve the lane changing and give way behaviour on approach to these junctions.

### **LINK HEADWAY FACTORS**

3.6.2. Link headway factors have been reduced to between 0.90–0.95 on the south (northbound) approach to Gapton Hall Roundabout to replicate the rolling nature of the queueing under congested conditions.

## **3.7 BUS SERVICES**

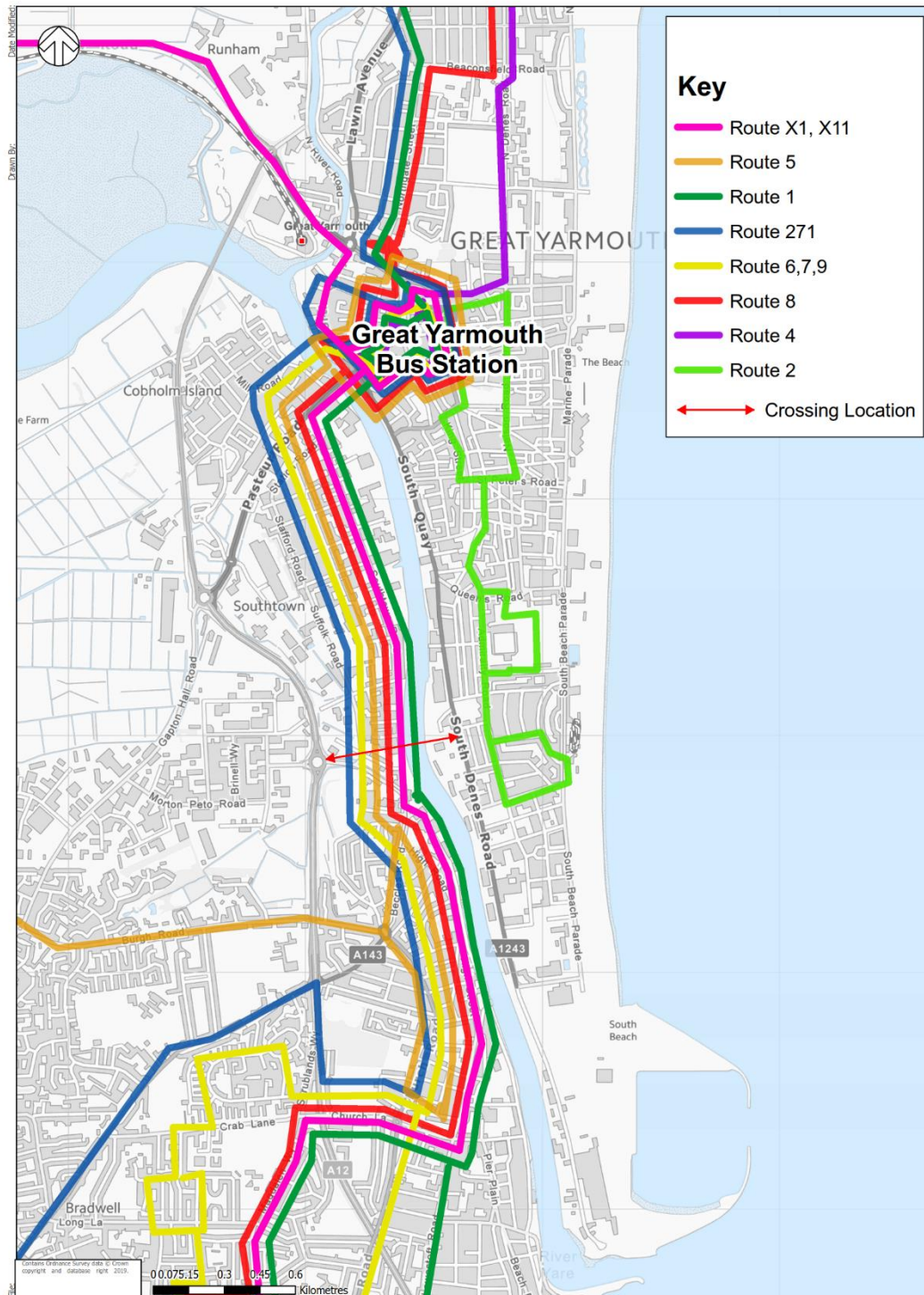
3.7.1. After examination of the available information, 12 public transport services were modelled along with their complete timetables and bus stops in the study area during the winter period. Routes that only operate during the summer periods, such as line 3, have not been modelled. The modelled PT services are shown in Table 3-4 below:



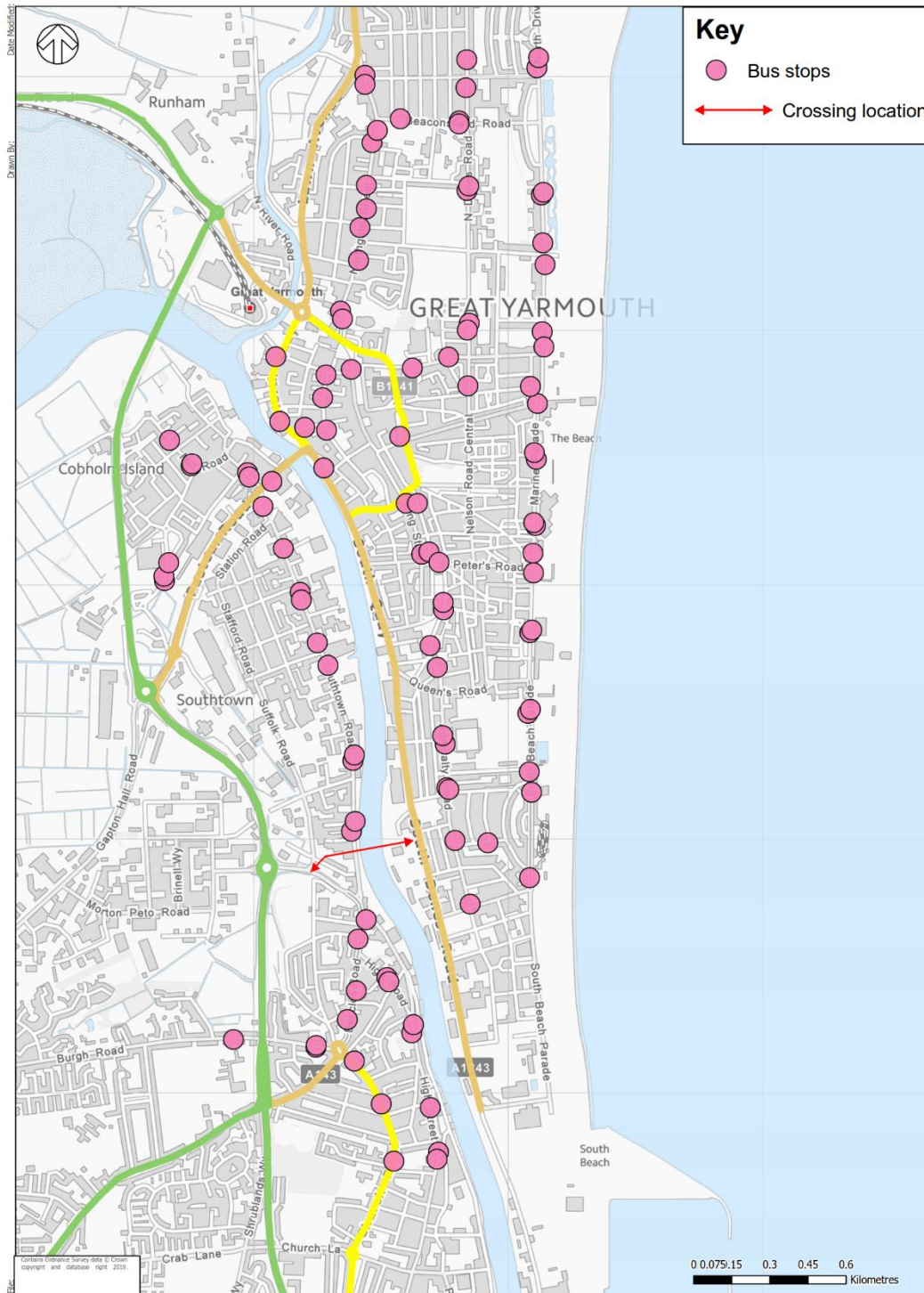
**Table 3-4 - Modelled Public Transport Services**

<b>Bus Line</b>	<b>Vehicle Type</b>	<b>Schedules</b>	<b>Stop Time</b>
1	Double Decker Bus	NB/SB	40s
1A	Double Decker Bus	NB/SB	40s
2	Single Decker Bus	Circular	40s
4	Double Decker Bus	NB/SB	40s
5	Single Decker Bus	NB/SB	40s
6	Double Decker Bus	NB/SB	40s
7	Double Decker Bus	NB/SB	40s
8	Double Decker Bus	NB/SB	40s
9	Double Decker Bus	NB/SB	40s
X1	Double Decker Bus	NB/SB	40s
X11	Double Decker Bus	NB/SB	40s

3.7.2. Some public transport services follow the same route inside the modelled area, and for this reason some public transport routes have been modelled together in the model. The modelled PT routes as well as the modelled bus stops are shown in Plate 3-3 and Plate 3-4.



**Plate 3-3 - Modelled Public Transport Routes**



**Plate 3-4 - Modelled Public Transport Stops**

## 4 DEMAND MATRIX AND PROFILE DEVELOPMENT

### 4.1 DEMAND MATRIX DIMENSIONS

- 4.1.1. The zone system has been updated to have a better correlation with the strategic GYTM. Eighty zones have been placed around the model network, describing routes into and out of the network and (internal) areas of homogenous land use and common trip-making characteristics, listed in Table 4-1.
- 4.1.2. From the eighty zones of the Great Yarmouth Town Microsimulation Model:
- 14 are external zones that form part of the cordon. These zones represent the routes into and out of the network. These zones are numbered as 221xx;
  - 66 are internal and numbered after the GYTM zones:
    - 8 of them are development zones and therefore are not used in the base model. These zones are numbered as 7xx;
    - 55 of them are internal existing zones with a direct correlation to the GYTM. The numbering of these zones is the same as in the GYTM; and
    - Zones 291, 292 and 293 are part of the zone 29 in the GYTM.

**Table 4-1 - Model zones**

Number	Location	Number	Location
1	Market Place	701	North Quay river front
2	The Conge	702	Breydon Road river front
3	Great Yarmouth Minster	703	Southtown Road river front
4	St Nicholas Road	704	Jones Way
5	Regent Road West	708	Burgh Road new development
7	Big residential area north of Fullers Hill	710	North of Northgate Hospital
8	Northgate Hospital and residential	711	The Conge new development
9	North Drive	714	Beach Parade new development
10	Great Yarmouth Football Stadium	1401	Victoria Road West
11	Regent Road East	1402	Malakoff Road
12	St George's Road North	1501	Victoria Road East
13	St George's Road South	1502	South Beach Parade
16	St Nicholas Car Park	1701	Queen's Road Residential
19	Residential area north Hospital	1702	Southgate Industrial

20	Great Yarmouth Charter Academy	1801	Fish Warf
25	Tar Works Road	1802	Swanston's Road industrial
27	Rail Station	1803	Peggoty Road Residential
28	Mill Road residential area	3301	Southtown Road south residential area
30	Great Yarmouth College	3302	Suffolk Road residential
31	Thamesfield Way	3701	South Denes Road industrial
32	API capacitors	3702	Suffling Road Industrial
34	Harfrey's Industrial state	3703	Monument Road industrial
35	Residential area Burgh Road	3704	Hartmann Road industrial
41	Residential area Meadow Park	3801	Port North
42	Residential area High Street	3802	Outer Harbour
58	Castle Green	3803	Port South
62	Gapton Hall Retail Park	22101	A47 south
64	Tesco Extra	22102	Shrublands Way
75	Harfreys Industrial state southwest	22103	North Drive External
84	Sainsbury's	22104	North Denes Road External
85	Matalan	22105	Hamilton Road Residential
86	Howard Street Car Park	22106	A149
87	Runham Road	22107	A47 northwest
88	School Road residential area	22108	Gapton Hall Road
291	Lidl and B&M	22109	Burgh Road
292	Southtown Road Residential area	22110	A143
293	Southtown Road Industrial area	22111	Riverside Road
601	Great Yarmouth Library	22112	Westbrook Avenue Residential
602	Middlegate residential area	22113	B1370
603	South Quay industrial area	22114	High Street

- 4.1.3. Three three-hour time periods have been defined, 07:00–10:00, 12:00–15:00 and 15:30–18:30, representing the peak AM and PM and inter-peak periods for an average Monday–Friday day.
- 4.1.4. Three separate (three-hour) demand matrices have been developed for different vehicle types, taking cognisance of potential differences in distribution by these different vehicle types:
  - 1. Cars
  - 2. LGVs
  - 3. HGVs (OGV1, OGV2 and coaches)
- 4.1.5. The proportion of each vehicle type among OGV1, OGV2 and coaches in Matrix 3 has been based on the MCC data for each of the AM, IP and PM periods.

## **4.2 DEMAND MATRIX DEVELOPMENT INTRODUCTION**

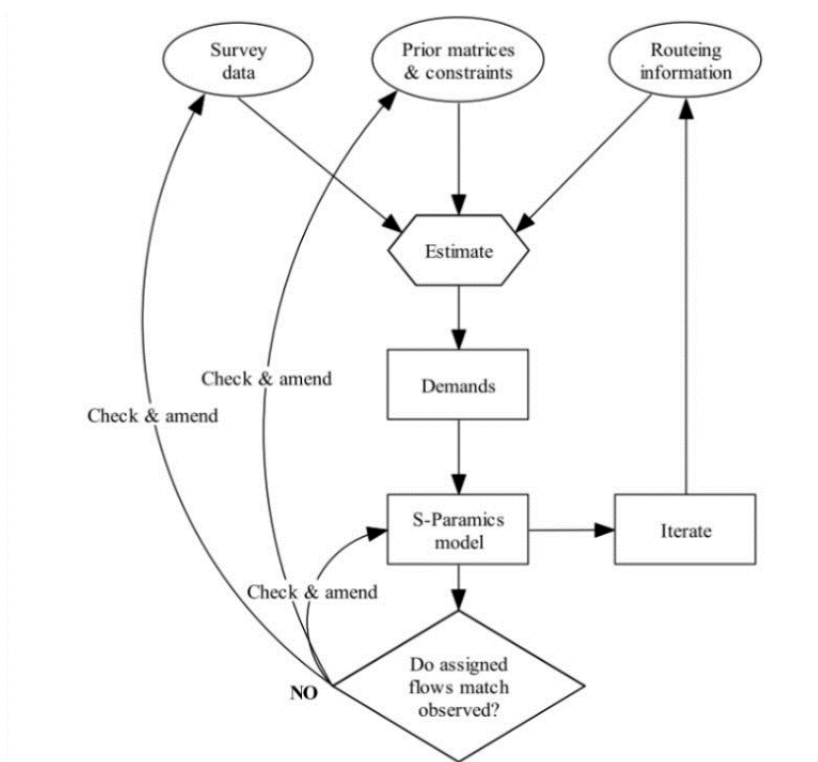
### **DATA AVAILABLE**

- 4.2.1. Data used to develop the demand matrices has included:
  - The Great Yarmouth Traffic Model (GYTM) strategic SATURN model
  - Traffic survey data from neutral months in 2016 and 2018

### **OVERVIEW OF THE PROCESS**

- 4.2.2. The demand matrix development process has taken all the available information and generated a prior matrix for each vehicle type and period. These prior matrices were then refined through matrix estimation.
- 4.2.3. For small models and where the number of trips is small, or where large amounts of data—including routeing, or trip distribution data—has been collected, a demand matrix can be directly constructed from the observed data. For big models like this one, the amount of data required to know all the zone-to-zone movements is unfeasible, and therefore some estimation of flows was required in most cases in order to create a suitable matrix.
- 4.2.4. The matrix estimation process takes the observed traffic counts, routeing information from the model, and a prior matrix, and makes changes to the prior matrix to better match target observed traffic counts when the matrix is assigned. The more complete the prior matrix and comprehensive the observed traffic data, the easier it is to generate an acceptable final matrix.

4.2.5. Plate 4-1 reproduces Figure 4.1 of the S-Paramics guidance note *An Overview of Matrix Estimation* to describe this iterative matrix process.



**Plate 4-1 - The Iterative Matrix Estimation Process**

## 4.3 DEVELOPMENT OF THE PRIOR MATRIX

### EXPANDING THE GYTM CORDON MATRICES

- 4.3.1. The updated 2018 base model from the strategic SATURN model, known as the *GYTM*, has been used to inform the distribution through the model area. Cordon matrices matching the model area were extracted for the one AM, IP and PM hour for the five user classes (UCs) present in that model.
- 4.3.2. The Paramics Discovery model was built to create a one-to-one mapping between the resulting SATURN cordon model cut points and the zones in the Paramics Discovery model, except zone 29 that was split into zones 291, 292 and 293.
- 4.3.3. The synthetic matrices were combined into AM, IP and PM one-hour matrices describing Cars (UC1..3), LGVs (UC4) and HGVs (UC5). Traffic data were processed to calculate the proportion of vehicles of the shoulder hours for each vehicle type and period. These proportions were used to convert the one-hour matrices into three-hour matrices.
- 4.3.4. Manual adjustments were made to the matrices based on observed movements, in order to produce more accurate prior matrices. These were run on the network to check and adjust network coding. An initial test of validation with the prior matrices indicated that the adjustment of the model was considered a good result for prior matrices, as it can be seen on Table 4-2. Nonetheless, in order to improve the accuracy of the model, it was considered necessary to use matrix estimation.

**Table 4-2 - Prior Matrices Validation**

<b>Matrix</b>	<b>Vehicle type</b>	<b>Count Percentage within 5 GEH</b>	<b>Count Percentage within 10 GEH</b>
AM Prior	Cars	79.0%	97.9%
	LGVs	98.9%	100.0%
	HGVs	95.4%	100.0%
IP Prior	Cars	77.2%	95.0%
	LGVs	97.5%	100.0%
	HGVs	96.1%	100.0%
PM Prior	Cars	77.9%	95.7%
	LGVs	98.2%	100.0%
	HGVs	98.6%	100.0%

## 4.4 PREPARING THE OTHER INPUTS FOR MATRIX ESTIMATION

### SURVEY DATA

- 4.4.1. Survey targets were calculated using the traffic count data reorganised to match the vehicle types in the demand matrices and modelled periods. Because of issues with consistency between data of different types collected at different times, related to the survey period and classification, where an ATC site is duplicated by an MCC survey location, the ATC data were not utilised as a target.
- 4.4.2. Turns that occur via more than one node were split (and, as necessary, combined with other movements) into their constituent parts.

### ROUTEING FILE

- 4.4.1. A Pija routeing file was utilised, which records the origin-destination trips using applied to each turn. This was collected and updated in successive iterations as described in Plate 4-1.

### CONSTRAINTS

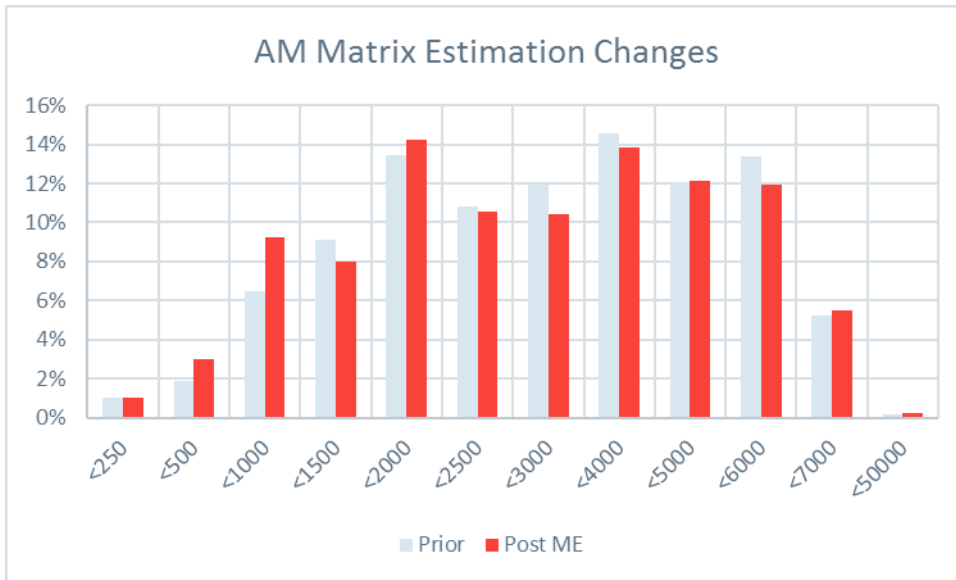
- 4.4.2. Constraints to the matrix estimation process were used for row and column totals, based on the row and column totals from the survey data when possible, with the range set according to the type of zone.

## 4.5 MATRIX ESTIMATION PROCESS

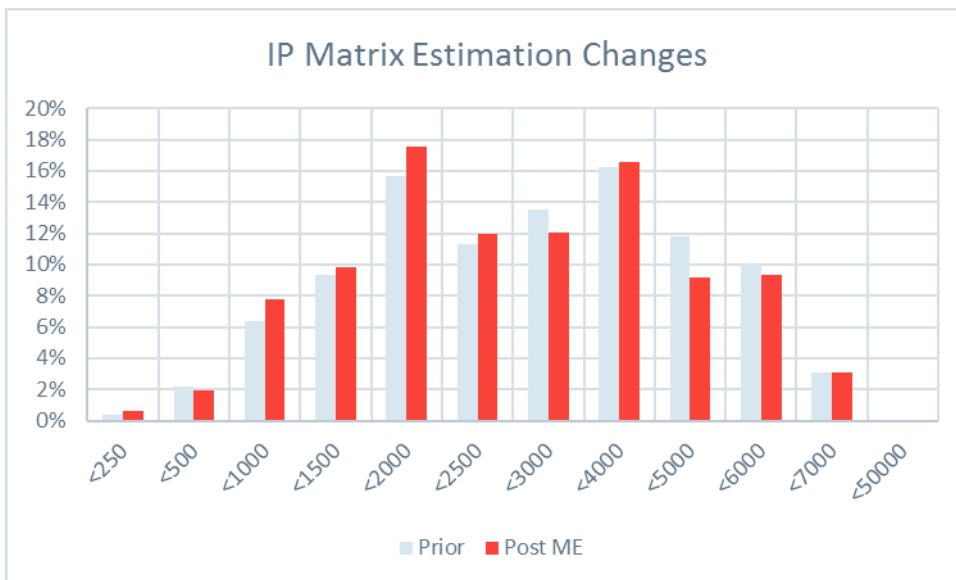
- 4.5.1. The process of matrix estimation has been checked through the inspection of:
- the generated reports from the estimation process; and
  - differences between the prior- and post-estimation matrices.
- 4.5.2. Further, manual adjustments aimed at improving the comparisons were made to the prior matrices between successive iterations, informed by the generated report, outturn results and network conditions following assignment of the post-estimation matrices.



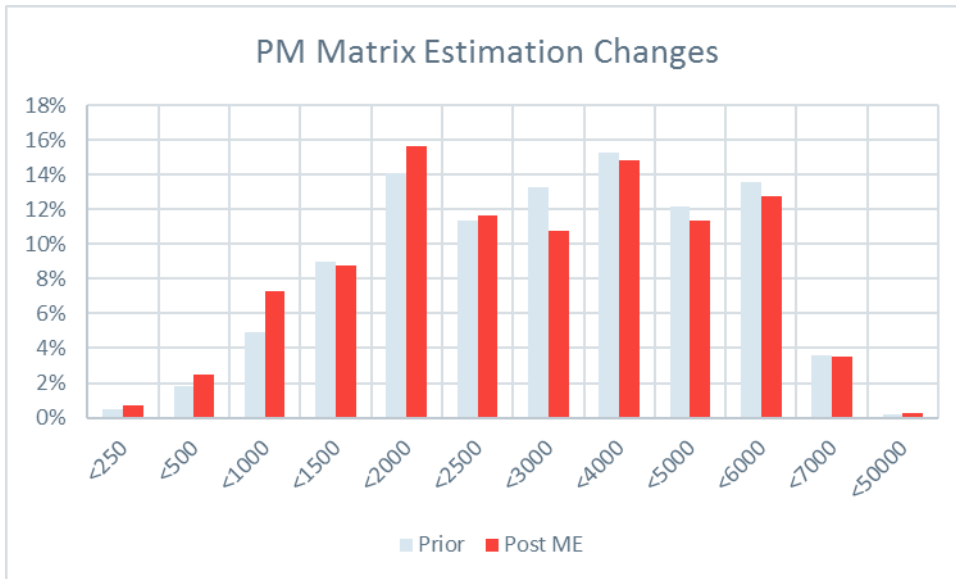
- 4.5.3. Any consideration of differences between the prior- and post-estimation matrices took into account that there is no directly observed route information.
- 4.5.4. After carrying out the matrix estimation, an analysis of the results was conducted comparing the traffic flows within the network and checking differences in trip lengths. In addition, the trip length distributions were calculated in order to better understand the variation between the prior and the estimated matrices of the short and long trips. **Plate 4-2, Plate 4-3** and **Plate 4-4** show the difference between the trip length distributions.



**Plate 4-2 - Matrix Estimation - trip length distribution changes (AM period)**



**Plate 4-3 - Matrix Estimation - trip length distribution changes (IP period)**



**Plate 4-4 - Matrix Estimation - trip length distribution changes (PM period)**

4.5.5. The graphs show some changes of trip lengths between the prior matrix and the final matrix, with typically an increase in the number of trips of approximately 1 and 2 km in length for the final matrices. This is typical when looking at the changes because a Matrix Estimation (ME) process, tends to add shorter trips in order to more easily satisfy the count criteria, and is of a magnitude that is not a matter of concern.

4.5.6. The net changes made to the total three-hour matrices by ME are summarised in Table 4-3 below:

**Table 4-3 - Summary of matrix estimation changes**

Matrix	Vehicle type	Prior Matrix Total	Estimated Matrix Total	Difference	% Difference
AM	Cars	24,356	25,918	1,562	6%
	LGVs	4,438	4,316	-122	-3%
	HGV	1,193	1,145	-47	-4%
IP	Cars	27,385	28,609	1,224	4%
	LGVs	4,027	4,157	129	3%
	HGV	1,154	1,163	9	1%
PM	Cars	29,274	30,530	1,256	4%
	LGVs	3,659	3,767	108	3%
	HGV	858	844	-14	-2%

## 4.6 MATRIX ASSIGNMENT

### PROFILE DEVELOPMENT

- 4.6.1. The vehicle release profiles for the model have been generated from fifteen-minute interval traffic counts. Twenty-three profiles were developed for light vehicles, which are shared by Matrices 1 and 2:
- 15 for the zones with a direct traffic count;
  - 7 for the main areas of the town with a specific land use; and
  - 1 generic light vehicle profiles based on the average of all sites' data, which has been applied to describe the release patten from other, minor zones.
- 4.6.2. A similar generic profile has been used for the release of all heavy vehicles (Matrix 3) onto the network from most zones, except the main external ones (A roads), Harfrey's Industrial State (zones 34 and 75), the port (zones 3701-3803) and the main commercial areas (Sainsbury's, Tesco, Lidl and Aldi).
- 4.6.3. Further manual adjustments, including smoothing-type changes, were made to these data-derived profiles as a part of the calibration process.

### RELEASE METHOD

- 4.6.4. The precise demand release algorithm has been used.

## 4.7 RUNNING THE MODEL

- 4.7.1. The model was run for the time periods identified from the survey data which were 07:00–10:00 for the AM period, 12:00–15:00 for the inter-peak period and 15:30–18:30 for the PM period.
- 4.7.2. Paramics Discovery is a microsimulation package in which individual runs of any given model will generate different results. Multiple runs of the model are required, with the end result being the average of some measure across these runs.
- 4.7.3. The average of five randomly-seeded model runs generates the modelled data used in the calibration processes. This ensures that the volume of data and analyses required is manageable whilst ensuring that the data reflects variation in the model runs.
- 4.7.4. The model should only be run using this number of runs. The spread of results was checked to ensure there are no outliers.

## 5 MODEL CALIBRATION

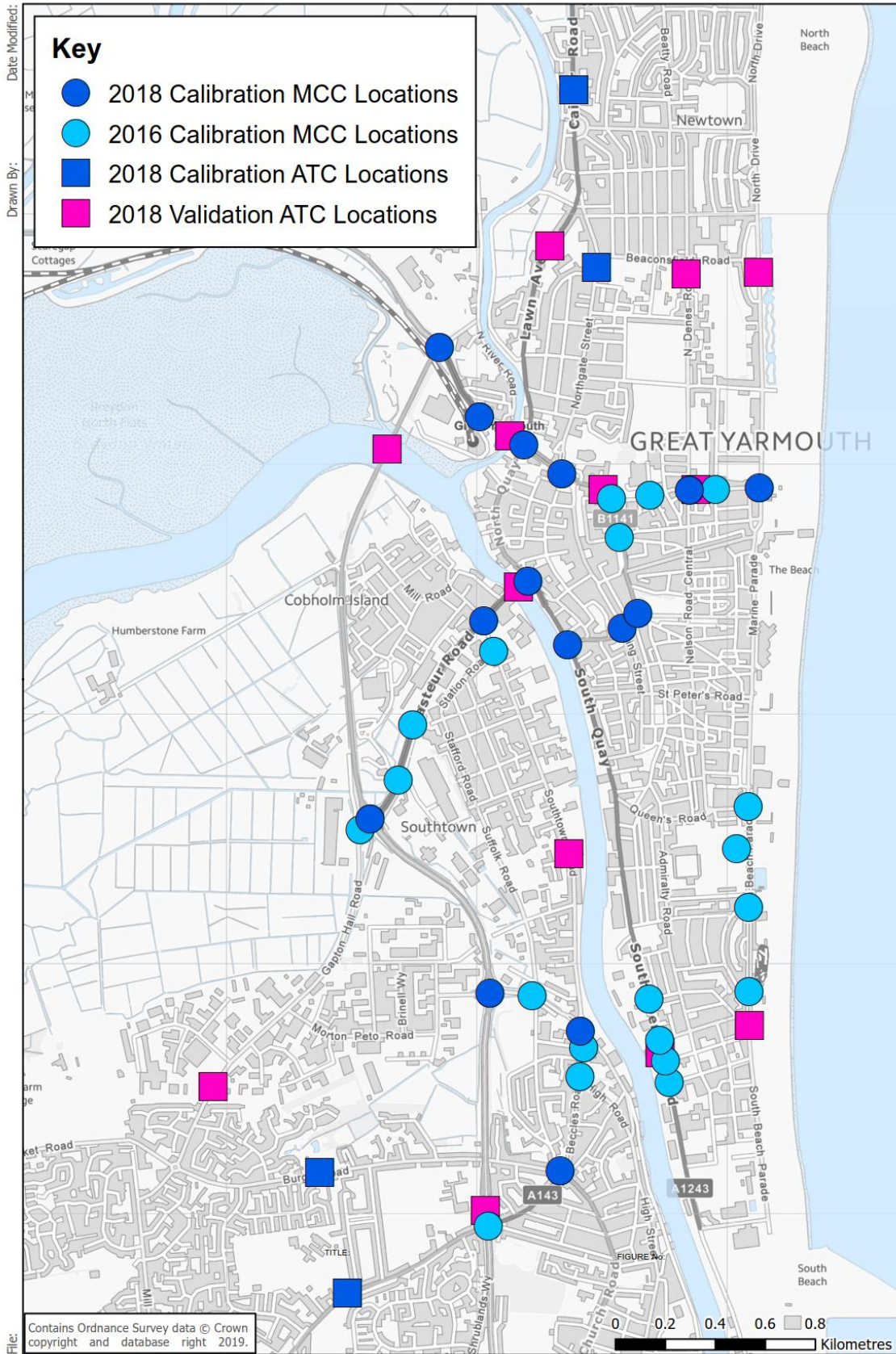
---

### 5.1 CALIBRATION STEPS

- 5.1.1. Calibration of the model (network and demand matrices) has been carried out to test whether the model correctly represents the observed traffic data, and where problems were found the model has been adjusted.
- 5.1.2. The calibration process includes all work undertaken on either the network or the demand matrices to achieve a satisfactory representation of traffic flows and operational conditions in the base model, in so doing matching on-the-ground, observed conditions. Even though these processes are regarded as separate, and have been discussed separately in preceding sections (Sections 3 and 4) both were carried out simultaneously as part of the model calibration and fine-tuning.

#### DATA UTILISED

- 5.1.3. Calibration of the model has been carried out using:
- Turning count data and selected ATC counts, using a Monday–Friday average where relevant to sites with multiple days' data:
    - for the whole, three-hour modelled period;
    - for the data-derived AM, IP and PM network peak hours, 08:00–09:00, 13:00–14:00 and 16:30–17:30.
  - Maximum queue length data across the periods; and
  - Journey time data.
- 5.1.4. Plate 5-1 shows the locations of the two sets of traffic counts used for calibration and for validation.



**Plate 5-1 - Traffic Count Locations used for Calibration and Validation**

## 5.2 TRAFFIC FLOW AND JOURNEY TIME CALIBRATION GUIDELINES

5.2.1. Model calibration has been carried out in accordance with the acceptability guidelines specified in *WebTAG Unit M3.1 on Highway Assignment Modelling*<sup>3</sup>. The guidelines are summarised in Table 5-1.

**Table 5-1 - The WebTAG Calibration Acceptability Guidelines**

Criteria and Measures	Acceptability Guideline
Modelled counts compared with observed counts	
Individual flows within 100 veh./h for flows < 700 veh./h	> 85% of cases
Individual flows within 15% for flows 700 to 2,700 veh./h	
Individual flows within 400 veh./h for flows > 2,700 veh./h	
GEH < 5 for individual flows	> 85% of cases
Modelled journey times compare with observed times	
Times within 15% (or 1 minute, if higher)	> 85% of routes

Source: *WebTAG Unit M3.1, Highway Assignment Modelling*, January 2014, Table 2 (p.19) and Table 3 (p.20)

## 5.3 TURN AND LINK COUNT CALIBRATION

5.3.1. Table 5-2 presents, for each peak hour and three-hour period, a summary of the individual turn and link count calibration results against the criterion using the GEH statistic. Table 5-3 presents a summary of the peak hour individual turn and link count calibration results against criteria based on hourly flow.

**Table 5-2 - Calibration across all turn and link counts**

GEH	< 5		< 6		< 10	
	No.	Percentage	No.	Percentage	No.	Percentage
AM peak hour (08:00–09:00)	262	93.2%	271	96.4%	279	99.3%

<sup>3</sup> Available from:

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/427124/webtag-tag-unit-m3-1-highway-assignment-modelling.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/427124/webtag-tag-unit-m3-1-highway-assignment-modelling.pdf) [accessed 2018-09-21].

These match the guidelines in the *DMRB* (Vol. 12 Section 2 Part 1, Table 4.2 p.4/29)

AM period (07:00–10:00)	269	95.7%	274	97.5%	279	99.3%
IP peak hour (13:00–14:00)	257	91.5%	266	94.7%	278	98.9%
IP period (12:00–15:00)	263	93.6%	268	95.4%	278	98.9%
PM peak hour (16:30–17:30)	247	87.9%	258	91.8%	278	98.9%
PM period (15:30–18:30)	258	91.8%	265	94.3%	277	98.6%

**Table 5-3 - Peak-hour flows compared with observed flows**

Criterion	WebTAG satisfied ?	AM peak hour (08:00–09:00)		Interpeak hour (13:00–14:00)		PM peak hour (16:30–17:30)	
		No.	Percentage	No.	Percentage	No.	Percentage
Individual flows within 100 veh./h for flows < 700 veh./h	✓	265	98.50%	265	96.70%	259	97.00%
	✗	4	1.50%	9	3.30%	8	3.00%
Individual flows within 15% for flows 700 to 2,700 veh./h	✓	12	100.00%	6	85.70%	10	71.40%
	✗	0	0.00%	1	14.30%	4	28.60%
Total counts satisfying WebTAG guidelines		277	98.56%	271	96.43%	269	95.72%

5.3.2. The *WebTAG* guidelines are satisfied against both measures of calibration in nearly all cases.

5.3.3. Tables presenting comparisons between the period, peak hour and hourly observed and modelled counts for every surveyed movement are presented in Annex A.

## 5.4 QUEUE LENGTH CALIBRATION

5.4.1. When observing a junction in a real-world situation, the queue will fluctuate both through the period being observed and from day-to-day. The modelled queues are therefore never expected or required to exactly replicate the observed queues. Recording observed queues is also usually based in some way on subjective judgements by a human observer, which vary.

5.4.2. Undertaking a queue length comparison is nevertheless important in ensuring that the overall observed conditions are being represented satisfactorily. Although *WebTAG* provides no guidelines for comparing observed and modelled queue lengths, industry-standard practice over recent years is to demonstrate that the modelled queue is of the same magnitude, or maximum length, as the observed queue and follows the same profile across the period.

5.4.3. Table 5-4 presents a qualitative comparison between multiple days' observed data and modelled queues in both periods. The levels range from '✓✓✓' for a good match between observed and

surveyed to ‘x’ for no correlation or resemblance at all. An asterisk ‘\*’ where the resemblance is relatively poor indicates that this is related to the limitations of the data collected.

**Table 5-4 - Qualitative queue comparison**

Approach	AM period (07:00–10:00)		PM period (15:30–18:30)	
	Max. length	Profile	Max. length	Profile
Fuller’s Hill Roundabout				
A149 North Quay	✓✓	✓	✓✓	✓✓✓
Fuller’s Hill	✓✓✓	✓✓	✓✓✓	✓✓
B1141 North Quay	✓✓✓	✓✓	✓✓✓	✓✓✓
A149 Acle New Road	✓✓✓	✓✓✓	✓	✓✓
Vauxhall Roundabout				
A47 Acle New Road	✓✓	✓✓	✓✓	✓✓✓
Runham Road	✓✓✓	✓✓✓	✓✓✓	✓✓✓
A149 Acle New Road	✓✓✓	✓✓	✓✓	✓✓✓
A47 (SW)	✓✓	✓✓	✓✓	✓✓✓
Gapton Hall Roundabout				
A47 (N)	✓✓✓	✓✓	✓✓✓	✓✓
Pasteur Road	✓✓✓	✓✓✓	✓✓✓	✓✓
A47 (S)	✓✓	✓✓✓	✓✓	*
Gapton Hall Road	✓	✓	✓	✓
Harfrey’s Roundabout				
A47 (N)	✓✓	✓✓✓	✓✓	✓✓
William Adams Way (E)	✓✓	✓✓✓	✓✓	✓✓✓
A47 (S)	✓✓	✓✓	✓✓	✓
William Adams Way (W)	✓✓✓	✓✓✓	✓✓	✓✓
Hall Plain				
B1141 North Quay	✓✓✓	✓✓	✓✓✓	✓✓
A1243 South Quay	✓✓	*	✓✓	✓✓✓



A1243 Bridge Road	✓✓✓	✓✓✓	✓✓✓	✓✓
Station Access				
A149 Acle New Road (NW)	✓✓✓	✓✓✓	✓✓✓	✓✓✓
A149 Acle New Road (SE)	✓✓	✓✓	✓✓✓	✓✓
Station Access	✓✓✓	✓✓✓	✓✓✓	✓✓
Southtown Road / Beccles Road / William Adams Way				
Southtown Road	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Beccles Road	✓✓✓	✓✓	✓✓✓	✓✓
William Adams Way	✓✓✓	✓✓	✓✓✓	✓✓
Mill Road / Bridge Road / Southtown Road / Pasteur Road				
Mill Road	✓✓	✓✓	✓✓	✓✓✓
Bridge Road	✓✓✓	✓✓	✓✓	✓✓
Southtown Road	✓✓✓	✓✓	✓✓	✓✓✓
Pasteur Road	✓✓	✓✓	✓✓✓	✓✓

N.B. An asterisk indicates the observed data do not completely describe the on-the-ground conditions

- 5.4.4. The table above shows how the model replicates accurately congestion in Great Yarmouth. Charts showing the comparisons are included in Annex B.

## 5.5 JOURNEY TIME CALIBRATION

- 5.5.1. The guidelines in *WebTAG* have additionally been used to indicate the degree of calibration of the model in respect of travel time, which require that modelled journey times are *within 15% [of observed times] (or 1 minute if higher than 15%)*.
- 5.5.2. Table 5-5 summarises the results of this assessment for the AM, IP and PM network peak hours. This table shows a good correlation between observed and modelled journey times.

**Table 5-5 - Journey Time Routes Summary (Pass Rate)**

Criteria	15%	60s	WebTAG
AM peak hour	39.1%	91.3%	91.3%
IP peak hour	34.8%	95.7%	95.7%
PM peak hour	37.0%	91.3%	91.3%

- 5.5.3. The observed and modelled journey times for all routes are presented in Annex C along with an indication whether the criterion is met.

## 6 SUMMARY

---

- 6.1.1. The Great Yarmouth Town Microsimulation Model, and a SATURN highway model and CUBE demand model of Great Yarmouth and the surrounding area, were developed in 2017 with a base year of 2016. These models have been updated to a 2018 base year to inform the Transport Assessment (TA) and the Economic Appraisal Report (EAR), which in turn feeds into the Environmental Statement (ES) and Development Consent Order (DCO) submission.
- 6.1.2. The Great Yarmouth Town Microsimulation Model which this LMVR reports on used up-to-date information about the features and layout of the network, including traffic signals information provided by NCC. Two programmes of traffic surveys were undertaken in 2016 and 2018 to inform the understanding of current travel patterns and network conditions including junction operation across the study area.
- 6.1.3. The trip matrices were built using information from the strategic SATURN model as well as the 2018 traffic count data. A matrix estimation process was used to refine the matrices constructed from these data sources. The modelled network and final trip matrices have been calibrated against observed traffic flows, queue length and journey time data.
- 6.1.4. The calibration process shows a high correlation between the observed turning count data and the modelled turning count data, across the whole modelled period and in the peak hours and periods. The modelled queue lengths are of the same magnitude and profile across both AM and PM periods at most of the surveyed approaches. The checking of journey time routes shows an acceptable match between the observed journey time data and the modelled journey times during the peak hours in the AM, IP and PM periods.
- 6.1.5. The calibration of the model provides confidence that conditions across the modelled network are representative of present day conditions across the observed network. The model is therefore deemed suitable for use in future option testing.



County Hall  
Martineau Lane  
Norwich  
NR1 2DH

[wsp.com](http://wsp.com)

PUBLIC



# Annex A

## TURN AND LINK COUNT CALIBRATION





Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	29	35	6	19.3%	1.0	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	210	221	11	5.1%	0.7	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	839	857	18	2.1%	0.6	Pass Mid
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	13	12	-1	-9.2%	0.3	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	9	12	3	33.3%	0.9	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	57	62	5	8.1%	0.6	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	169	240	71	41.8%	4.9	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	220	202	-18	-8.1%	1.2	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	162	149	-13	-8.0%	1.0	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	2	0	-2	-90.0%	1.7	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	152	173	21	13.9%	1.7	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	525	426	-99	-18.9%	4.5	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	321	359	38	12.0%	2.1	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	179	201	22	12.4%	1.6	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	8	5	-3	-37.5%	1.2	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	24	13	-11	-46.7%	2.6	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	339	289	-50	-14.6%	2.8	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	555	506	-49	-8.8%	2.1	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	4	9	5	115.0%	1.8	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	21	15	-6	-28.6%	1.4	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	24	18	-6	-25.8%	1.4	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	253	269	16	6.2%	1.0	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	35	35	0	1.1%	0.1	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	60	63	3	4.7%	0.4	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	816	861	45	5.5%	1.6	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	580	643	63	10.9%	2.6	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	68	53	-15	-22.4%	2.0	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	660	721	61	9.3%	2.3	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	152	147	-5	-3.0%	0.4	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	905	892	-13	-1.5%	0.4	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	357	345	-12	-3.4%	0.7	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	95	65	-30	-31.2%	3.3	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	399	497	98	24.5%	4.6	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	234	153	-81	-34.4%	5.8	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	897	932	35	3.9%	1.2	Pass Mid
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	676	651	-25	-3.6%	1.0	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	60	82	22	37.3%	2.7	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	315	422	107	34.0%	5.6	Fail Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	221	277	56	25.5%	3.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	22	42	20	91.8%	3.6	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	277	298	21	7.6%	1.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	954	1030	76	8.0%	2.4	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	89	97	8	8.5%	0.8	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	176	206	30	16.9%	2.2	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	19	8	-11	-56.8%	2.9	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	64	51	-13	-20.9%	1.8	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	111	115	4	3.2%	0.3	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	1329	1403	74	5.6%	2.0	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	361	301	-60	-16.5%	3.3	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	244	316	72	29.7%	4.3	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	129	112	-17	-12.9%	1.5	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	160	106	-54	-33.9%	4.7	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	103	96	-7	-6.6%	0.7	Pass Low
65	5	Hall Quay	A	B	37z:44:52	299	265	-34	-11.3%	2.0	Pass Low
66	5	Hall Quay	B	A	52:44:37z	195	217	22	11.4%	1.5	Pass Low
67	5	Hall Quay	B	C	52:97z:51	805	739	-66	-8.2%	2.4	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	593	555	-38	-6.4%	1.6	Pass Low
69	5	Hall Quay	C	B	51:44:52	684	650	-34	-4.9%	1.3	Pass Low
70	6	Station Access	A	B	114:4:92z	1026	999	-27	-2.6%	0.8	Pass Mid
71	6	Station Access	A	C	114:4:91	66	92	26	38.8%	2.9	Pass Low
72	6	Station Access	B	A	92z:4:114	1037	1120	83	8.0%	2.5	Pass Mid
73	6	Station Access	B	C	92z:4:91	123	144	21	17.4%	1.9	Pass Low
74	6	Station Access	C	A	91:4:114	120	112	-8	-6.3%	0.7	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	13	7	-6	-46.2%	1.9	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	245	255	10	4.0%	0.6	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	103	92	-11	-10.9%	1.1	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	36	41	5	13.9%	0.8	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	30	10	-20	-66.7%	4.5	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	9	36	27	295.6%	5.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	16	23	7	45.0%	1.6	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	14	13	-1	-4.3%	0.2	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	6	10	4	60.0%	1.3	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	1	0	-1	-60.0%	0.7	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	319	240	-79	-24.8%	4.7	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	50	43	-7	-14.8%	1.1	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	73	81	8	10.7%	0.9	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	36	25	-11	-31.7%	2.1	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	122	136	14	11.5%	1.2	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	91	38	-53	-58.0%	6.6	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-60.0%	0.7	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	27	47	20	73.3%	3.3	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	43	21	-22	-50.7%	3.8	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	93	116	23	25.2%	2.3	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	143	138	-5	-3.2%	0.4	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	25	26	1	2.4%	0.1	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	18	7	-11	-58.9%	3.0	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	11	18	7	60.0%	1.7	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	22	6	-16	-72.7%	4.3	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	30	29	-1	-2.7%	0.1	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	25	7	-18	-71.2%	4.4	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	313	283	-30	-9.6%	1.7	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	98	100	2	1.8%	0.2	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	418	495	77	18.5%	3.6	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	270	278	8	2.9%	0.5	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	85	85	0	0.2%	0.0	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	205	283	78	38.0%	5.0	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	66	64	-2	-2.4%	0.2	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	30	8	-22	-72.0%	4.9	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	44	25	-19	-43.2%	3.2	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	51	49	-2	-3.1%	0.2	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	273	200	-73	-26.9%	4.8	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	479	487	8	1.6%	0.4	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	46	51	5	10.9%	0.7	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	506	495	-11	-2.1%	0.5	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	93	91	-2	-1.9%	0.2	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	32	47	15	45.6%	2.3	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	693	636	-57	-8.3%	2.2	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	47	82	35	75.3%	4.4	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	307	346	39	12.8%	2.2	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	197	216	19	9.5%	1.3	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	323	340	17	5.3%	0.9	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	6	7	1	16.7%	0.4	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	177	146	-31	-17.6%	2.5	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	108	120	12	11.1%	1.1	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	12	8	-4	-33.3%	1.3	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	11	46	35	316.4%	6.5	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	114	146	32	27.7%	2.8	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	97	67	-30	-30.9%	3.3	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	4	10	6	145.0%	2.2	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	92	81	-11	-12.4%	1.2	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	30	33	3	8.7%	0.5	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	77	82	5	6.5%	0.6	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	46	54	8	17.8%	1.2	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.6	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	372	324	-48	-12.8%	2.6	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	170	139	-31	-18.1%	2.5	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	58	36	-22	-37.9%	3.2	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	712	728	16	2.3%	0.6	Pass Mid
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	542	561	19	3.5%	0.8	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	52	68	16	31.5%	2.1	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	385	407	22	5.8%	1.1	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	18	5	-13	-71.1%	3.8	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	17	13	-4	-25.9%	1.1	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	64	11	-53	-82.2%	8.6	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	38	11	-27	-70.5%	5.4	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	54	87	33	60.4%	3.9	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	370	351	-19	-5.2%	1.0	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	240	248	8	3.2%	0.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	210	204	-6	-3.0%	0.4	Pass Low
174	4	Northgate Street	N	S	543:1365	542	498	-44	-8.1%	1.9	Pass Low
181	8	Burgh Rd	W	E	1057:1051	284	279	-5	-1.6%	0.3	Pass Low
182	8	Burgh Rd	E	W	1051:1057	198	196	-2	-1.0%	0.1	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	590	565	-25	-4.2%	1.0	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	369	346	-23	-6.3%	1.2	Pass Low
193	14	Caister Road	S	N	369:536	562	592	30	5.4%	1.3	Pass Low
194	14	Caister Road	N	S	536:369	1057	1065	8	0.8%	0.3	Pass Mid
203	16	Gapton Hall Retail Park	A	C	306:298:560z	499	433	-66	-13.2%	3.1	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	120	148	28	23.0%	2.4	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	504	663	159	31.5%	6.6	Fail Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	41	76	35	84.4%	4.5	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	61	64	3	5.6%	0.4	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	33	28	-5	-14.5%	0.9	Pass Low
209	21	Matalan Access	exit		85:82	10	11	1	12.0%	0.4	Pass Low
210	21	Matalan Access		access	82:85	7	22	15	220.0%	4.0	Pass Low
211	22	Station Road	exit		78:79	212	237	25	11.8%	1.7	Pass Low
212	22	Station Road		access	79:78	93	109	16	16.8%	1.6	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	42	36	-6	-14.8%	1.0	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	19	12	-7	-34.7%	1.7	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	206	174	-32	-15.6%	2.3	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	41	48	7	18.0%	1.1	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	52	48	-4	-7.7%	0.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	397	476	79	19.8%	3.8	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	10	6	-4	-44.0%	1.6	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	39	29	-10	-25.6%	1.7	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	68	69	1	1.8%	0.1	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	216	203	-13	-5.9%	0.9	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	646	714	68	10.6%	2.6	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	138	158	20	14.3%	1.6	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	174	200	26	14.9%	1.9	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	355	449	94	26.4%	4.7	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	42	32	-10	-23.3%	1.6	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	205	266	61	29.7%	4.0	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	63	49	-14	-22.9%	1.9	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	23	5	-18	-76.5%	4.7	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	10	3	-7	-68.0%	2.6	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	13	1	-12	-92.3%	4.5	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	11	2	-9	-80.0%	3.4	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	74	141	67	90.3%	6.4	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	5	5	0	0.0%	0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	5	6	1	20.0%	0.4	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	7	4	-3	-45.7%	1.4	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	77	48	-29	-37.4%	3.6	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	1	1		1.1	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	2	3	1	60.0%	0.7	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	2	1	-1	-70.0%	1.2	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	11	12	1	9.1%	0.3	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	9	12	3	31.1%	0.9	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	88	75	-13	-14.8%	1.4	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	14	12	-2	-11.4%	0.4	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	54	37	-17	-30.7%	2.5	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	51	58	7	14.1%	1.0	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	82	71	-11	-13.2%	1.2	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	286	281	-5	-1.9%	0.3	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	142	127	-15	-10.8%	1.3	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	71	76	5	7.3%	0.6	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	34	61	27	79.4%	3.9	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	372	415	43	11.6%	2.2	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	24	24	0	-1.7%	0.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	16	17	1	6.3%	0.2	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	6	3	-3	-53.3%	1.5	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	13	1	-12	-95.4%	4.8	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	22	7	-15	-68.2%	3.9	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	8	8		4.1	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	103	106	3	3.1%	0.3	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	151	160	9	5.8%	0.7	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	57	57		10.7	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	17	33	16	96.5%	3.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	88	68	-20	-23.0%	2.3	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	5	5		3.2	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	27	34	7	24.4%	1.2	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	9	29	20	226.7%	4.7	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	144	168	24	16.7%	1.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	61	75	14	22.6%	1.7	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	2	0	-2	-100.0%	2.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	41	60	-1	-2.9%	0.2	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	40	18	-22	-54.0%	4.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	2	1	-1	-60.0%	1.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	153	160	7	4.7%	0.6	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	4	2	-2	-60.0%	1.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	36	40	4	11.1%	0.6	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	16	12	-4	-23.8%	1.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	132	147	15	11.4%	1.3	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	39	42	3	7.7%	0.5	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	2	2	0	20.0%	0.3	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	25	44	19	77.6%	3.3	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	97	117	20	21.0%	2.0	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	10	5	-5	-46.0%	1.7	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	20	6	-14	-69.0%	3.8	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	59	47	-12	-21.0%	1.7	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	1	2	1	80.0%	0.7	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	24	17	-7	-29.2%	1.5	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	121	161	40	32.9%	3.4	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	2	0	-2	-90.0%	1.7	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	4	6	2	55.0%	1.0	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	57	48	-9	-15.8%	1.2	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	5	5	0	0.0%	0.0	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	62	62	0	0.3%	0.0	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	139	171	32	22.9%	2.6	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	9	7	-2	-22.2%	0.7	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	23	22	-1	-2.6%	0.1	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	4	2	-2	-50.0%	1.2	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	75	66	-9	-11.5%	1.0	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	3	2	-1	-26.7%	0.5	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	4	1	-3	-65.0%	1.6	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	46	56	10	22.6%	1.5	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	206	236	30	14.4%	2.0	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	25	5	-20	-79.2%	5.1	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	28	55	27	95.0%	4.1	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	11	72	61	556.4%	9.5	Pass Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	59	56	-3	-5.4%	0.4	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	238	236	-2	-0.8%	0.1	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	40	21	-19	-47.0%	3.4	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	12	7	-5	-43.3%	1.7	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	135	137	2	1.3%	0.2	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	414	461	47	11.4%	2.2	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	310	381	71	23.0%	3.8	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	97	158	61	63.1%	5.4	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	205	245	40	19.3%	2.6	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	10	23	13	126.0%	3.1	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	7	32	25	362.9%	5.7	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	483	524	41	8.5%	1.8	Pass Low
325	nction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	408	537	129	31.7%	6.0	Fail Low
326	nction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	127	28	-99	-78.1%	11.3	Pass Low
327	nction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	2	1	-1	-50.0%	0.8	Pass Low
328	nction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	680	722	42	6.2%	1.6	Pass Low
329	nction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	7	46	39	557.1%	7.6	Pass Low
330	nction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	39	49	10	25.1%	1.5	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:812	377	377	0	0.1%	0.0	Pass Low
332	nction	William Adams Way/Suffolk Road	123		811z:813:812	314	374	60	19.0%	3.2	Pass Low
333	nction	William Adams Way/Suffolk Road	124		811z:813:866	522	340	-182	-34.9%	8.8	Fail Low
334	nction	3 Pasteur Road/East Access/West A	143		103:260:258	1	15	14	1440.0%	5.0	Pass Low
335	nction	3 Pasteur Road/East Access/West A	144		103:260:272	487	554	67	13.7%	2.9	Pass Low
336	nction	3 Pasteur Road/East Access/West A	145		103:260:261	1	1	0	-20.0%	0.2	Pass Low





**Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	1	2	1	120.0%	0.9	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	1	9	8	780.0%	3.5	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	710	748	38	5.3%	1.4	Pass Mid
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	16	23	7	42.5%	1.5	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	5	4	440.0%	2.5	Pass Low



Vehicle Flow Information  
Validation Statistics  
All Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	29	33	4	13.1%	0.7	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	158	247	89	56.1%	6.2	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	56	59	3	5.7%	0.4	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	87	79	-8	-9.7%	0.9	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	68	59	-9	-13.2%	1.1	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	478	528	50	10.5%	2.2	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	8	0	-8	-100.0%	4.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	27	38	11	39.3%	1.9	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	1211	1420	209	17.3%	5.8	Fail Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	1257	1383	126	10.0%	3.5	Pass Mid
169	2	Haven Bridge	NE	SW	872:50	767	741	-26	-3.3%	0.9	Pass Mid
170	2	Haven Bridge	SW	NE	50:87z	1039	1196	157	15.1%	4.7	Fail Mid
171	3	Lawn Avenue	NE	SW	370:368	766	910	144	18.8%	5.0	Fail Mid
172	3	Lawn Avenue	SW	NE	368:370	567	579	12	2.1%	0.5	Pass Low
175	5	North Denes Rd	S	N	1270:559	202	96	-106	-52.4%	8.7	Fail Low
176	5	North Denes Rd	N	S	559:1270	283	264	-19	-6.8%	1.2	Pass Low
177	6	North Drive	S	N	1262:557	172	152	-20	-11.7%	1.6	Pass Low
178	6	North Drive	N	S	557:1262	455	413	-42	-9.3%	2.0	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	911	876	-35	-3.8%	1.2	Pass Mid
180	7	Gapton Hall Road	NE	SW	1068:1067	263	275	12	4.6%	0.7	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	1814	2008	194	10.7%	4.4	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	1165	1175	10	0.8%	0.3	Pass Mid
187	11	South Denes Rd	S	N	681:678	108	53	-55	-50.9%	6.1	Pass Low
188	11	South Denes Rd	N	S	678:681	181	178	-3	-1.8%	0.2	Pass Low
189	12	South Beach Parade	S	N	674:672	21	38	17	81.0%	3.1	Pass Low
190	12	South Beach Parade	N	S	672:674	92	110	18	19.3%	1.8	Pass Low
195	17	Southtown Rd	S	N	419:420	461	470	9	2.0%	0.4	Pass Low
196	17	Southtown Rd	N	S	420:419	307	216	-91	-29.6%	5.6	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	190	272	82	43.1%	5.4	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	601	681	80	13.3%	3.2	Pass Low
199	19	Euston Rd	E	W	532:339	132	199	67	51.1%	5.2	Pass Low
200	19	Euston Rd	W	E	339:532	85	99	14	16.7%	1.5	Pass Low
201	20	Acle New Rd	SE	NW	12:1	1036	1272	236	22.8%	6.9	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	939	992	53	5.7%	1.7	Pass Mid



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	19	29	10	53.7%	2.1	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	185	188	3	1.8%	0.2	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	718	708	-10	-1.4%	0.4	Pass Mid
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	11	10	-1	-5.5%	0.2	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	5	10	5	92.0%	1.7	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	49	54	5	9.8%	0.7	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	137	196	59	42.8%	4.5	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	164	162	-2	-1.1%	0.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	112	123	11	9.5%	1.0	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	2	0	-2	-90.0%	1.7	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	103	124	21	20.8%	2.0	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	407	338	-69	-17.0%	3.6	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	274	275	1	0.4%	0.1	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	128	150	22	17.5%	1.9	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	6	4	-2	-33.3%	0.9	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	20	11	-9	-47.0%	2.4	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	258	218	-40	-15.3%	2.6	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	434	392	-42	-9.7%	2.1	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	3	6	3	113.3%	1.6	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	11	8	-3	-30.9%	1.1	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	19	11	-8	-41.1%	2.0	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	187	188	1	0.5%	0.1	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	32	29	-3	-10.0%	0.6	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	51	56	5	10.2%	0.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	687	710	23	3.3%	0.9	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	451	496	45	10.0%	2.1	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	53	44	-9	-17.7%	1.4	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	536	575	39	7.2%	1.6	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	112	117	5	4.8%	0.5	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	740	715	-25	-3.4%	0.9	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	296	282	-14	-4.7%	0.8	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	73	51	-22	-29.9%	2.8	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	322	400	78	24.2%	4.1	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	186	117	-69	-37.3%	5.6	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	716	726	10	1.3%	0.4	Pass Mid
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	545	535	-10	-1.9%	0.4	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	50	69	19	37.2%	2.4	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	258	341	83	32.0%	4.8	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	196	235	39	20.1%	2.7	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	15	28	13	85.3%	2.8	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	238	231	-7	-2.9%	0.4	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	787	847	60	7.6%	2.1	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	47	60	13	28.5%	1.8	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	134	154	20	14.9%	1.7	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	17	8	-9	-55.3%	2.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	53	45	-8	-14.7%	1.1	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	75	88	13	17.6%	1.5	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	1125	1128	3	0.3%	0.1	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	329	271	-58	-17.7%	3.4	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	179	237	58	32.3%	4.0	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	50	92	42	83.2%	4.9	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	103	91	-12	-11.5%	1.2	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	42	46	4	9.0%	0.6	Pass Low
65	5	Hall Quay	A	B	37z:44:52	227	203	-24	-10.4%	1.6	Pass Low
66	5	Hall Quay	B	A	52:44:37z	125	162	37	29.3%	3.1	Pass Low
67	5	Hall Quay	B	C	52:97z:51	636	605	-31	-4.8%	1.2	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	490	467	-23	-4.8%	1.1	Pass Low
69	5	Hall Quay	C	B	51:44:52	555	519	-36	-6.5%	1.6	Pass Low
70	6	Station Access	A	B	114:4:92z	813	776	-37	-4.5%	1.3	Pass Mid
71	6	Station Access	A	C	114:4:91	56	82	26	47.1%	3.2	Pass Low
72	6	Station Access	B	A	92z:4:114	848	886	38	4.5%	1.3	Pass Mid
73	6	Station Access	B	C	92z:4:91	115	138	23	19.8%	2.0	Pass Low
74	6	Station Access	C	A	91:4:114	106	100	-6	-5.7%	0.6	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	7	4	-3	-48.6%	1.5	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	190	217	27	14.0%	1.9	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	91	80	-11	-12.1%	1.2	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	33	31	-2	-6.7%	0.4	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	23	6	-17	-72.2%	4.3	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	8	32	24	302.5%	5.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	14	19	5	37.1%	1.3	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	14	11	-3	-22.9%	0.9	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	6	8	2	33.3%	0.8	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	1	0	-1	-60.0%	0.7	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	259	218	-41	-15.9%	2.7	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	45	32	-13	-28.0%	2.0	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	67	73	6	9.0%	0.7	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	33	22	-11	-33.3%	2.1	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	104	119	15	14.0%	1.4	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	90	33	-57	-63.3%	7.3	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-100.0%	1.4	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	23	39	16	69.6%	2.9	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	39	15	-24	-60.5%	4.5	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	82	90	8	9.3%	0.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	131	121	-10	-7.3%	0.9	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	21	21	0	1.0%	0.0	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	14	6	-8	-55.7%	2.5	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	10	6	-4	-40.0%	1.4	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	18	3	-15	-81.1%	4.5	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	25	24	-1	-3.2%	0.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	24	7	-17	-71.7%	4.4	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	247	249	2	0.7%	0.1	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	67	78	11	17.0%	1.3	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	353	424	71	20.1%	3.6	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	211	216	5	2.2%	0.3	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	58	71	13	22.4%	1.6	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	153	219	66	43.0%	4.8	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	56	52	-4	-6.4%	0.5	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	27	7	-20	-72.6%	4.7	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	38	21	-17	-43.7%	3.0	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	42	49	7	15.7%	1.0	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	210	162	-48	-22.8%	3.5	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	382	394	12	3.1%	0.6	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	42	47	5	12.9%	0.8	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	414	412	-2	-0.5%	0.1	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	79	66	-13	-17.0%	1.6	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	26	39	13	48.5%	2.2	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	560	514	-46	-8.3%	2.0	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	39	74	35	90.3%	4.7	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	264	290	26	9.8%	1.6	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	160	173	13	8.4%	1.0	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	248	263	15	6.2%	1.0	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	5	6	1	24.0%	0.5	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	160	130	-30	-18.5%	2.5	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	97	104	7	7.6%	0.7	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	11	7	-4	-34.5%	1.3	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	8	41	33	412.5%	6.7	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	97	127	30	31.3%	2.9	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	86	59	-27	-31.9%	3.2	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	4	7	3	75.0%	1.3	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	74	67	-7	-9.7%	0.9	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	27	27	0	-0.7%	0.0	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	60	65	5	8.0%	0.6	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	39	43	4	9.7%	0.6	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.6	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	328	281	-47	-14.4%	2.7	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	141	110	-31	-21.7%	2.7	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	42	31	-11	-26.2%	1.8	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	546	552	6	1.1%	0.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	473	482	9	1.8%	0.4	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	42	60	18	43.3%	2.5	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	261	298	37	14.1%	2.2	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	16	5	-11	-68.8%	3.4	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	16	12	-4	-26.3%	1.1	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	49	9	-40	-82.0%	7.5	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	30	10	-20	-65.3%	4.4	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	47	74	27	57.9%	3.5	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	309	294	-15	-4.8%	0.9	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	209	215	6	3.0%	0.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	180	162	-18	-9.8%	1.3	Pass Low
174	4	Northgate Street	N	S	543:1365	464	428	-36	-7.8%	1.7	Pass Low
181	8	Burgh Rd	W	E	1057:1051	248	247	-1	-0.5%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	172	173	1	0.3%	0.0	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	480	462	-18	-3.7%	0.8	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	300	282	-18	-6.1%	1.1	Pass Low
193	14	Caister Road	S	N	369:536	457	467	10	2.3%	0.5	Pass Low
194	14	Caister Road	N	S	536:369	860	877	17	2.0%	0.6	Pass Mid
203	16	Gapton Hall Retail Park	A	C	306:298:560z	403	339	-64	-15.8%	3.3	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	110	129	19	16.9%	1.7	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	433	540	107	24.6%	4.8	Fail Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	38	67	29	77.4%	4.0	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	48	52	4	8.8%	0.6	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	29	22	-7	-22.8%	1.3	Pass Low
209	21	Matalan Access	exit		85:82	7	9	2	34.3%	0.8	Pass Low
210	21	Matalan Access		access	82:85	7	19	12	177.1%	3.4	Pass Low
211	22	Station Road	exit		78:79	193	194	1	0.4%	0.1	Pass Low
212	22	Station Road		access	79:78	86	98	12	13.5%	1.2	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	38	32	-6	-15.8%	1.0	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	17	11	-6	-34.1%	1.5	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	176	148	-28	-15.7%	2.2	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	36	41	5	14.4%	0.8	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	40	41	1	2.5%	0.2	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	311	373	62	20.1%	3.4	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	5	5	0	-8.0%	0.2	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	31	24	-7	-21.9%	1.3	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	40	48	8	20.5%	1.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	178	174	-4	-2.2%	0.3	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	541	586	45	8.4%	1.9	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	106	126	20	19.1%	1.9	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	149	156	7	4.4%	0.5	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	304	367	63	20.8%	3.4	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	32	27	-5	-14.4%	0.8	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	180	225	45	24.9%	3.1	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	58	41	-17	-29.0%	2.4	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	21	5	-16	-75.2%	4.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	7	3	-4	-57.1%	1.8	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	12	1	-11	-93.3%	4.4	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	10	2	-8	-80.0%	3.3	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	72	126	54	74.4%	5.4	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	5	5	0	-8.0%	0.2	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	3	6	3	93.3%	1.3	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	5	3	-2	-36.0%	0.9	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	69	42	-27	-39.7%	3.7	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.9	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	2	3	1	40.0%	0.5	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	2	0	-2	-80.0%	1.5	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	8	10	2	22.5%	0.6	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	7	10	3	40.0%	1.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	72	58	-14	-19.4%	1.7	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	11	10	-1	-5.5%	0.2	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	48	31	-17	-34.6%	2.6	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	48	52	4	8.8%	0.6	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	80	63	-17	-21.0%	2.0	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	252	238	-14	-5.4%	0.9	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	110	91	-19	-17.1%	1.9	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	66	67	1	0.9%	0.1	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	31	41	10	33.5%	1.7	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	322	350	28	8.8%	1.5	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	18	18	0	2.2%	0.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	15	14	-1	-6.7%	0.3	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	5	2	-3	-52.0%	1.4	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	6	1	-5	-90.0%	3.0	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	17	6	-11	-64.7%	3.2	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	7	7		3.8	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	90	89	-1	-0.9%	0.1	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	126	140	14	11.3%	1.2	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	50	50		10.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	16	26	10	65.0%	2.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	76	59	-17	-22.6%	2.1	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	5	5		3.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	25	29	4	16.8%	0.8	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	9	23	14	153.3%	3.5	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	118	151	33	28.1%	2.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	52	65	13	24.6%	1.7	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	1	0	-1	-100.0%	1.4	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	33	30	-3	-8.5%	0.5	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	35	16	-19	-53.1%	3.7	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	2	1	-1	-60.0%	1.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	128	141	13	9.8%	1.1	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	2	2	0	-20.0%	0.3	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	28	30	2	8.6%	0.4	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	13	12	-1	-7.7%	0.3	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	110	128	18	16.2%	1.6	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	21	25	4	18.1%	0.8	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	0	2	2		1.9	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	17	35	18	104.7%	3.5	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	71	83	12	16.3%	1.3	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	3	4	1	26.7%	0.4	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	8	4	-4	-50.0%	1.6	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	28	28	0	-1.4%	0.1	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	1	1	0	20.0%	0.2	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	22	12	-10	-47.3%	2.5	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	86	117	31	35.8%	3.1	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	2	0	-2	-90.0%	1.7	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	3	4	1	26.7%	0.4	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	28	28	0	0.0%	0.0	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	2	3	1	70.0%	0.9	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	54	47	-7	-13.7%	1.0	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	105	125	20	19.0%	1.9	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	6	4	-2	-40.0%	1.1	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	14	8	-6	-41.4%	1.7	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	1	1	0	-20.0%	0.2	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	40	35	-5	-13.0%	0.9	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	2	1	-1	-50.0%	0.8	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	2	1	-1	-40.0%	0.6	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	42	48	6	14.8%	0.9	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	164	174	10	6.0%	0.8	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	20	4	-16	-79.0%	4.5	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	21	45	24	113.3%	4.1	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	8	58	50	620.0%	8.7	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	52	50	-2	-3.5%	0.3	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	199	188	-11	-5.5%	0.8	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	33	18	-15	-44.8%	2.9	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	11	6	-5	-43.6%	1.6	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	122	116	-6	-4.6%	0.5	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	359	363	4	1.1%	0.2	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	250	318	68	27.0%	4.0	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	73	130	57	77.8%	5.6	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	166	195	29	17.7%	2.2	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	9	20	11	117.8%	2.8	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	6	27	21	343.3%	5.1	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	418	445	27	6.4%	1.3	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	329	446	117	35.5%	5.9	Fail Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	87	21	-66	-75.4%	8.9	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	1	0	-40.0%	0.4	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	576	602	26	4.5%	1.1	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	6	38	32	526.7%	6.8	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	31	35	4	13.5%	0.7	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	296	294	-2	-0.7%	0.1	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	242	294	52	21.6%	3.2	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	467	307	-160	-34.3%	8.1	Fail Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	14	14		5.4	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	385	440	55	14.3%	2.7	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	1	1	0	-20.0%	0.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	1	2	1	100.0%	0.8	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	1	8	7	720.0%	3.4	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	594	616	22	3.7%	0.9	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	15	19	4	29.3%	1.1	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	5	4	380.0%	2.2	Pass Low



Vehicle Flow Information  
Validation Statistics  
Car Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	28	29	1	2.1%	0.1	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	131	207	76	57.7%	5.8	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	51	46	-5	-9.0%	0.7	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	68	63	-5	-7.4%	0.6	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	53	52	-1	-2.6%	0.2	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	414	449	35	8.5%	1.7	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	7	0	-7	-100.0%	3.7	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	25	35	10	38.4%	1.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	989	1117	128	13.0%	4.0	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	1035	1112	77	7.5%	2.4	Pass Mid
169	2	Haven Bridge	NE	SW	872:50	621	608	-13	-2.1%	0.5	Pass Low
170	2	Haven Bridge	SW	NE	50:872	862	978	116	13.5%	3.8	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	646	769	123	19.1%	4.6	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	470	461	-9	-1.8%	0.4	Pass Low
175	5	North Denes Rd	S	N	1270:559	177	86	-91	-51.4%	7.9	Pass Low
176	5	North Denes Rd	N	S	559:1270	248	247	-1	-0.4%	0.1	Pass Low
177	6	North Drive	S	N	1262:557	150	128	-22	-14.7%	1.9	Pass Low
178	6	North Drive	N	S	557:1262	390	362	-28	-7.3%	1.5	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	782	752	-30	-3.9%	1.1	Pass Mid
180	7	Gapton Hall Road	NE	SW	1068:1067	223	215	-8	-3.7%	0.6	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	1486	1626	140	9.4%	3.6	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	948	933	-15	-1.5%	0.5	Pass Mid
187	11	South Denes Rd	S	N	681:678	80	31	-49	-60.8%	6.5	Pass Low
188	11	South Denes Rd	N	S	678:681	142	128	-14	-9.6%	1.2	Pass Low
189	12	South Beach Parade	S	N	674:672	18	29	11	60.0%	2.2	Pass Low
190	12	South Beach Parade	N	S	672:674	78	94	16	20.8%	1.7	Pass Low
195	17	Southtown Rd	S	N	419:420	382	397	15	3.8%	0.7	Pass Low
196	17	Southtown Rd	N	S	420:419	250	183	-67	-26.8%	4.6	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	165	230	65	39.6%	4.7	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	491	550	59	12.1%	2.6	Pass Low
199	19	Euston Rd	E	W	532:339	113	176	63	55.4%	5.2	Pass Low
200	19	Euston Rd	W	E	339:532	73	78	5	7.1%	0.6	Pass Low
201	20	Acle New Rd	SE	NW	12:1	859	1030	171	19.9%	5.6	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	770	768	-2	-0.3%	0.1	Pass Mid





Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	1	3	2	240.0%	1.6	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	3	7	4	120.0%	1.6	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	19	29	10	51.6%	2.0	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	2	0	-2	-100.0%	2.0	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	1	1		1.5	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	2	2	0	-10.0%	0.1	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	3	9	6	200.0%	2.4	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	17	10	-7	-40.0%	1.8	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	22	4	-18	-80.0%	4.8	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	25	17	-8	-33.6%	1.8	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	19	20	1	4.2%	0.2	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	12	23	11	91.7%	2.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	18	15	-3	-18.9%	0.8	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	0	0	0		0.0	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	1	1	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	29	25	-4	-15.2%	0.8	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	38	33	-5	-12.1%	0.8	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	0	1	1		1.1	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	2	3	1	50.0%	0.6	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	4	3	-1	-15.0%	0.3	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	25	32	7	29.6%	1.4	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	0	3	3		2.4	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	1	0	-1	-100.0%	1.4	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	20	21	1	3.0%	0.1	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	40	33	-7	-16.5%	1.1	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	5	3	-2	-48.0%	1.2	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	21	34	13	61.0%	2.4	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	13	4	-9	-69.2%	3.1	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	37	42	5	14.6%	0.9	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	12	11	-1	-11.7%	0.4	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	4	1	-3	-70.0%	1.7	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	26	25	-1	-5.4%	0.3	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	10	4	-6	-62.0%	2.4	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	50	52	2	4.4%	0.3	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	25	24	-1	-4.0%	0.2	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	3	2	-1	-20.0%	0.4	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	13	16	3	26.2%	0.9	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	3	10	7	226.7%	2.7	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	3	7	4	133.3%	1.8	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	10	20	10	104.0%	2.7	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	42	35	-7	-17.6%	1.2	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	14	19	5	35.7%	1.2	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	9	10	1	15.6%	0.4	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	1	0	-1	-80.0%	1.0	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	5	0	-5	-92.0%	2.8	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	8	0	-8	-95.0%	3.7	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	48	63	15	31.3%	2.0	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	14	3	-11	-81.4%	4.0	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	17	22	5	28.2%	1.1	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	26	6	-20	-76.2%	4.9	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	11	0	-11	-98.2%	4.6	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	18	17	-1	-5.6%	0.2	Pass Low
65	5	Hall Quay	A	B	37z:44:52	19	24	5	25.3%	1.0	Pass Low
66	5	Hall Quay	B	A	52:44:37z	40	20	-20	-49.0%	3.6	Pass Low
67	5	Hall Quay	B	C	52:97z:51	62	37	-25	-39.7%	3.5	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	28	16	-12	-42.9%	2.6	Pass Low
69	5	Hall Quay	C	B	51:44:52	30	27	-3	-10.0%	0.6	Pass Low
70	6	Station Access	A	B	114:4:92z	47	58	11	23.8%	1.5	Pass Low
71	6	Station Access	A	C	114:4:91	4	3	-1	-20.0%	0.4	Pass Low
72	6	Station Access	B	A	92z:4:114	44	53	9	20.5%	1.3	Pass Low
73	6	Station Access	B	C	92z:4:91	1	1	0	20.0%	0.2	Pass Low
74	6	Station Access	C	A	91:4:114	2	3	1	60.0%	0.7	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	3	2	-1	-20.0%	0.4	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	29	5	-24	-83.4%	5.9	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	6	0	-6	-96.7%	3.3	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	2	6	4	180.0%	1.8	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	4	2	-2	-40.0%	0.9	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	0	0	0		0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	0	0		0.6	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	0	0		0.6	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	25	3	-22	-88.8%	6.0	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	1	2	1	100.0%	0.8	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	1	0	-1	-80.0%	1.0	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	1	0	-1	-100.0%	1.4	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	3	3	0	-6.7%	0.1	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	0	2	2		1.8	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.6	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	4	1	-3	-70.0%	1.7	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	1	2	1	100.0%	0.8	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	4	9	5	115.0%	1.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	3	3	0	-6.7%	0.1	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	1	0	-1	-80.0%	1.0	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	0	0	0		0.0	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	0	0	0		0.9	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	2	0	-2	-100.0%	2.0	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	1	1	0	-40.0%	0.4	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	0	0	0		0.0	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	33	3	-30	-91.5%	7.1	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	10	0	-10	-96.0%	4.2	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	24	14	-10	-40.0%	2.2	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	13	11	-2	-18.5%	0.7	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	8	5	-3	-42.5%	1.4	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	15	17	2	10.7%	0.4	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	3	3	0	6.7%	0.1	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	1	1	0	-40.0%	0.4	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	1	0	-1	-100.0%	1.4	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	2	0	-2	-90.0%	1.7	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	28	9	-19	-67.9%	4.4	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	31	28	-3	-9.7%	0.6	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	1	0	-1	-100.0%	1.4	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	31	14	-17	-56.1%	3.7	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	3	2	-1	-46.7%	0.9	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	1	2	1	100.0%	0.8	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	25	25	0	0.8%	0.0	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	3	2	-1	-46.7%	0.9	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	21	13	-8	-39.0%	2.0	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	10	2	-8	-82.0%	3.4	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	26	30	4	16.2%	0.8	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	1	0	-1	-100.0%	1.4	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	5	0	-5	-100.0%	3.2	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	3	4	1	20.0%	0.3	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	0	0	0		0.0	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	2	2	0	0.0%	0.0	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	2	0	-2	-100.0%	2.0	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	0	0	0		0.0	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	9	1	-8	-86.7%	3.5	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	1	1	0	20.0%	0.2	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	3	4	1	33.3%	0.5	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	1	4	3	260.0%	1.7	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	8	5	-3	-40.0%	1.3	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	7	4	-3	-42.9%	1.3	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	1	0	-1	-80.0%	1.0	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	51	50	-1	-2.0%	0.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	11	22	11	98.2%	2.7	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	0	0	0		0.9	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	53	36	-17	-32.8%	2.6	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	0	0	0		0.0	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	0	0	0		0.6	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	1	0	-1	-100.0%	1.4	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	1	0	-1	-100.0%	1.4	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	1	3	2	240.0%	1.6	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	16	16	0	-2.5%	0.1	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	4	4	0	5.0%	0.1	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	8	9	1	12.5%	0.3	Pass Low
174	4	Northgate Street	N	S	543:1365	21	15	-6	-28.6%	1.4	Pass Low
181	8	Burgh Rd	W	E	1057:1051	10	9	-1	-12.0%	0.4	Pass Low
182	8	Burgh Rd	E	W	1051:1057	8	6	-2	-27.5%	0.8	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	29	28	-1	-4.8%	0.3	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	18	16	-2	-13.3%	0.6	Pass Low
193	14	Caister Road	S	N	369:536	28	36	8	28.6%	1.4	Pass Low
194	14	Caister Road	N	S	536:369	52	52	0	-0.4%	0.0	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	10	12	2	20.0%	0.6	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	1	4	3	340.0%	2.1	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	10	30	20	200.0%	4.5	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	0	0	0		0.0	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	4	3	-1	-25.0%	0.5	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	0	0	0		0.0	Pass Low
209	21	Matalan Access	exit		85:82	2	1	-1	-30.0%	0.5	Pass Low
210	21	Matalan Access		access	82:85	0	1	1		1.3	Pass Low
211	22	Station Road	exit		78:79	3	1	-2	-73.3%	1.6	Pass Low
212	22	Station Road		access	79:78	2	2	0	20.0%	0.3	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	2	1	-1	-70.0%	1.2	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	1	0	-1	-100.0%	1.4	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	3	1	-2	-60.0%	1.2	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	0	0	0		0.0	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	3	3	0	6.7%	0.1	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	24	24	0	1.7%	0.1	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	0	0	0		0.0	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	1	0	-1	-80.0%	1.0	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	3	4	1	40.0%	0.6	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	4	3	-1	-30.0%	0.7	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	23	29	6	24.3%	1.1	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	1	6	5	520.0%	2.7	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	5	17	12	244.0%	3.7	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	19	24	5	26.3%	1.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	5	0	-5	-96.0%	3.0	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	8	5	-3	-42.5%	1.4	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	1	3	2	240.0%	1.6	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	1	0	-1	-100.0%	1.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	2	0	-2	-100.0%	2.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0		0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	1	0	-1	-100.0%	1.4	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	0	0	0		0.0	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	0	0	0		0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	0	0		0.0	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	1	0	-1	-100.0%	1.4	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	0	2	2		1.9	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0		0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	1	0	-1	-80.0%	1.0	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	0	0		0.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	1	4	3	300.0%	1.9	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	1	0	-1	-100.0%	1.4	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	0	3	3		2.4	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	0	0	0		0.6	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	0	3	3		2.4	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	5	5	0	4.0%	0.1	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	3	15	12	393.3%	4.0	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	0	2	2		2.1	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	1	8	7	660.0%	3.2	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	18	18	0	2.2%	0.1	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	3	2	-1	-40.0%	0.8	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	0	0	0		0.6	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	0	0	0		0.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	2	0	-2	-100.0%	2.0	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	2	0	-2	-80.0%	1.5	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	0	0		0.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	2	2	0	-10.0%	0.1	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	3	5	2	73.3%	1.1	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	0	0		0.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	0	2	2		1.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	2	0	-2	-90.0%	1.7	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	0	0		0.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	0	0	0		0.0	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	0	3	3		2.4	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	4	2	-2	-40.0%	0.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	0	0	0		0.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	2	2	0	-10.0%	0.1	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	0	0	0		0.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	3	5	2	73.3%	1.1	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	1	0	-1	-100.0%	1.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	2	2	0	-10.0%	0.1	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	3	5	2	73.3%	1.1	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	14	9	-5	-32.9%	1.3	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	2	0	-2	-100.0%	2.0	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	2	1	-1	-30.0%	0.5	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	15	17	2	12.0%	0.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	6	0	-6	-100.0%	3.5	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	6	1	-5	-86.7%	2.8	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	20	10	-10	-48.0%	2.5	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	0	1	1		1.4	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	17	18	1	7.1%	0.3	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	0	2	2		1.9	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	19	12	-7	-35.8%	1.7	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	1	0	-1	-100.0%	1.4	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	2	5	3	150.0%	1.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	17	19	2	10.6%	0.4	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	0	0	0		0.9	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	1	2	1	120.0%	0.9	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	3	1	-2	-60.0%	1.2	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	18	13	-5	-28.9%	1.3	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	0	0		0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	0	0		0.0	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	0	2	2		2.2	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	18	24	6	32.2%	1.3	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	0	0	0		0.0	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	0	3	3		2.5	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	0	3	3		2.4	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	0	0	0		0.9	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	4	3	-1	-35.0%	0.8	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	1	0	-1	-80.0%	1.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	0	0	0		0.0	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	2	3	1	70.0%	0.9	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	18	26	8	44.4%	1.7	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	11	15	4	34.5%	1.1	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	3	4	1	46.7%	0.7	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	11	11	0	3.6%	0.1	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	0	0	0		0.9	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	0	0	0		0.9	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	5	17	12	236.0%	3.6	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	13	19	6	47.7%	1.5	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	2	0	-2	-90.0%	1.7	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	0	0	0		0.0	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	16	24	8	52.5%	1.9	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	1	4	3	280.0%	1.8	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	2	1	-1	-60.0%	1.0	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	18	11	-7	-38.9%	1.8	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	21	21	0	1.9%	0.1	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	9	2	-7	-80.0%	3.1	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	0	0		0.0	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	27	28	1	2.2%	0.1	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.0	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.6	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	25	28	3	12.0%	0.6	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	1	1	0	-40.0%	0.4	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Validation Statistics  
HGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	0	2	2		1.9	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	5	5	0	-8.0%	0.2	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	1	1	0	0.0%	0.0	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	2	7	5	260.0%	2.4	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	9	0	-9	-95.6%	4.0	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	10	19	9	94.0%	2.5	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	0	0	0		0.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	0	1	1		1.1	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	56	70	14	25.0%	1.8	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	48	57	9	19.2%	1.3	Pass Low
169	2	Haven Bridge	NE	SW	872:50	46	37	-9	-18.7%	1.3	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	52	42	-10	-18.8%	1.4	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	21	37	16	74.3%	2.9	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	20	28	8	42.0%	1.7	Pass Low
175	5	North Denes Rd	S	N	1270:559	6	0	-6	-100.0%	3.5	Pass Low
176	5	North Denes Rd	N	S	559:1270	8	0	-8	-97.5%	3.9	Pass Low
177	6	North Drive	S	N	1262:557	5	0	-5	-96.0%	3.0	Pass Low
178	6	North Drive	N	S	557:1262	17	5	-12	-71.8%	3.7	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	26	24	-2	-7.7%	0.4	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	7	6	-1	-11.4%	0.3	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	82	87	5	5.6%	0.5	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	48	53	5	10.8%	0.7	Pass Low
187	11	South Denes Rd	S	N	681:678	10	12	2	22.0%	0.7	Pass Low
188	11	South Denes Rd	N	S	678:681	12	19	7	60.0%	1.8	Pass Low
189	12	South Beach Parade	S	N	674:672	1	3	2	180.0%	1.3	Pass Low
190	12	South Beach Parade	N	S	672:674	4	6	2	45.0%	0.8	Pass Low
195	17	Southtown Rd	S	N	419:420	31	14	-17	-55.5%	3.6	Pass Low
196	17	Southtown Rd	N	S	420:419	24	3	-21	-85.8%	5.6	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	4	5	1	15.0%	0.3	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	49	41	-8	-15.5%	1.1	Pass Low
199	19	Euston Rd	E	W	532:339	3	2	-1	-33.3%	0.6	Pass Low
200	19	Euston Rd	W	E	339:532	2	4	2	100.0%	1.2	Pass Low
201	20	Acle New Rd	SE	NW	12:1	43	54	11	26.0%	1.6	Pass Low
202	20	Acle New Rd	NW	SE	1:12	45	58	13	28.0%	1.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	9	2	-7	-77.8%	3.0	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	22	26	4	17.3%	0.8	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	102	120	18	17.6%	1.7	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	0	1	1		1.7	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	4	1	-3	-70.0%	1.7	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	6	6	0	0.0%	0.0	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	29	35	6	20.7%	1.1	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	39	30	-9	-23.6%	1.6	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	28	22	-6	-21.4%	1.2	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	24	32	8	34.2%	1.5	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	99	68	-31	-30.9%	3.3	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	35	61	26	74.9%	3.8	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	33	36	3	9.7%	0.5	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	2	1	-1	-50.0%	0.8	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	3	1	-2	-60.0%	1.2	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	52	46	-6	-10.8%	0.8	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	83	81	-2	-2.4%	0.2	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	1	2	1	60.0%	0.5	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	8	4	-4	-45.0%	1.4	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	1	3	2	220.0%	1.5	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	41	48	7	18.0%	1.1	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	3	4	1	20.0%	0.3	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	8	7	-1	-17.5%	0.5	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	109	131	22	19.8%	2.0	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	89	114	25	27.6%	2.4	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	10	7	-3	-34.0%	1.2	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	103	113	10	9.5%	0.9	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	27	26	-1	-3.7%	0.2	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	128	134	6	5.0%	0.6	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	49	52	3	6.1%	0.4	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	18	13	-5	-27.8%	1.3	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	51	72	21	41.2%	2.7	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	38	33	-5	-13.2%	0.8	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	131	155	24	18.0%	2.0	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	106	93	-13	-12.6%	1.3	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	7	11	4	62.9%	1.5	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	44	65	21	47.7%	2.8	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	22	32	10	46.4%	2.0	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	4	7	3	85.0%	1.4	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	29	46	17	60.0%	2.8	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	125	149	24	19.2%	2.1	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	28	17	-11	-38.6%	2.3	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	33	41	8	25.5%	1.4	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	1	0	-1	-60.0%	0.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	6	5	-1	-16.7%	0.4	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	28	26	-2	-7.1%	0.4	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	156	212	56	35.9%	4.1	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	18	28	10	55.6%	2.1	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	48	58	10	20.4%	1.3	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	53	15	-38	-72.5%	6.6	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	46	14	-32	-68.7%	5.8	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	43	33	-10	-22.3%	1.6	Pass Low
65	5	Hall Quay	A	B	37z:44:52	53	38	-15	-28.3%	2.2	Pass Low
66	5	Hall Quay	B	A	52:44:37z	30	35	5	17.3%	0.9	Pass Low
67	5	Hall Quay	B	C	52:97z:51	107	96	-11	-10.3%	1.1	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	75	72	-3	-3.7%	0.3	Pass Low
69	5	Hall Quay	C	B	51:44:52	99	104	5	5.3%	0.5	Pass Low
70	6	Station Access	A	B	114:4:92z	166	165	-1	-0.8%	0.1	Pass Low
71	6	Station Access	A	C	114:4:91	6	6	0	0.0%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	145	181	36	24.7%	2.8	Pass Low
73	6	Station Access	B	C	92z:4:91	7	5	-2	-22.9%	0.6	Pass Low
74	6	Station Access	C	A	91:4:114	12	9	-3	-23.3%	0.9	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	3	1	-2	-66.7%	1.4	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	26	33	7	28.5%	1.4	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	6	12	6	93.3%	1.9	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	1	5	4	360.0%	2.2	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	3	1	-2	-60.0%	1.2	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	1	3	2	240.0%	1.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	2	4	2	100.0%	1.2	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	2	2		2.2	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	1	1		1.7	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	35	19	-16	-44.6%	3.0	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	4	8	4	105.0%	1.7	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	5	8	3	52.0%	1.0	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	2	3	1	30.0%	0.4	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	15	15	0	-2.7%	0.1	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	1	4	3	260.0%	1.7	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.6	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	0	7	7		3.6	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	3	4	1	26.7%	0.4	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	7	18	11	160.0%	3.2	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	9	14	5	57.8%	1.5	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	3	4	1	40.0%	0.6	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	4	1	-3	-70.0%	1.7	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	1	11	10	1020.0%	4.1	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	2	3	1	30.0%	0.4	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	4	4	0	10.0%	0.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	1	0	-1	-60.0%	0.7	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	33	31	-2	-5.5%	0.3	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	21	21	0	0.0%	0.0	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	41	57	16	39.0%	2.3	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	46	52	6	12.2%	0.8	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	19	10	-9	-49.5%	2.5	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	37	47	10	28.1%	1.6	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	7	9	2	25.7%	0.6	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	2	0	-2	-80.0%	1.5	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	5	4	-1	-28.0%	0.7	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	7	1	-6	-91.4%	3.3	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	35	28	-7	-18.9%	1.2	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	66	65	-1	-1.5%	0.1	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	3	4	1	20.0%	0.3	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	61	70	9	14.4%	1.1	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	11	24	13	118.2%	3.1	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	5	6	1	20.0%	0.4	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	108	97	-11	-10.6%	1.1	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	5	7	2	32.0%	0.7	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	22	43	21	97.3%	3.7	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	27	41	14	50.4%	2.3	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	49	46	-3	-5.3%	0.4	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	0	1	1		1.3	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	12	15	3	28.3%	0.9	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	8	12	4	50.0%	1.3	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	1	1	0	-20.0%	0.2	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	3	5	2	60.0%	0.9	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	15	16	1	8.0%	0.3	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	9	8	-1	-6.7%	0.2	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	0	3	3		2.4	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	9	13	4	40.0%	1.1	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	2	5	3	130.0%	1.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	14	13	-1	-5.7%	0.2	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	6	8	2	30.0%	0.7	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	36	39	3	7.8%	0.5	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	22	25	3	12.7%	0.6	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	15	5	-10	-68.0%	3.2	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	115	127	12	10.1%	1.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	58	58	0	-0.3%	0.0	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	10	8	-2	-22.0%	0.7	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	71	74	3	4.2%	0.4	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	2	0	-2	-90.0%	1.7	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	1	1	0	-40.0%	0.4	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	14	3	-11	-81.4%	4.0	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	7	1	-6	-88.6%	3.1	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	6	9	3	50.0%	1.1	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	45	41	-4	-8.9%	0.6	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	27	28	1	4.4%	0.2	Pass Low





Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	22	32	10	47.3%	2.0	Pass Low
174	4	Northgate Street	N	S	543:1365	57	55	-2	-2.8%	0.2	Pass Low
181	8	Burgh Rd	W	E	1057:1051	26	24	-2	-8.5%	0.4	Pass Low
182	8	Burgh Rd	E	W	1051:1057	18	18	0	-2.2%	0.1	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	81	75	-6	-6.9%	0.6	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	51	48	-3	-5.1%	0.4	Pass Low
193	14	Caister Road	S	N	369:536	77	89	12	15.6%	1.3	Pass Low
194	14	Caister Road	N	S	536:369	145	137	-8	-5.8%	0.7	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	86	82	-4	-4.9%	0.5	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	9	15	6	62.2%	1.6	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	61	93	32	52.8%	3.7	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	3	8	5	173.3%	2.2	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	9	9	0	2.2%	0.1	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	4	6	2	45.0%	0.8	Pass Low
209	21	Matalan Access	exit		85:82	1	0	-1	-60.0%	0.7	Pass Low
210	21	Matalan Access		access	82:85	0	2	2		2.1	Pass Low
211	22	Station Road	exit		78:79	16	42	26	165.0%	4.9	Pass Low
212	22	Station Road		access	79:78	5	9	4	72.0%	1.4	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	2	3	1	60.0%	0.7	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	1	1	0	20.0%	0.2	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	27	24	-3	-10.4%	0.6	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	5	7	2	44.0%	0.9	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	9	4	-5	-57.8%	2.1	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	62	78	16	25.8%	1.9	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	5	1	-4	-80.0%	2.3	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	7	5	-2	-34.3%	1.0	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	25	17	-8	-32.8%	1.8	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	34	26	-8	-22.4%	1.4	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	82	99	17	21.0%	1.8	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	31	25	-6	-18.1%	1.1	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	20	27	7	36.0%	1.5	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	32	57	25	79.4%	3.8	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	5	5	0	-8.0%	0.2	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	17	36	19	114.1%	3.8	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	4	4	0	0.0%	0.0	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	1	0	-1	-80.0%	1.0	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	1	0	-1	-80.0%	1.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	1	0	-1	-80.0%	1.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	0	0	0		0.6	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	2	15	13	660.0%	4.5	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	2	0	0		0.9	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	0	-2	-90.0%	1.7	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	1	1	0	-40.0%	0.4	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	8	5	-3	-40.0%	1.3	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.6	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0		0.9	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.6	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	2	2	0	0.0%	0.0	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	2	2	0	0.0%	0.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	15	13	-2	-13.3%	0.5	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	2	2	0	0.0%	0.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	6	3	-3	-46.7%	1.3	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	3	6	3	93.3%	1.3	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	2	5	3	150.0%	1.6	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	29	37	8	27.6%	1.4	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	29	21	-8	-29.0%	1.7	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	5	7	2	48.0%	1.0	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	2	12	10	500.0%	3.8	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	32	47	15	45.6%	2.3	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	3	3	0	13.3%	0.2	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	1	3	2	180.0%	1.3	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	1	0	-1	-60.0%	0.7	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	5	0	-5	-100.0%	3.2	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	3	1	-2	-80.0%	1.8	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	1	1		1.5	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	11	15	4	38.2%	1.2	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	22	14	-8	-34.5%	1.8	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	7	7		3.6	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	1	5	4	440.0%	2.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	10	9	-1	-12.0%	0.4	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	1	1		1.1	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	2	4	2	120.0%	1.3	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	0	4	4		2.8	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	22	14	-8	-34.5%	1.8	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	9	10	1	11.1%	0.3	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	1	0	-1	-100.0%	1.4	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	6	8	2	30.0%	0.7	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	5	2	-3	-60.0%	1.6	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	22	14	-8	-34.5%	1.8	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	1	0	-1	-100.0%	1.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	6	8	2	30.0%	0.7	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	3	0	-3	-93.3%	2.2	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	19	14	-5	-26.3%	1.2	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	4	8	4	95.0%	1.6	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	0	1	1		1.1	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	6	8	2	36.7%	0.8	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	11	18	7	63.6%	1.8	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	1	2	1	60.0%	0.5	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	6	1	-5	-76.7%	2.4	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	11	9	-2	-21.8%	0.8	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	1	1		1.1	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	2	4	2	120.0%	1.3	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	18	26	8	43.3%	1.7	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	1	1	0	-40.0%	0.4	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	10	8	-2	-22.0%	0.7	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	2	2	0	-20.0%	0.3	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	6	11	5	76.7%	1.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	17	27	10	58.8%	2.1	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	3	3	0	0.0%	0.0	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	8	12	4	50.0%	1.3	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	0	0		0.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	17	19	2	10.6%	0.4	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	1	1	0	20.0%	0.2	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	2	0	-2	-90.0%	1.7	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	4	6	2	45.0%	0.8	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	24	38	14	58.3%	2.5	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	5	1	-4	-80.0%	2.3	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	7	7	0	-5.7%	0.2	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	3	12	9	293.3%	3.2	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	7	5	-2	-25.7%	0.7	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	35	46	11	30.3%	1.7	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	6	3	-3	-53.3%	1.5	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	1	1	0	-40.0%	0.4	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	11	17	6	54.5%	1.6	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	37	72	35	95.1%	4.8	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	49	49	0	0.0%	0.0	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	21	24	3	14.3%	0.6	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	28	38	10	35.0%	1.7	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	1	3	2	160.0%	1.2	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	1	5	4	440.0%	2.5	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	60	63	3	4.3%	0.3	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	66	72	6	9.7%	0.8	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	38	6	-32	-83.7%	6.8	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	0	-1	-60.0%	0.7	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	88	96	8	8.6%	0.8	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	0	5	5		3.0	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	6	13	7	113.3%	2.2	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:811z	63	73	10	15.2%	1.2	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	51	58	7	14.1%	1.0	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	46	31	-15	-32.6%	2.4	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	1	1	0	0.0%	0.0	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	75	86	11	14.4%	1.2	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.6	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.9	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	91	104	13	14.1%	1.3	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	0	3	3		2.4	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	1	1		1.1	Pass Low



**Vehicle Flow Information  
Validation Statistics  
LGV Vehicles  
AM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	1	2	1	140.0%	1.1	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	22	35	13	60.9%	2.5	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	4	12	8	195.0%	2.8	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	17	8	-9	-50.6%	2.4	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	6	7	1	16.7%	0.4	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	54	60	6	10.4%	0.7	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	1	0	-1	-100.0%	1.4	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	2	2	0	20.0%	0.3	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	166	233	67	40.4%	4.7	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	174	214	40	22.8%	2.8	Pass Low
169	2	Haven Bridge	NE	SW	872:50	100	96	-4	-4.0%	0.4	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	125	176	51	40.5%	4.1	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	99	104	5	5.1%	0.5	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	77	89	12	15.6%	1.3	Pass Low
175	5	North Denes Rd	S	N	1270:559	19	10	-9	-46.3%	2.3	Pass Low
176	5	North Denes Rd	N	S	559:1270	27	17	-10	-38.5%	2.2	Pass Low
177	6	North Drive	S	N	1262:557	17	24	7	38.8%	1.5	Pass Low
178	6	North Drive	N	S	557:1262	48	46	-2	-3.7%	0.3	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	103	100	-3	-2.5%	0.3	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	33	54	21	63.6%	3.2	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	246	296	50	20.2%	3.0	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	169	188	19	11.2%	1.4	Pass Low
187	11	South Denes Rd	S	N	681:678	18	9	-9	-47.8%	2.3	Pass Low
188	11	South Denes Rd	N	S	678:681	27	30	3	11.9%	0.6	Pass Low
189	12	South Beach Parade	S	N	674:672	2	6	4	220.0%	2.1	Pass Low
190	12	South Beach Parade	N	S	672:674	10	10	0	-2.0%	0.1	Pass Low
195	17	Southtown Rd	S	N	419:420	48	60	12	24.2%	1.6	Pass Low
196	17	Southtown Rd	N	S	420:419	33	30	-3	-9.7%	0.6	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	21	37	16	75.2%	2.9	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	61	89	28	46.2%	3.3	Pass Low
199	19	Euston Rd	E	W	532:339	16	22	6	36.3%	1.3	Pass Low
200	19	Euston Rd	W	E	339:532	10	17	7	70.0%	1.9	Pass Low
201	20	Acle New Rd	SE	NW	12:1	134	188	54	40.1%	4.2	Pass Low
202	20	Acle New Rd	NW	SE	1:12	124	167	43	34.5%	3.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	65	120	55	84.0%	3.3	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	570	658	88	15.4%	2.0	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	2409	2336	-73	-3.0%	0.9	Pass Mid
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	43	36	-7	-17.2%	0.7	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	14	28	14	102.9%	1.8	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	146	138	-8	-5.2%	0.4	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	491	548	57	11.5%	1.4	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	606	542	-64	-10.5%	1.5	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	422	378	-44	-10.4%	1.3	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	3	0	-3	-93.3%	1.3	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	464	448	-16	-3.4%	0.4	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	1355	1162	-193	-14.2%	3.1	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	850	955	105	12.4%	2.0	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	500	584	84	16.9%	2.1	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	18	12	-6	-32.2%	0.9	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:21:210	40	40	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	913	860	-53	-5.8%	1.0	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	1549	1528	-21	-1.4%	0.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	26	26	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	49	48	-1	-2.4%	0.1	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	64	57	-7	-10.9%	0.5	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	700	723	23	3.3%	0.5	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	103	92	-11	-10.3%	0.6	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	184	200	16	8.9%	0.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	2386	2312	-74	-3.1%	0.9	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	1759	1726	-33	-1.9%	0.5	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	140	135	-5	-3.9%	0.3	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	1774	1878	104	5.9%	1.4	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	474	434	-40	-8.4%	1.1	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	2450	2414	-36	-1.5%	0.4	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	992	1004	12	1.2%	0.2	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	289	203	-86	-29.8%	3.2	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	1105	1273	168	15.2%	2.8	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	623	443	-180	-28.8%	4.5	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	2619	2497	-122	-4.7%	1.4	Pass Mid
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	1660	1752	92	5.6%	1.3	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	218	220	2	0.9%	0.1	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	941	1066	125	13.3%	2.3	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	737	688	-49	-6.7%	1.1	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	94	142	48	51.1%	2.6	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	717	777	60	8.4%	1.3	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	2676	2773	97	3.6%	1.1	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	269	258	-11	-4.0%	0.4	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	531	595	64	12.0%	1.6	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	24	19	-5	-22.5%	0.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	128	125	-3	-2.2%	0.1	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	280	257	-23	-8.3%	0.8	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	3661	3725	64	1.7%	0.6	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	681	760	79	11.6%	1.7	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	704	788	84	11.9%	1.8	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	275	171	-104	-37.7%	4.0	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	353	231	-122	-34.6%	4.1	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	260	230	-30	-11.7%	1.1	Pass Low
65	5	Hall Quay	A	B	37z:44:52	842	791	-51	-6.0%	1.0	Pass Low
66	5	Hall Quay	B	A	52:44:37z	577	602	25	4.4%	0.6	Pass Low
67	5	Hall Quay	B	C	52:97z:51	1995	1886	-109	-5.5%	1.4	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	1402	1347	-55	-3.9%	0.9	Pass Low
69	5	Hall Quay	C	B	51:44:52	1775	1618	-157	-8.8%	2.2	Pass Low
70	6	Station Access	A	B	114:4:92z	2714	2735	21	0.8%	0.2	Pass Mid
71	6	Station Access	A	C	114:4:91	239	240	1	0.3%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	2975	2967	-8	-0.3%	0.1	Pass Mid
73	6	Station Access	B	C	92z:4:91	386	369	-17	-4.3%	0.5	Pass Low
74	6	Station Access	C	A	91:4:114	408	376	-32	-7.9%	0.9	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	30	16	-14	-46.7%	1.7	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	601	609	8	1.4%	0.2	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	227	216	-11	-4.7%	0.4	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	92	97	5	5.4%	0.3	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	64	26	-38	-59.7%	3.3	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	23	82	59	255.7%	4.7	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	29	52	23	78.6%	2.1	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	29	37	8	27.6%	0.8	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	13	24	11	84.6%	1.5	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	3	1	-2	-73.3%	0.9	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	783	547	-236	-30.2%	5.3	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	90	132	42	47.1%	2.3	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	201	195	-6	-2.9%	0.2	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	104	60	-44	-42.3%	2.8	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	362	301	-61	-17.0%	1.9	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	182	121	-61	-33.4%	2.9	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-60.0%	0.4	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	62	116	54	86.5%	3.3	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	78	52	-26	-33.6%	1.9	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	184	270	86	46.6%	3.3	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	359	330	-29	-8.0%	0.9	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	40	60	20	49.5%	1.6	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	41	17	-24	-58.0%	2.5	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	37	45	8	20.5%	0.7	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	62	14	-48	-77.7%	4.5	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	67	72	5	7.2%	0.3	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	45	21	-24	-52.9%	2.4	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	738	703	-35	-4.8%	0.8	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	229	253	24	10.5%	0.9	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	1015	1047	32	3.1%	0.6	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	734	748	14	2.0%	0.3	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	193	226	33	17.3%	1.3	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	590	733	143	24.3%	3.2	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	152	149	-3	-2.2%	0.2	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	65	21	-44	-68.3%	3.9	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	98	50	-48	-49.0%	3.2	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	111	131	20	18.4%	1.1	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	644	554	-90	-13.9%	2.1	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	1239	1195	-44	-3.6%	0.7	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	91	104	13	14.7%	0.8	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	1234	1133	-101	-8.2%	1.7	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	251	243	-8	-3.0%	0.3	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	79	134	55	69.9%	3.1	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	1762	1693	-69	-3.9%	1.0	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	165	216	51	31.2%	2.1	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	748	704	-44	-5.9%	1.0	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	415	549	134	32.3%	3.5	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	925	926	1	0.1%	0.0	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	10	17	7	68.0%	1.1	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	361	386	25	6.9%	0.7	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	258	279	21	8.1%	0.7	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	23	26	3	12.2%	0.3	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	25	93	68	270.4%	5.1	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	308	314	6	1.9%	0.2	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	217	176	-41	-19.0%	1.7	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	8	28	20	245.0%	2.7	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	206	221	15	7.2%	0.6	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	94	87	-7	-7.7%	0.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	215	219	4	1.8%	0.1	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	102	145	43	42.5%	2.3	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.5	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	883	756	-127	-14.4%	2.6	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	372	370	-2	-0.5%	0.1	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	135	89	-46	-34.1%	2.5	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	1964	1931	-33	-1.7%	0.4	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	1374	1383	9	0.6%	0.1	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	137	176	39	28.2%	1.8	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	987	1113	126	12.7%	2.2	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	61	14	-47	-77.7%	4.5	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	71	36	-35	-49.3%	2.8	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	186	38	-148	-79.4%	8.0	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	112	37	-75	-67.1%	5.0	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	166	231	65	38.9%	2.6	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	913	762	-151	-16.5%	3.0	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	530	633	103	19.4%	2.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	475	534	59	12.4%	1.5	Pass Low
174	4	Northgate Street	N	S	543:1365	1250	1215	-35	-2.8%	0.6	Pass Low
181	8	Burgh Rd	W	E	1057:1051	603	595	-8	-1.4%	0.2	Pass Low
182	8	Burgh Rd	E	W	1051:1057	491	479	-12	-2.4%	0.3	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	1466	1401	-65	-4.4%	1.0	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	913	864	-49	-5.3%	0.9	Pass Low
193	14	Caister Road	S	N	369:536	1595	1579	-16	-1.0%	0.2	Pass Low
194	14	Caister Road	N	S	536:369	2857	2866	9	0.3%	0.1	Pass Mid
203	16	Gapton Hall Retail Park	A	C	306:298:560z	1336	1255	-81	-6.0%	1.3	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	466	410	-56	-11.9%	1.5	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	1453	1637	184	12.6%	2.7	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	144	162	18	12.8%	0.9	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	288	265	-23	-8.1%	0.8	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	119	106	-13	-11.1%	0.7	Pass Low
209	21	Matalan Access	exit		85:82	39	41	2	6.2%	0.2	Pass Low
210	21	Matalan Access		access	82:85	57	52	-5	-8.4%	0.4	Pass Low
211	22	Station Road	exit		78:79	492	548	56	11.3%	1.4	Pass Low
212	22	Station Road		access	79:78	189	280	91	48.1%	3.4	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	138	112	-26	-19.1%	1.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	56	40	-16	-29.3%	1.4	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	598	499	-99	-16.6%	2.4	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	144	116	-28	-19.7%	1.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	146	115	-31	-21.2%	1.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	1034	1188	154	14.9%	2.7	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	42	20	-22	-53.3%	2.3	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	107	96	-11	-10.1%	0.6	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	233	237	4	1.5%	0.1	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	692	524	-168	-24.2%	3.9	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	1554	1915	361	23.2%	5.0	Fail Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	442	427	-15	-3.5%	0.4	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	519	518	-1	-0.2%	0.0	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	851	1009	158	18.6%	3.0	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	78	79	1	1.3%	0.1	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	524	609	85	16.3%	2.1	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	158	121	-37	-23.2%	1.8	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	45	13	-32	-71.1%	3.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	16	9	-7	-45.0%	1.2	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	18	3	-15	-83.3%	2.7	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	19	7	-12	-63.2%	1.9	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	160	258	98	61.0%	3.9	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	11	12	1	7.3%	0.1	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	15	14	-1	-9.3%	0.2	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	21	15	-6	-29.5%	0.8	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	194	144	-50	-25.6%	2.2	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	2	1	-1	-40.0%	0.4	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	5	6	1	20.0%	0.2	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	5	1	-4	-80.0%	1.3	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	34	32	-2	-7.1%	0.2	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	34	33	-1	-4.1%	0.1	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	231	194	-37	-15.8%	1.4	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	47	36	-11	-23.4%	1.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	129	96	-33	-25.6%	1.8	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	136	154	18	13.4%	0.9	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	196	194	-2	-1.0%	0.1	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	663	633	-30	-4.5%	0.7	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	402	340	-62	-15.4%	1.9	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	199	187	-12	-6.0%	0.5	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	106	152	46	43.0%	2.3	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	835	927	92	11.0%	1.8	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	88	58	-30	-33.9%	2.0	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	55	48	-7	-13.5%	0.6	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	19	6	-13	-67.4%	2.1	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	44	2	-42	-95.0%	5.0	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	75	20	-55	-72.8%	4.6	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	26	26		4.2	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	282	326	44	15.5%	1.4	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	396	398	2	0.6%	0.1	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	1	159	158	#####	10.2	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	57	111	54	94.7%	3.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	236	202	-34	-14.3%	1.3	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	12	12		2.8	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	72	93	21	29.7%	1.4	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	29	86	57	197.9%	4.4	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.4	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	379	405	26	6.9%	0.8	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	125	170	45	35.8%	2.1	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	5	0	-5	-92.0%	1.6	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	138	133	-5	-3.3%	0.2	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	90	60	-30	-33.1%	2.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	4	2	-2	-45.0%	0.6	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	396	397	1	0.3%	0.0	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	10	4	-6	-58.0%	1.3	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	123	134	11	8.9%	0.6	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	36	29	-7	-20.6%	0.8	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	348	369	21	6.1%	0.7	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	127	130	3	2.0%	0.1	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	10	7	-3	-34.0%	0.7	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	127	106	-21	-16.4%	1.1	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	309	306	-3	-1.1%	0.1	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	22	14	-8	-38.2%	1.1	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	51	18	-33	-63.9%	3.2	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	175	143	-32	-18.1%	1.4	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	6	4	-2	-26.7%	0.4	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	62	45	-17	-27.4%	1.3	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	442	409	-33	-7.4%	0.9	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	3	3	0	-13.3%	0.1	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	19	20	1	4.2%	0.1	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	180	149	-31	-17.4%	1.4	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	14	14	0	2.9%	0.1	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	149	165	16	10.9%	0.7	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	491	436	-55	-11.2%	1.5	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	22	19	-3	-15.5%	0.4	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	69	64	-5	-7.0%	0.3	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	15	5	-10	-68.0%	1.9	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	235	199	-36	-15.3%	1.4	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	6	8	2	40.0%	0.5	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	5	4	-1	-28.0%	0.4	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.4	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	103	141	38	37.1%	2.0	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	664	614	-50	-7.5%	1.1	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	62	12	-50	-80.0%	4.7	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	70	162	92	132.0%	4.9	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	37	219	182	493.0%	9.3	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	142	130	-12	-8.2%	0.6	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	558	535	-23	-4.1%	0.6	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	81	46	-35	-43.2%	2.5	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	23	19	-4	-19.1%	0.6	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	313	322	9	2.8%	0.3	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	1040	1174	134	12.8%	2.3	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	723	916	193	26.7%	3.9	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	258	457	199	77.0%	6.1	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	551	608	57	10.4%	1.4	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	29	54	25	85.5%	2.2	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	20	73	53	265.0%	4.5	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	1182	1184	2	0.1%	0.0	Pass Low
325	unction	ccles Road/Malthouse Lane/Alpha Rd	115		885:901:913	984	1371	387	39.4%	6.5	Fail Low
326	unction	ccles Road/Malthouse Lane/Alpha Rd	116		885:901:927	300	61	-239	-79.5%	10.2	Pass Low
327	unction	ccles Road/Malthouse Lane/Alpha Rd	117		927:913:914	5	2	-3	-60.0%	0.9	Pass Low
328	unction	ccles Road/Malthouse Lane/Alpha Rd	118		911:912:887	1704	1676	-28	-1.7%	0.4	Pass Low
329	unction	ccles Road/Malthouse Lane/Alpha Rd	119		911:912:972	21	115	94	448.6%	6.6	Pass Low
330	unction	ccles Road/Malthouse Lane/Alpha Rd	120		972:912:887	111	124	13	11.4%	0.7	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	974	999	25	2.5%	0.5	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	766	963	197	25.7%	3.9	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	968	821	-147	-15.2%	2.8	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	3	36	33	1113.3%	4.3	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	1315	1363	48	3.7%	0.8	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	5	1	-4	-76.0%	1.2	Pass Low





**Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
AM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	7	6	-1	-20.0%	0.3	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	14	26	12	87.1%	1.6	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	1759	2037	278	15.8%	3.7	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	30	53	23	78.0%	2.1	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	2	13	11	570.0%	2.4	Pass Low



Vehicle Flow Information  
Validation Statistics  
All Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	71	88	17	24.2%	1.1	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	496	544	48	9.6%	1.2	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	140	154	14	9.7%	0.6	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	197	207	10	5.1%	0.4	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	164	102	-62	-37.7%	3.1	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	1089	1253	164	15.1%	2.8	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	25	0	-25	-100.0%	4.1	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	96	98	2	2.1%	0.1	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	3549	3745	196	5.5%	1.9	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	3674	3888	214	5.8%	2.0	Pass Mid
169	2	Haven Bridge	NE	SW	872:50	1898	1886	-12	-0.6%	0.2	Pass Low
170	2	Haven Bridge	SW	NE	50:872	2746	2975	229	8.3%	2.5	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	2245	2551	306	13.6%	3.6	Pass Mid
172	3	Lawn Avenue	SW	NE	368:370	1598	1565	-33	-2.1%	0.5	Pass Low
175	5	North Denes Rd	S	N	1270:559	419	263	-156	-37.3%	4.9	Pass Low
176	5	North Denes Rd	N	S	559:1270	718	619	-99	-13.8%	2.2	Pass Low
177	6	North Drive	S	N	1262:557	394	401	7	1.9%	0.2	Pass Low
178	6	North Drive	N	S	557:1262	969	965	-4	-0.4%	0.1	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	2232	2139	-93	-4.2%	1.2	Pass Mid
180	7	Gapton Hall Road	NE	SW	1068:1067	725	797	72	9.9%	1.5	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	4926	5291	365	7.4%	2.9	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	3120	3120	0	0.0%	0.0	Pass Mid
187	11	South Denes Rd	S	N	681:678	336	163	-173	-51.5%	6.3	Pass Low
188	11	South Denes Rd	N	S	678:681	620	454	-166	-26.7%	4.1	Pass Low
189	12	South Beach Parade	S	N	674:672	73	131	58	78.9%	3.3	Pass Low
190	12	South Beach Parade	N	S	672:674	229	275	46	20.0%	1.7	Pass Low
195	17	Southtown Rd	S	N	419:420	1182	1070	-112	-9.5%	1.9	Pass Low
196	17	Southtown Rd	N	S	420:419	740	573	-167	-22.5%	3.8	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	533	618	85	15.9%	2.0	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	1590	1606	16	1.0%	0.2	Pass Low
199	19	Euston Rd	E	W	532:339	335	432	97	29.1%	2.9	Pass Low
200	19	Euston Rd	W	E	339:532	249	263	14	5.6%	0.5	Pass Low
201	20	Acle New Rd	SE	NW	12:1	3071	3341	270	8.8%	2.8	Pass Mid
202	20	Acle New Rd	NW	SE	1:12	2616	2716	100	3.8%	1.1	Pass Mid



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	51	100	49	96.9%	3.3	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	503	567	64	12.8%	1.6	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	1996	1934	-62	-3.1%	0.8	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	35	31	-4	-10.3%	0.4	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	10	23	13	134.0%	1.9	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	121	118	-3	-2.8%	0.2	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	389	437	48	12.3%	1.4	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	446	436	-10	-2.3%	0.3	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	285	315	30	10.6%	1.0	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	3	0	-3	-93.3%	1.3	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	318	319	1	0.3%	0.0	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	1026	928	-98	-9.5%	1.8	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	708	738	30	4.2%	0.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	359	438	79	22.1%	2.3	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	11	9	-2	-14.5%	0.3	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:21:210	32	32	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	685	652	-33	-4.8%	0.7	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	1200	1184	-16	-1.4%	0.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	19	19	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	24	24	0	1.7%	0.0	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	38	36	-2	-4.7%	0.2	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	492	506	14	2.8%	0.4	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	84	74	-10	-12.1%	0.7	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	164	180	16	9.8%	0.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	1948	1910	-38	-2.0%	0.5	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	1344	1336	-8	-0.6%	0.1	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	112	110	-2	-1.4%	0.1	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	1415	1505	90	6.3%	1.4	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	357	349	-8	-2.3%	0.3	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	1941	1921	-20	-1.0%	0.3	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	817	824	7	0.9%	0.1	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	213	160	-53	-25.1%	2.3	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	856	1012	156	18.2%	2.9	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	477	344	-133	-28.0%	3.8	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	2048	1955	-93	-4.5%	1.2	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	1345	1448	103	7.7%	1.6	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	183	184	1	0.4%	0.0	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	763	858	95	12.5%	1.9	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	630	589	-41	-6.6%	1.0	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	73	105	32	43.3%	1.9	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	603	602	-1	-0.1%	0.0	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	2123	2258	135	6.3%	1.7	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	163	160	-3	-1.7%	0.1	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	413	454	41	10.0%	1.1	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	22	17	-5	-23.6%	0.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	102	109	7	7.1%	0.4	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	193	192	-1	-0.6%	0.0	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	3024	3019	-5	-0.2%	0.0	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	619	681	62	10.0%	1.4	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	511	584	73	14.4%	1.8	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	114	131	17	14.7%	0.9	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	207	197	-10	-4.7%	0.4	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	104	106	2	2.3%	0.1	Pass Low
65	5	Hall Quay	A	B	37z:44:52	647	607	-40	-6.2%	0.9	Pass Low
66	5	Hall Quay	B	A	52:44:37z	387	450	63	16.2%	1.8	Pass Low
67	5	Hall Quay	B	C	52:97z:51	1530	1539	9	0.6%	0.1	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	1138	1129	-9	-0.8%	0.2	Pass Low
69	5	Hall Quay	C	B	51:44:52	1433	1312	-121	-8.5%	1.9	Pass Low
70	6	Station Access	A	B	114:4:92z	2099	2135	36	1.7%	0.5	Pass Low
71	6	Station Access	A	C	114:4:91	218	217	-1	-0.6%	0.1	Pass Low
72	6	Station Access	B	A	92z:4:114	2332	2343	11	0.5%	0.1	Pass Mid
73	6	Station Access	B	C	92z:4:91	366	350	-16	-4.4%	0.5	Pass Low
74	6	Station Access	C	A	91:4:114	366	338	-28	-7.6%	0.9	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	20	9	-11	-56.0%	1.7	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	455	518	63	13.9%	1.7	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	190	188	-2	-0.8%	0.1	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	77	71	-6	-7.3%	0.4	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	47	16	-31	-65.1%	3.1	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	22	73	51	233.6%	4.3	Pass Low



**Vehicle Flow Information**  
**Calibration Statistics**  
**Car Vehicles**  
**AM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	24	42	18	74.2%	1.8	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	26	30	4	16.2%	0.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	13	20	7	52.3%	1.0	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	3	1	-2	-73.3%	0.9	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	640	493	-147	-23.0%	3.6	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	76	103	27	35.5%	1.6	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	179	176	-3	-1.6%	0.1	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	88	54	-34	-38.4%	2.3	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	305	261	-44	-14.4%	1.5	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	163	101	-62	-38.3%	3.1	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-100.0%	0.8	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	46	94	48	103.9%	3.3	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	69	39	-30	-43.8%	2.4	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	152	208	56	37.0%	2.4	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	319	292	-27	-8.5%	0.9	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	32	50	18	55.0%	1.6	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	33	15	-18	-55.8%	2.2	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	25	16	-9	-34.4%	1.1	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	49	9	-40	-82.0%	4.3	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	56	60	4	6.8%	0.3	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	41	19	-22	-53.7%	2.3	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	577	626	49	8.5%	1.2	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	162	193	31	19.3%	1.4	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	854	893	39	4.6%	0.8	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	570	583	13	2.4%	0.3	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	126	190	64	50.6%	2.9	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	440	567	127	28.8%	3.3	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	120	118	-2	-1.3%	0.1	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	57	19	-38	-67.0%	3.6	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	81	43	-38	-47.4%	2.8	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	90	127	37	40.7%	2.0	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	479	454	-25	-5.1%	0.7	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	957	954	-3	-0.3%	0.1	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	83	98	15	18.1%	0.9	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	1002	945	-57	-5.7%	1.1	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	211	179	-32	-15.0%	1.3	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	61	112	51	84.3%	3.2	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	1425	1387	-38	-2.7%	0.6	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	130	190	60	46.2%	2.7	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	632	580	-52	-8.2%	1.2	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	332	448	116	35.1%	3.4	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	713	723	10	1.4%	0.2	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	9	14	5	60.0%	0.9	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	318	346	28	8.9%	0.9	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	226	241	15	6.5%	0.6	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	17	24	7	40.0%	0.9	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	19	80	61	320.0%	5.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	248	274	26	10.4%	0.9	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	187	153	-34	-18.3%	1.5	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	7	20	13	188.6%	2.1	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	155	181	26	16.6%	1.1	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	81	75	-6	-7.9%	0.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	167	178	11	6.6%	0.5	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	88	117	29	32.5%	1.6	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.5	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	757	654	-103	-13.6%	2.2	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	305	300	-5	-1.5%	0.2	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	103	79	-24	-23.5%	1.5	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	1517	1476	-41	-2.7%	0.6	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	1170	1190	20	1.7%	0.3	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	110	149	39	35.8%	2.0	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	656	807	151	23.0%	3.2	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	52	12	-40	-76.2%	4.0	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	61	34	-27	-43.9%	2.2	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	144	27	-117	-81.5%	7.3	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	84	33	-51	-60.7%	3.8	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	135	197	62	45.6%	2.8	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	746	632	-114	-15.3%	2.5	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	450	547	97	21.6%	2.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	406	430	24	5.9%	0.7	Pass Low
174	4	Northgate Street	N	S	543:1365	1069	1038	-31	-2.9%	0.5	Pass Low
181	8	Burgh Rd	W	E	1057:1051	527	523	-4	-0.7%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	427	419	-8	-1.9%	0.2	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	1193	1145	-48	-4.0%	0.8	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	743	695	-48	-6.4%	1.0	Pass Low
193	14	Caister Road	S	N	369:536	1298	1260	-38	-2.9%	0.6	Pass Low
194	14	Caister Road	N	S	536:369	2324	2360	36	1.6%	0.4	Pass Mid
203	16	Gapton Hall Retail Park	A	C	306:298:560z	1081	993	-88	-8.1%	1.6	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	404	357	-47	-11.6%	1.4	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	1227	1335	108	8.8%	1.7	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	129	146	17	13.2%	0.8	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	240	222	-18	-7.7%	0.7	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	94	83	-11	-12.1%	0.7	Pass Low
209	21	Matalan Access	exit		85:82	33	36	3	9.7%	0.3	Pass Low
210	21	Matalan Access		access	82:85	52	46	-6	-11.9%	0.5	Pass Low
211	22	Station Road	exit		78:79	438	455	17	3.9%	0.5	Pass Low
212	22	Station Road		access	79:78	169	243	74	43.8%	3.0	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	118	100	-18	-15.6%	1.0	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	47	35	-12	-26.0%	1.1	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	498	426	-72	-14.5%	1.9	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	129	98	-31	-24.0%	1.7	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	111	96	-15	-13.3%	0.8	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	774	928	154	19.9%	3.0	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	33	17	-16	-49.1%	1.9	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	78	81	3	3.3%	0.2	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	162	165	3	1.6%	0.1	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	597	451	-146	-24.5%	3.7	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	1299	1585	286	22.0%	4.3	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	369	343	-26	-7.0%	0.8	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	438	411	-27	-6.2%	0.8	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	710	812	102	14.4%	2.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	59	65	6	10.5%	0.5	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	440	507	67	15.3%	1.8	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	140	102	-38	-26.9%	2.0	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	35	12	-23	-65.7%	2.7	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	13	8	-5	-36.9%	0.9	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	16	3	-13	-83.8%	2.5	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	16	6	-10	-61.3%	1.7	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	150	228	78	51.7%	3.3	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	10	11	1	6.0%	0.1	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	12	13	1	8.3%	0.2	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	17	13	-4	-21.2%	0.5	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	165	126	-39	-23.8%	1.9	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	1	1	0	-20.0%	0.1	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	5	5	0	0.0%	0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	5	1	-4	-88.0%	1.5	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	22	25	3	14.5%	0.4	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	25	27	2	8.8%	0.2	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	191	155	-36	-18.6%	1.6	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	40	30	-10	-25.5%	1.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	111	79	-32	-28.6%	1.9	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	121	139	18	15.2%	0.9	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	175	169	-6	-3.7%	0.3	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	564	534	-30	-5.3%	0.7	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	323	255	-68	-21.1%	2.3	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	177	164	-13	-7.2%	0.6	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	98	102	4	4.5%	0.3	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	697	772	75	10.8%	1.6	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	73	45	-28	-37.8%	2.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	50	40	-10	-20.0%	0.9	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	16	5	-11	-66.3%	1.9	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	28	2	-26	-92.9%	3.9	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	45	18	-27	-60.4%	2.8	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	23	23		3.9	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	239	275	36	15.1%	1.3	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	354	346	-8	-2.3%	0.2	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	144	144		9.8	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	53	84	31	58.5%	2.2	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	196	180	-16	-8.4%	0.7	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	11	11		2.7	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	65	84	19	28.6%	1.2	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	27	66	39	143.7%	3.3	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.4	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	335	364	29	8.7%	0.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	111	147	36	32.1%	1.8	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	3	0	-3	-86.7%	1.2	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	114	102	-12	-10.7%	0.7	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	77	52	-25	-32.2%	1.8	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	4	2	-2	-50.0%	0.7	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	352	345	-7	-2.1%	0.2	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	6	3	-3	-43.3%	0.7	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	99	102	3	3.2%	0.2	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	32	28	-4	-13.1%	0.4	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	310	318	8	2.5%	0.3	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	55	75	20	37.1%	1.5	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	4	6	2	40.0%	0.4	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	105	84	-21	-19.8%	1.2	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	212	213	1	0.7%	0.1	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	10	9	-1	-10.0%	0.2	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	24	13	-11	-47.5%	1.5	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	74	84	10	14.1%	0.7	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	4	3	-1	-15.0%	0.2	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	58	33	-25	-43.1%	2.1	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	316	295	-21	-6.5%	0.7	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	3	2	-1	-20.0%	0.2	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	14	13	-1	-8.6%	0.2	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	82	86	4	5.4%	0.3	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	7	11	4	51.4%	0.7	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	125	122	-3	-2.1%	0.1	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	370	318	-52	-14.1%	1.6	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	13	11	-2	-18.5%	0.4	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	52	25	-27	-51.9%	2.5	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	5	2	-3	-56.0%	0.9	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	130	106	-24	-18.5%	1.3	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	3	5	2	53.3%	0.5	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	2	3	1	60.0%	0.4	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.4	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	90	118	28	31.1%	1.6	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	520	451	-69	-13.3%	1.8	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	42	10	-32	-76.2%	3.6	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	56	126	70	125.4%	4.2	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	31	175	144	465.2%	8.2	Pass Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	125	116	-9	-7.4%	0.5	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	465	432	-33	-7.1%	0.9	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	70	40	-30	-43.4%	2.4	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	20	17	-3	-14.0%	0.4	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	267	274	7	2.5%	0.2	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	867	924	57	6.6%	1.1	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	565	764	199	35.2%	4.4	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	203	377	174	85.7%	5.9	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	453	487	34	7.5%	0.9	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	22	45	23	103.6%	2.3	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	16	61	45	278.8%	4.2	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	1015	999	-16	-1.6%	0.3	Pass Low
325	nction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	778	1140	362	46.5%	6.7	Fail Low
326	nction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	226	50	-176	-77.8%	8.6	Pass Low
327	nction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	4	2	-2	-60.0%	0.8	Pass Low
328	nction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	1441	1393	-48	-3.3%	0.7	Pass Low
329	nction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	19	92	73	382.1%	5.6	Pass Low
330	nction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	98	86	-12	-11.8%	0.7	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:812	757	774	17	2.3%	0.4	Pass Low
332	nction	William Adams Way/Suffolk Road	123		811z:813:812	579	759	180	31.0%	4.0	Pass Low
333	nction	William Adams Way/Suffolk Road	124		811z:813:866	838	737	-101	-12.1%	2.1	Pass Low
334	nction	3 Pasteur Road/East Access/West A	143		103:260:258	0	34	34		4.7	Pass Low
335	nction	3 Pasteur Road/East Access/West A	144		103:260:272	1012	1075	63	6.2%	1.1	Pass Low
336	nction	3 Pasteur Road/East Access/West A	145		103:260:261	2	1	-1	-40.0%	0.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	1	5	4	420.0%	1.4	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	8	25	17	215.0%	2.4	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	1465	1689	224	15.3%	3.3	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	24	47	23	95.8%	2.2	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	12	11	1100.0%	2.5	Pass Low



**Vehicle Flow Information  
Validation Statistics  
Car Vehicles  
AM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	65	74	9	14.2%	0.6	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	393	446	53	13.5%	1.5	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	120	124	4	3.2%	0.2	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	162	164	2	1.1%	0.1	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	126	89	-37	-29.7%	2.1	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	922	1062	140	15.2%	2.6	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	23	0	-23	-100.0%	3.9	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	84	87	3	4.0%	0.2	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	2899	2957	58	2.0%	0.6	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	3026	3122	96	3.2%	1.0	Pass Mid
169	2	Haven Bridge	NE	SW	872:50	1536	1539	3	0.2%	0.0	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	2278	2449	171	7.5%	2.0	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	1895	2160	265	14.0%	3.4	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	1325	1258	-67	-5.1%	1.1	Pass Low
175	5	North Denes Rd	S	N	1270:559	367	238	-129	-35.0%	4.3	Pass Low
176	5	North Denes Rd	N	S	559:1270	631	578	-53	-8.4%	1.2	Pass Low
177	6	North Drive	S	N	1262:557	344	340	-4	-1.0%	0.1	Pass Low
178	6	North Drive	N	S	557:1262	830	843	13	1.6%	0.3	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	1916	1837	-79	-4.1%	1.0	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	614	624	10	1.6%	0.2	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	4035	4296	261	6.5%	2.3	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	2540	2465	-75	-3.0%	0.9	Pass Mid
187	11	South Denes Rd	S	N	681:678	250	97	-153	-61.2%	6.7	Pass Low
188	11	South Denes Rd	N	S	678:681	486	328	-158	-32.4%	4.5	Pass Low
189	12	South Beach Parade	S	N	674:672	62	96	34	55.2%	2.2	Pass Low
190	12	South Beach Parade	N	S	672:674	196	232	36	18.4%	1.4	Pass Low
195	17	Southtown Rd	S	N	419:420	981	896	-85	-8.6%	1.6	Pass Low
196	17	Southtown Rd	N	S	420:419	603	488	-115	-19.1%	2.8	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	462	516	54	11.6%	1.4	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	1299	1288	-11	-0.8%	0.2	Pass Low
199	19	Euston Rd	E	W	532:339	286	377	91	32.0%	2.9	Pass Low
200	19	Euston Rd	W	E	339:532	214	212	-2	-0.7%	0.1	Pass Low
201	20	Acle New Rd	SE	NW	12:1	2547	2697	150	5.9%	1.7	Pass Mid
202	20	Acle New Rd	NW	SE	1:12	2145	2115	-30	-1.4%	0.4	Pass Mid





Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	3	8	5	173.3%	1.3	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	5	18	13	252.0%	2.2	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	70	75	5	7.7%	0.4	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	4	0	-4	-90.0%	1.4	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	2	2		1.3	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	6	5	-1	-10.0%	0.1	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	17	32	15	87.1%	1.7	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	51	28	-23	-44.7%	2.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	73	10	-63	-86.0%	5.6	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	77	46	-31	-39.7%	2.2	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	55	50	-5	-9.5%	0.4	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	41	55	14	34.6%	1.2	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	57	44	-13	-22.8%	1.1	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	2	0	-2	-100.0%	1.2	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	3	3	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	81	69	-12	-14.6%	0.8	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	100	103	3	3.4%	0.2	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	2	2	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	8	8	0	0.0%	0.0	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	14	10	-4	-25.7%	0.6	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	86	88	2	2.3%	0.1	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	7	8	1	8.6%	0.1	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	5	0	-5	-100.0%	1.8	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	74	62	-12	-16.5%	0.9	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	110	93	-17	-15.5%	1.0	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	10	7	-3	-34.0%	0.7	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	70	82	12	16.9%	0.8	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	29	12	-17	-60.0%	2.2	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	115	127	12	10.1%	0.6	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	35	35	0	-1.1%	0.0	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	19	3	-16	-84.2%	2.8	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	67	67	0	0.0%	0.0	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	28	10	-18	-65.7%	2.5	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	148	139	-9	-5.9%	0.4	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	64	65	1	0.9%	0.0	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	7	6	-1	-11.4%	0.2	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	33	41	8	24.2%	0.8	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	19	24	5	27.4%	0.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	8	20	12	155.0%	1.9	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	28	57	29	105.0%	2.6	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	127	102	-25	-19.5%	1.3	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	35	54	19	54.3%	1.6	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	25	28	3	12.8%	0.4	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	1	1	0	-40.0%	0.3	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	14	1	-13	-90.0%	2.6	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	23	2	-21	-92.2%	3.5	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	136	165	29	21.5%	1.4	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	25	6	-19	-75.2%	2.7	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	57	57	0	0.7%	0.0	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	56	18	-38	-68.2%	3.6	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	48	0	-48	-99.6%	5.6	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	56	47	-9	-16.4%	0.7	Pass Low
65	5	Hall Quay	A	B	37z:44:52	59	72	13	21.7%	0.9	Pass Low
66	5	Hall Quay	B	A	52:44:37z	113	57	-56	-49.7%	3.5	Pass Low
67	5	Hall Quay	B	C	52:97z:51	162	104	-58	-35.8%	2.9	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	87	44	-43	-49.4%	3.1	Pass Low
69	5	Hall Quay	C	B	51:44:52	78	67	-11	-14.1%	0.7	Pass Low
70	6	Station Access	A	B	114:4:92z	155	149	-6	-3.7%	0.3	Pass Low
71	6	Station Access	A	C	114:4:91	8	10	2	20.0%	0.3	Pass Low
72	6	Station Access	B	A	92z:4:114	163	149	-14	-8.3%	0.6	Pass Low
73	6	Station Access	B	C	92z:4:91	4	4	0	-5.0%	0.1	Pass Low
74	6	Station Access	C	A	91:4:114	9	9	0	-4.4%	0.1	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	4	5	1	15.0%	0.2	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	74	14	-60	-81.1%	5.2	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	15	1	-14	-94.7%	2.9	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	7	14	7	94.3%	1.2	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	6	7	1	10.0%	0.1	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	0	0	0		0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	0	0		0.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	0	0		0.4	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	61	8	-53	-86.9%	5.2	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	6	8	2	33.3%	0.4	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	2	1	-1	-70.0%	0.7	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	5	0	-5	-100.0%	1.8	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	13	7	-6	-49.2%	1.2	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	5	5	0	-8.0%	0.1	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.4	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	12	6	-6	-48.3%	1.1	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	4	5	1	15.0%	0.2	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	16	22	6	35.0%	0.7	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	6	6	0	3.3%	0.0	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	2	0	-2	-80.0%	0.8	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	1	0	-1	-100.0%	0.8	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	6	1	-5	-80.0%	1.5	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	4	0	-4	-100.0%	1.6	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	2	2	0	-20.0%	0.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	0	0	0		0.0	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	85	6	-79	-92.7%	6.7	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	28	2	-26	-93.6%	3.9	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	74	34	-40	-54.1%	3.1	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	36	30	-6	-15.6%	0.6	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	23	10	-13	-56.5%	1.8	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	40	47	7	17.0%	0.6	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	4	9	5	130.0%	1.2	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	2	1	-1	-50.0%	0.5	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	3	0	-3	-100.0%	1.4	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	4	1	-3	-85.0%	1.3	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	76	25	-51	-67.4%	4.2	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	81	78	-3	-4.2%	0.2	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	1	0	-1	-100.0%	0.8	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	92	34	-58	-62.6%	4.2	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	12	4	-8	-70.0%	1.7	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	3	5	2	80.0%	0.7	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	71	68	-3	-4.5%	0.2	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	12	8	-4	-30.0%	0.7	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	62	32	-30	-48.7%	2.5	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	30	5	-25	-82.0%	3.4	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	88	70	-18	-20.2%	1.2	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	1	0	-1	-100.0%	0.8	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	9	0	-9	-100.0%	2.4	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	7	11	4	54.3%	0.7	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	2	0	-2	-100.0%	1.2	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.4	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	10	6	-4	-42.0%	0.9	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	9	0	-9	-100.0%	2.4	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	0	0	0		0.0	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	20	4	-16	-81.0%	2.7	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	5	2	-3	-52.0%	0.8	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	8	9	1	17.5%	0.3	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	3	8	5	166.7%	1.2	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	31	13	-18	-58.7%	2.2	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	14	9	-5	-35.7%	0.9	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	4	1	-3	-80.0%	1.2	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	133	136	3	2.6%	0.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	36	55	19	53.3%	1.6	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	5	2	-3	-60.0%	0.9	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	139	105	-34	-24.5%	1.8	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	1	0	-1	-80.0%	0.6	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	2	0	-2	-80.0%	0.8	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	11	0	-11	-98.2%	2.6	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	6	0	-6	-96.7%	1.9	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	7	6	-1	-17.1%	0.3	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	50	40	-10	-20.0%	0.9	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	12	12	0	-3.3%	0.1	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	19	23	4	18.9%	0.5	Pass Low
174	4	Northgate Street	N	S	543:1365	49	41	-8	-16.3%	0.7	Pass Low
181	8	Burgh Rd	W	E	1057:1051	21	20	-1	-2.9%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	20	17	-3	-13.0%	0.3	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	72	66	-6	-8.6%	0.4	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	45	44	-1	-2.2%	0.1	Pass Low
193	14	Caister Road	S	N	369:536	78	93	15	19.2%	0.9	Pass Low
194	14	Caister Road	N	S	536:369	141	137	-4	-2.8%	0.2	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	36	38	2	6.7%	0.2	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	12	12	0	0.0%	0.0	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	34	77	43	127.1%	3.3	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	0	0	0		0.0	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	10	9	-1	-14.0%	0.3	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	1	0	-1	-100.0%	0.8	Pass Low
209	21	Matalan Access	exit		85:82	3	4	1	20.0%	0.2	Pass Low
210	21	Matalan Access		access	82:85	2	3	1	40.0%	0.3	Pass Low
211	22	Station Road	exit		78:79	9	1	-8	-84.4%	1.9	Pass Low
212	22	Station Road		access	79:78	7	10	3	42.9%	0.6	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	8	3	-5	-62.5%	1.2	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	2	0	-2	-100.0%	1.2	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	11	3	-8	-74.5%	1.8	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	2	0	-2	-100.0%	1.2	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	6	9	3	56.7%	0.7	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	69	66	-3	-4.9%	0.2	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	1	0	-1	-100.0%	0.8	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	4	2	-2	-60.0%	0.8	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	9	11	2	26.7%	0.4	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	15	7	-8	-53.3%	1.4	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	53	77	24	46.0%	1.7	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	10	16	6	60.0%	1.0	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	20	37	17	87.0%	1.9	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	53	59	6	10.6%	0.4	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	7	0	-7	-97.1%	2.1	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	26	15	-11	-41.5%	1.4	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	5	8	3	64.0%	0.7	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	2	0	-2	-100.0%	1.2	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	2	0	-2	-90.0%	1.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0		0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	2	0	-2	-90.0%	1.0	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	0	0	0		0.4	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	0	0	0		0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	0	0		0.0	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	2	0	-2	-100.0%	1.2	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	6	5	-1	-20.0%	0.3	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0		0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	2	1	-1	-50.0%	0.5	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	1	0	-1	-80.0%	0.6	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	6	9	3	53.3%	0.7	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	1	0	-1	-100.0%	0.8	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	5	7	2	44.0%	0.5	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	1	0	-1	-80.0%	0.6	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	5	9	4	80.0%	0.9	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	25	16	-9	-36.0%	1.1	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	16	32	16	102.5%	1.9	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	3	5	2	60.0%	0.5	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	3	18	15	500.0%	2.7	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	51	44	-7	-13.3%	0.6	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	6	5	-1	-20.0%	0.3	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	2	1	-1	-70.0%	0.7	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	0	0	0		0.4	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	4	0	-4	-100.0%	1.6	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	12	1	-11	-88.3%	2.4	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	0	0		0.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	3	12	9	286.7%	1.8	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	5	12	7	148.0%	1.4	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	1	0	-1	-100.0%	0.8	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	1	11	10	1000.0%	2.4	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	3	1	-2	-80.0%	1.0	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	0	0		0.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	0	0	0		0.0	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	0	7	7		2.2	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	6	5	-1	-13.3%	0.2	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	1	0	-1	-100.0%	0.8	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	3	12	9	293.3%	1.9	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	0	0	0		0.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	6	12	6	106.7%	1.2	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	3	1	-2	-80.0%	1.0	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	3	12	9	293.3%	1.9	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	5	12	7	148.0%	1.4	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	57	30	-27	-47.4%	2.4	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	5	0	-5	-100.0%	1.8	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	3	5	2	53.3%	0.5	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	50	44	-6	-11.2%	0.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	7	0	-7	-100.0%	2.2	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	11	2	-9	-81.8%	2.0	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	67	32	-35	-52.2%	2.9	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	1	0	-1	-100.0%	0.8	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	0	3	3		1.4	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	55	49	-6	-10.9%	0.5	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	0	5	5		1.9	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	66	37	-29	-43.3%	2.3	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	1	0	-1	-100.0%	0.8	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	2	15	13	660.0%	2.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	54	50	-4	-6.7%	0.3	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	1	1	0	40.0%	0.2	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	1	5	4	400.0%	1.3	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	9	3	-6	-71.1%	1.5	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	61	38	-23	-37.7%	1.9	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	0	0		0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	0	0		0.0	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	0	7	7		2.2	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	55	66	11	20.0%	0.8	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	2	0	-2	-90.0%	1.0	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	0	11	11		2.7	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	2	11	9	440.0%	2.0	Pass Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	1	1	0	0.0%	0.0	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	7	7	0	2.9%	0.0	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	1	1	0	0.0%	0.0	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	0	0	0		0.0	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	7	9	2	25.7%	0.4	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	43	64	21	49.3%	1.7	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	41	39	-2	-4.9%	0.2	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	12	13	1	6.7%	0.1	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	19	31	12	65.3%	1.4	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	2	1	-1	-60.0%	0.6	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	0	1	1		1.0	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	21	40	19	92.4%	2.0	Pass Low
325	nction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	51	52	1	1.6%	0.1	Pass Low
326	nction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	7	1	-6	-85.7%	1.7	Pass Low
327	nction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	0	0	0		0.0	Pass Low
328	nction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	41	63	22	52.7%	1.7	Pass Low
329	nction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	1	9	8	820.0%	2.1	Pass Low
330	nction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	2	2	0	0.0%	0.0	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:811z	51	32	-19	-36.9%	1.7	Pass Low
332	nction	William Adams Way/Suffolk Road	123		811z:813:812	58	57	-1	-1.7%	0.1	Pass Low
333	nction	William Adams Way/Suffolk Road	124		811z:813:866	21	7	-14	-64.8%	2.1	Pass Low
334	nction	3 Pasteur Road/East Access/West Ad	143		103:260:258	2	0	-2	-100.0%	1.2	Pass Low
335	nction	3 Pasteur Road/East Access/West Ad	144		103:260:272	73	75	2	2.7%	0.1	Pass Low
336	nction	3 Pasteur Road/East Access/West Ad	145		103:260:261	2	0	-2	-100.0%	1.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	2	0	-2	-100.0%	1.2	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.4	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	64	80	16	25.6%	1.1	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	1	1	0	20.0%	0.1	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	0	-1	-100.0%	0.8	Pass Low



Vehicle Flow Information  
Validation Statistics  
HGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	1	6	5	500.0%	1.5	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	21	17	-4	-20.0%	0.6	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	3	2	-1	-46.7%	0.5	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	6	23	17	290.0%	2.6	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	20	1	-19	-95.0%	3.4	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	31	50	19	62.6%	1.8	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	0	0	0		0.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	1	1	0	20.0%	0.1	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	163	182	19	11.5%	0.8	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	140	175	35	24.9%	1.6	Pass Low
169	2	Haven Bridge	NE	SW	872:50	115	104	-11	-9.6%	0.6	Pass Low
170	2	Haven Bridge	SW	NE	50:872	138	111	-27	-19.3%	1.4	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	61	96	35	58.0%	2.3	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	56	73	17	30.7%	1.2	Pass Low
175	5	North Denes Rd	S	N	1270:559	13	0	-13	-100.0%	2.9	Pass Low
176	5	North Denes Rd	N	S	559:1270	19	1	-18	-96.8%	3.4	Pass Low
177	6	North Drive	S	N	1262:557	11	1	-10	-94.5%	2.5	Pass Low
178	6	North Drive	N	S	557:1262	36	13	-23	-62.8%	2.6	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	63	58	-5	-7.3%	0.3	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	20	18	-2	-8.0%	0.2	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	223	232	9	3.9%	0.3	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	128	153	25	19.2%	1.2	Pass Low
187	11	South Denes Rd	S	N	681:678	30	37	7	24.7%	0.7	Pass Low
188	11	South Denes Rd	N	S	678:681	41	52	11	26.3%	0.9	Pass Low
189	12	South Beach Parade	S	N	674:672	3	16	13	420.0%	2.4	Pass Low
190	12	South Beach Parade	N	S	672:674	9	13	4	46.7%	0.7	Pass Low
195	17	Southtown Rd	S	N	419:420	79	34	-45	-57.0%	3.5	Pass Low
196	17	Southtown Rd	N	S	420:419	58	8	-50	-85.9%	5.0	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	12	15	3	28.3%	0.5	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	129	96	-33	-25.4%	1.8	Pass Low
199	19	Euston Rd	E	W	532:339	8	6	-2	-25.0%	0.4	Pass Low
200	19	Euston Rd	W	E	339:532	6	9	3	56.7%	0.7	Pass Low
201	20	Acle New Rd	SE	NW	12:1	126	153	27	21.7%	1.3	Pass Low
202	20	Acle New Rd	NW	SE	1:12	125	149	24	19.4%	1.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	11	11	0	0.0%	0.0	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	62	73	11	17.4%	0.8	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	343	327	-16	-4.8%	0.5	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	4	4	0	-5.0%	0.1	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	4	3	-1	-35.0%	0.4	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	19	15	-4	-18.9%	0.5	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	85	79	-6	-7.3%	0.4	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	109	78	-31	-28.1%	1.8	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	64	53	-11	-17.8%	0.9	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	69	83	14	20.0%	0.9	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	274	184	-90	-32.9%	3.4	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	101	162	61	60.6%	3.1	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	84	102	18	21.4%	1.1	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	5	3	-2	-44.0%	0.6	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	5	5	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	147	138	-9	-5.9%	0.4	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	249	241	-8	-3.4%	0.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	5	5	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	17	15	-2	-9.4%	0.2	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	12	10	-2	-13.3%	0.3	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	122	129	7	5.7%	0.4	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	12	11	-1	-8.3%	0.2	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	15	20	5	36.0%	0.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	364	341	-23	-6.3%	0.7	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	305	297	-8	-2.6%	0.3	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	18	18	0	-2.2%	0.1	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	289	292	3	0.9%	0.1	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	88	74	-14	-16.4%	0.9	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	394	366	-28	-7.1%	0.8	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	140	145	5	3.7%	0.3	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	57	40	-17	-29.1%	1.4	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	182	194	12	6.5%	0.5	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	118	90	-28	-23.6%	1.6	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	423	402	-21	-4.9%	0.6	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	251	239	-12	-4.6%	0.4	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	28	30	2	7.1%	0.2	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	145	167	22	14.9%	1.0	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	88	75	-13	-15.0%	0.8	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	13	17	4	30.8%	0.6	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	86	117	31	36.3%	1.8	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	426	413	-13	-3.0%	0.4	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	71	44	-27	-38.0%	2.1	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	93	112	19	20.6%	1.1	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	1	1	0	20.0%	0.1	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	12	15	3	21.7%	0.4	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	64	63	-1	-1.3%	0.1	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	501	540	39	7.9%	1.0	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	37	73	36	97.3%	2.8	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	136	146	10	7.5%	0.5	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	105	23	-82	-78.3%	5.9	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	98	33	-65	-65.9%	4.6	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	100	76	-24	-23.6%	1.5	Pass Low
65	5	Hall Quay	A	B	37z:44:52	136	112	-24	-17.4%	1.2	Pass Low
66	5	Hall Quay	B	A	52:44:37z	77	96	19	24.4%	1.2	Pass Low
67	5	Hall Quay	B	C	52:97z:51	303	243	-60	-19.8%	2.1	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	177	174	-3	-1.8%	0.1	Pass Low
69	5	Hall Quay	C	B	51:44:52	264	239	-25	-9.3%	0.9	Pass Low
70	6	Station Access	A	B	114:4:92z	460	450	-10	-2.1%	0.3	Pass Low
71	6	Station Access	A	C	114:4:91	13	14	1	4.6%	0.1	Pass Low
72	6	Station Access	B	A	92z:4:114	480	474	-6	-1.2%	0.1	Pass Low
73	6	Station Access	B	C	92z:4:91	16	16	0	-2.5%	0.1	Pass Low
74	6	Station Access	C	A	91:4:114	33	29	-4	-12.7%	0.4	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	6	3	-3	-56.7%	0.9	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	72	77	5	6.9%	0.3	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	22	27	5	23.6%	0.6	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	8	12	4	50.0%	0.7	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	11	3	-8	-74.5%	1.8	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	1	8	7	740.0%	2.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	5	10	5	100.0%	1.1	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	3	6	3	113.3%	0.9	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	4	4		1.6	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	82	46	-36	-43.9%	2.6	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	8	21	13	167.5%	2.0	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	20	18	-2	-8.0%	0.2	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	11	6	-5	-47.3%	1.0	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	44	33	-11	-25.0%	1.0	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	14	16	2	14.3%	0.3	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.4	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	4	16	12	290.0%	2.1	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	5	8	3	68.0%	0.8	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	16	40	24	150.0%	2.6	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	34	32	-2	-5.3%	0.2	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	6	10	4	63.3%	0.8	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	7	3	-4	-62.9%	1.2	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	6	27	21	350.0%	3.0	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	9	5	-4	-44.4%	0.9	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	9	10	1	15.6%	0.3	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	4	2	-2	-45.0%	0.6	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	76	70	-6	-7.4%	0.4	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	39	58	19	48.7%	1.6	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	87	120	33	37.7%	1.9	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	128	135	7	5.2%	0.3	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	44	27	-17	-39.5%	1.7	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	110	120	10	9.1%	0.5	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	28	21	-7	-25.0%	0.8	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	6	1	-5	-86.7%	1.6	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	14	7	-7	-47.1%	1.2	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	17	4	-13	-75.3%	2.3	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	89	75	-14	-15.5%	0.9	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	201	163	-38	-18.9%	1.6	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	7	6	-1	-8.6%	0.1	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	140	154	14	10.3%	0.7	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	28	60	32	115.7%	2.8	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	15	16	1	9.3%	0.2	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	266	239	-27	-10.2%	1.0	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	23	18	-5	-21.7%	0.6	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	54	92	38	69.6%	2.5	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	53	95	42	79.6%	2.8	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	124	133	9	7.1%	0.4	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	0	2	2		1.3	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	34	40	6	16.5%	0.5	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	25	27	2	9.6%	0.3	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	4	2	-2	-50.0%	0.7	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	6	13	7	110.0%	1.2	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	50	34	-16	-31.2%	1.4	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	21	23	2	9.5%	0.2	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	1	7	6	640.0%	1.8	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	31	36	5	16.8%	0.5	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	8	10	2	22.5%	0.3	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	40	31	-9	-21.5%	0.8	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	11	21	10	89.1%	1.4	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	95	89	-6	-6.1%	0.3	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	53	61	8	14.3%	0.6	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	28	9	-19	-66.4%	2.5	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	314	319	5	1.5%	0.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	168	138	-30	-18.1%	1.4	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	22	24	2	10.0%	0.3	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	192	201	9	4.6%	0.4	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	8	1	-7	-87.5%	1.9	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	8	1	-7	-82.5%	1.8	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	31	12	-19	-62.6%	2.4	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	22	4	-18	-83.6%	3.0	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	24	28	4	17.5%	0.5	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	117	91	-26	-22.6%	1.5	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	68	74	6	8.5%	0.4	Pass Low





Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	50	81	31	62.8%	2.2	Pass Low
174	4	Northgate Street	N	S	543:1365	132	135	3	2.4%	0.2	Pass Low
181	8	Burgh Rd	W	E	1057:1051	55	51	-4	-6.9%	0.3	Pass Low
182	8	Burgh Rd	E	W	1051:1057	44	43	-1	-2.7%	0.1	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	201	190	-11	-5.6%	0.5	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	125	125	0	0.2%	0.0	Pass Low
193	14	Caister Road	S	N	369:536	219	226	7	3.3%	0.3	Pass Low
194	14	Caister Road	N	S	536:369	392	369	-23	-5.9%	0.7	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	219	224	5	2.3%	0.2	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	50	41	-9	-17.6%	0.8	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	192	225	33	17.0%	1.3	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	15	16	1	9.3%	0.2	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	38	34	-4	-9.5%	0.3	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	24	23	-1	-3.3%	0.1	Pass Low
209	21	Matalan Access	exit		85:82	3	2	-1	-46.7%	0.5	Pass Low
210	21	Matalan Access		access	82:85	3	4	1	20.0%	0.2	Pass Low
211	22	Station Road	exit		78:79	45	91	46	103.1%	3.2	Pass Low
212	22	Station Road		access	79:78	13	27	14	107.7%	1.8	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	12	9	-3	-25.0%	0.5	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	7	5	-2	-31.4%	0.5	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	89	70	-19	-21.1%	1.2	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	13	18	5	35.4%	0.7	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	29	9	-20	-67.6%	2.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	191	194	3	1.8%	0.1	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	8	3	-5	-65.0%	1.3	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	25	14	-11	-44.0%	1.4	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	62	61	-1	-2.3%	0.1	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	80	66	-14	-17.0%	0.9	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	202	253	51	25.1%	1.9	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	63	67	4	7.0%	0.3	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	61	70	9	14.1%	0.6	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	88	138	50	57.3%	2.7	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	12	14	2	13.3%	0.3	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	58	87	29	49.3%	1.9	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	13	11	-2	-16.9%	0.4	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	8	1	-7	-87.5%	1.9	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	1	0	-1	-60.0%	0.4	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	2	0	-2	-80.0%	0.8	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	1	1	0	-40.0%	0.3	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	10	30	20	198.0%	2.6	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	1	1	0	20.0%	0.1	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	3	1	-2	-80.0%	1.0	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	2	1	-1	-30.0%	0.3	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	23	14	-9	-40.0%	1.2	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	1	0	-1	-60.0%	0.4	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	1	1		0.8	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.5	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	10	5	-5	-46.0%	1.0	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	8	5	-3	-35.0%	0.6	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	34	30	-4	-12.4%	0.4	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	6	6	0	3.3%	0.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	13	10	-3	-26.2%	0.6	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	14	15	1	4.3%	0.1	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	16	16	0	2.5%	0.1	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	74	83	9	12.7%	0.6	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	63	53	-10	-16.5%	0.8	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	19	18	-1	-5.3%	0.1	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	5	31	26	524.0%	3.6	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	87	110	23	26.9%	1.4	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	9	8	-1	-11.1%	0.2	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	3	7	4	146.7%	1.1	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	3	1	-2	-80.0%	1.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	12	0	-12	-98.3%	2.8	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	18	1	-17	-93.3%	3.1	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	4	4		1.5	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	40	39	-1	-3.0%	0.1	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	37	40	3	8.1%	0.3	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	15	15		3.1	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	3	16	13	433.3%	2.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	37	22	-15	-40.5%	1.6	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	1	1		0.7	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	7	10	3	40.0%	0.6	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	2	13	11	570.0%	2.4	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	38	36	-2	-5.8%	0.2	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	13	23	10	78.5%	1.4	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	2	0	-2	-100.0%	1.2	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	21	20	-1	-5.7%	0.2	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	13	8	-5	-38.5%	0.9	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.4	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	38	40	2	5.3%	0.2	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	1	0	-1	-80.0%	0.6	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	21	20	-1	-4.8%	0.1	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	4	1	-3	-80.0%	1.2	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	33	39	6	18.8%	0.6	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	15	24	9	61.3%	1.2	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	1	1	0	0.0%	0.0	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	19	17	-2	-8.4%	0.2	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	47	48	1	1.7%	0.1	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	5	5	0	-8.0%	0.1	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	16	4	-12	-76.3%	2.2	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	34	27	-7	-20.6%	0.7	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	1	1	0	0.0%	0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	4	9	5	130.0%	1.2	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	71	65	-6	-8.5%	0.4	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.4	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	5	2	-3	-68.0%	1.1	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	32	25	-7	-22.5%	0.8	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	6	4	-2	-36.7%	0.6	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	22	28	6	25.5%	0.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	67	68	1	0.9%	0.0	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	8	7	-1	-17.5%	0.3	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	16	34	18	113.8%	2.1	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	1	0	-1	-100.0%	0.8	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	44	55	11	25.0%	0.9	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	3	4	1	26.7%	0.3	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	3	0	-3	-86.7%	1.2	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	13	16	3	21.5%	0.4	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	89	97	8	9.4%	0.5	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	18	2	-16	-87.8%	2.9	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	14	25	11	80.0%	1.5	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	4	33	29	735.0%	3.9	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	16	14	-2	-15.0%	0.4	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	86	96	10	12.1%	0.6	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	10	5	-5	-46.0%	1.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	3	1	-2	-53.3%	0.6	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	39	39	0	1.0%	0.0	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	130	185	55	42.3%	2.5	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	117	114	-3	-2.9%	0.2	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	43	67	24	55.3%	1.9	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	79	90	11	13.4%	0.7	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	5	8	3	64.0%	0.7	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	4	11	7	175.0%	1.5	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	146	145	-1	-1.0%	0.1	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	155	180	25	16.1%	1.1	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	67	10	-57	-84.8%	5.3	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	0	-1	-60.0%	0.4	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	222	220	-2	-1.0%	0.1	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	1	14	13	1340.0%	2.8	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	11	35	24	220.0%	2.9	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	166	192	26	15.7%	1.1	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	129	147	18	14.0%	0.9	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	109	77	-32	-29.2%	1.9	Pass Low
334	unction	3 Pasteur Road/East Access/West Ad	143		103:260:258	1	3	2	180.0%	0.8	Pass Low
335	unction	3 Pasteur Road/East Access/West Ad	144		103:260:272	230	213	-17	-7.2%	0.6	Pass Low
336	unction	3 Pasteur Road/East Access/West Ad	145		103:260:261	1	0	-1	-100.0%	0.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	4	0	-4	-90.0%	1.4	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	6	1	-5	-86.7%	1.6	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	230	268	38	16.7%	1.4	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	5	5	0	4.0%	0.1	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	1	1		1.0	Pass Low



Vehicle Flow Information  
Validation Statistics  
LGV Vehicles  
AM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	5	8	3	60.0%	0.7	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	82	81	-1	-1.5%	0.1	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	17	28	11	65.9%	1.4	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	29	20	-9	-31.7%	1.1	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	18	13	-5	-30.0%	0.8	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	136	140	4	3.1%	0.2	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	2	0	-2	-100.0%	1.2	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	11	9	-2	-14.5%	0.3	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	487	606	119	24.5%	2.9	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	508	591	83	16.3%	2.0	Pass Low
169	2	Haven Bridge	NE	SW	872:50	247	243	-4	-1.6%	0.1	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	330	414	84	25.5%	2.5	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	289	295	6	2.1%	0.2	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	217	234	17	7.6%	0.6	Pass Low
175	5	North Denes Rd	S	N	1270:559	39	24	-15	-37.4%	1.5	Pass Low
176	5	North Denes Rd	N	S	559:1270	68	41	-27	-40.0%	2.1	Pass Low
177	6	North Drive	S	N	1262:557	39	60	21	54.9%	1.8	Pass Low
178	6	North Drive	N	S	557:1262	103	108	5	5.2%	0.3	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	253	243	-10	-4.0%	0.4	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	91	155	64	70.1%	3.3	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	668	763	95	14.2%	2.0	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	452	502	50	11.2%	1.3	Pass Low
187	11	South Denes Rd	S	N	681:678	56	29	-27	-48.9%	2.4	Pass Low
188	11	South Denes Rd	N	S	678:681	93	74	-19	-20.2%	1.2	Pass Low
189	12	South Beach Parade	S	N	674:672	8	19	11	135.0%	1.7	Pass Low
190	12	South Beach Parade	N	S	672:674	24	30	6	23.3%	0.6	Pass Low
195	17	Southtown Rd	S	N	419:420	122	139	17	14.3%	0.9	Pass Low
196	17	Southtown Rd	N	S	420:419	79	77	-2	-2.3%	0.1	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	59	87	28	47.5%	1.9	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	162	222	60	36.8%	2.5	Pass Low
199	19	Euston Rd	E	W	532:339	41	49	8	19.5%	0.7	Pass Low
200	19	Euston Rd	W	E	339:532	29	41	12	42.1%	1.2	Pass Low
201	20	Acle New Rd	SE	NW	12:1	398	491	93	23.3%	2.5	Pass Low
202	20	Acle New Rd	NW	SE	1:12	346	451	105	30.4%	3.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	30	50	20	67.3%	3.2	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	196	200	4	2.2%	0.3	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	576	647	71	12.4%	2.9	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	44	23	-21	-48.6%	3.7	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	16	8	-8	-47.5%	2.2	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	83	47	-36	-43.1%	4.4	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	290	306	16	5.4%	0.9	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	293	265	-28	-9.4%	1.7	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	178	134	-44	-24.5%	3.5	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	4	0	-4	-100.0%	2.8	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	225	226	1	0.3%	0.0	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	507	491	-16	-3.1%	0.7	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	255	307	52	20.4%	3.1	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	133	156	23	17.4%	1.9	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	6	5	-1	-20.0%	0.5	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	14	8	-6	-41.4%	1.7	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	240	256	16	6.7%	1.0	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	367	378	11	2.9%	0.6	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	8	6	-2	-27.5%	0.8	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	25	24	-1	-4.8%	0.2	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	29	34	5	15.9%	0.8	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	275	309	34	12.3%	2.0	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	27	29	2	8.9%	0.5	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	147	166	19	12.8%	1.5	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	756	864	108	14.3%	3.8	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	415	402	-13	-3.2%	0.7	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	41	31	-10	-23.4%	1.6	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	607	642	35	5.7%	1.4	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	218	240	22	10.2%	1.5	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	689	735	46	6.7%	1.7	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	258	304	46	17.7%	2.7	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	122	116	-6	-4.8%	0.5	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	518	629	111	21.4%	4.6	Fail Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	366	371	5	1.4%	0.3	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	631	650	19	3.1%	0.8	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	431	470	39	9.1%	1.8	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	142	146	4	3.0%	0.3	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	318	303	-15	-4.6%	0.8	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	332	271	-61	-18.4%	3.5	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	86	150	64	74.0%	5.9	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	283	317	34	12.1%	2.0	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	938	1116	178	19.0%	5.6	Fail Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	80	78	-2	-2.5%	0.2	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	201	187	-14	-7.0%	1.0	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	11	4	-7	-61.8%	2.5	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	35	45	10	27.4%	1.5	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	75	75	0	-0.3%	0.0	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	907	1012	105	11.6%	3.4	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	131	157	26	19.7%	2.2	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	118	113	-5	-4.6%	0.5	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	87	66	-21	-24.1%	2.4	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	110	76	-34	-30.5%	3.5	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	129	121	-8	-6.4%	0.7	Pass Low
65	5	Hall Quay	A	B	37z:44:52	368	366	-2	-0.7%	0.1	Pass Low
66	5	Hall Quay	B	A	52:44:37z	283	275	-8	-2.7%	0.5	Pass Low
67	5	Hall Quay	B	C	52:97z:51	823	806	-17	-2.1%	0.6	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	513	513	0	0.1%	0.0	Pass Low
69	5	Hall Quay	C	B	51:44:52	497	458	-39	-7.8%	1.8	Pass Low
70	6	Station Access	A	B	114:4:92z	910	980	70	7.7%	2.3	Pass Mid
71	6	Station Access	A	C	114:4:91	111	110	-1	-0.9%	0.1	Pass Low
72	6	Station Access	B	A	92z:4:114	873	983	110	12.6%	3.6	Pass Mid
73	6	Station Access	B	C	92z:4:91	208	194	-14	-6.7%	1.0	Pass Low
74	6	Station Access	C	A	91:4:114	326	390	64	19.7%	3.4	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	25	4	-21	-83.2%	5.4	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	270	279	9	3.3%	0.5	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	117	92	-25	-21.7%	2.5	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	46	41	-5	-10.0%	0.7	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	17	5	-12	-70.6%	3.6	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	6	13	7	116.7%	2.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	8	13	5	57.5%	1.4	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	7	21	14	200.0%	3.7	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	3	8	5	160.0%	2.1	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	2	0	-2	-80.0%	1.5	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	246	118	-128	-52.2%	9.5	Fail Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	30	74	44	147.3%	6.1	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	120	104	-16	-13.7%	1.6	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	32	24	-8	-25.0%	1.5	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	80	105	25	31.5%	2.6	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	55	89	34	61.8%	4.0	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	15	37	22	144.0%	4.3	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	21	12	-9	-42.9%	2.2	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	36	73	37	102.2%	5.0	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	100	105	5	5.4%	0.5	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	13	26	13	100.0%	2.9	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	10	3	-7	-68.0%	2.6	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	10	10	0	4.0%	0.1	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	23	12	-11	-49.6%	2.7	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	19	22	3	16.8%	0.7	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	6	3	-3	-43.3%	1.2	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	342	320	-22	-6.5%	1.2	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	83	74	-9	-10.6%	1.0	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	287	285	-2	-0.6%	0.1	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	237	236	-1	-0.3%	0.1	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	62	55	-7	-11.9%	1.0	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	270	324	54	20.1%	3.1	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	78	73	-5	-6.7%	0.6	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	26	15	-11	-43.1%	2.5	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	38	32	-6	-14.7%	0.9	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	74	62	-12	-16.2%	1.5	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	260	191	-69	-26.5%	4.6	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	499	546	47	9.5%	2.1	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	27	28	1	4.4%	0.2	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	404	359	-45	-11.1%	2.3	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	145	110	-35	-23.9%	3.1	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	33	31	-2	-6.7%	0.4	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	530	540	10	1.9%	0.4	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	103	68	-35	-34.2%	3.8	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	214	128	-86	-40.1%	6.6	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	132	109	-23	-17.6%	2.1	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	340	390	50	14.8%	2.6	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	11	8	-3	-29.1%	1.0	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	107	103	-4	-3.6%	0.4	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	72	69	-3	-4.7%	0.4	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	10	10	0	2.0%	0.1	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	7	10	3	48.6%	1.2	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	146	106	-40	-27.1%	3.5	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	106	84	-22	-20.8%	2.3	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	5	20	15	296.0%	4.2	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	86	105	19	22.3%	2.0	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	63	59	-4	-6.0%	0.5	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	131	136	5	4.1%	0.5	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	52	66	14	27.7%	1.9	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	179	156	-23	-12.8%	1.8	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	227	218	-9	-3.8%	0.6	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	88	52	-36	-40.5%	4.2	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	580	635	55	9.6%	2.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	596	517	-79	-13.2%	3.3	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	70	51	-19	-26.9%	2.4	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	432	562	130	30.1%	5.8	Fail Low
156	14	Alexandra Rd	A	E	141:130:311	61	9	-52	-85.6%	8.8	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	66	34	-32	-48.2%	4.5	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	112	11	-101	-90.5%	13.0	Fail Low
161	14	Alexandra Rd	D	B	336:143:178	66	24	-42	-63.3%	6.2	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	93	105	12	12.5%	1.2	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	335	199	-136	-40.7%	8.4	Fail Low
166	15	Alexandra Rd	B	C	338:187:143	148	192	44	29.6%	3.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	234	246	12	5.1%	0.8	Pass Low
174	4	Northgate Street	N	S	543:1365	296	233	-63	-21.4%	3.9	Pass Low
181	8	Burgh Rd	W	E	1057:1051	177	175	-2	-0.9%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	171	172	1	0.4%	0.0	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	332	319	-13	-3.8%	0.7	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	348	358	10	2.8%	0.5	Pass Low
193	14	Caister Road	S	N	369:536	736	794	58	7.9%	2.1	Pass Mid
194	14	Caister Road	N	S	536:369	697	707	10	1.5%	0.4	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	444	552	108	24.4%	4.8	Fail Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	300	270	-30	-9.9%	1.8	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	356	426	70	19.7%	3.5	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	84	88	4	4.8%	0.4	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	333	296	-37	-11.2%	2.1	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	113	113	0	-0.2%	0.0	Pass Low
209	21	Matalan Access	exit		85:82	71	79	8	11.5%	0.9	Pass Low
210	21	Matalan Access		access	82:85	63	76	13	20.0%	1.5	Pass Low
211	22	Station Road	exit		78:79	232	235	3	1.3%	0.2	Pass Low
212	22	Station Road		access	79:78	88	86	-2	-1.8%	0.2	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	118	100	-18	-15.6%	1.8	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	62	37	-25	-40.6%	3.6	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	344	320	-24	-7.0%	1.3	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	97	73	-24	-24.7%	2.6	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	73	78	5	6.3%	0.5	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	487	531	44	9.0%	1.9	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	46	24	-22	-47.0%	3.6	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	117	87	-30	-26.0%	3.0	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	233	268	35	14.8%	2.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	423	289	-134	-31.7%	7.1	Fail Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	407	468	61	15.1%	2.9	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	237	220	-17	-7.2%	1.1	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	245	238	-7	-2.8%	0.4	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	283	245	-38	-13.6%	2.4	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	12	33	21	175.0%	4.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	233	240	7	3.1%	0.5	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	75	63	-12	-15.5%	1.4	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	7	2	-5	-71.4%	2.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	5	11	6	112.0%	2.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	4	2	-2	-45.0%	1.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	3	5	2	53.3%	0.8	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	52	38	-14	-26.9%	2.1	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	3	1	-2	-53.3%	1.1	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	3	4	1	33.3%	0.5	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	12	7	-5	-45.0%	1.8	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	139	75	-64	-46.0%	6.2	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	2	2	0	-20.0%	0.3	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	3	3	0	-6.7%	0.1	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	6	0	-6	-93.3%	3.1	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	6	14	8	133.3%	2.5	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	8	20	12	155.0%	3.3	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	129	130	1	0.6%	0.1	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	12	14	2	15.0%	0.5	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	113	120	7	6.2%	0.6	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	94	107	13	14.3%	1.3	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	78	102	24	30.3%	2.5	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	260	180	-80	-30.9%	5.4	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	165	162	-3	-1.9%	0.3	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	113	100	-13	-11.5%	1.3	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	76	56	-20	-26.1%	2.4	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	232	228	-4	-1.6%	0.3	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	56	23	-33	-58.2%	5.2	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	58	58	0	0.0%	0.0	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	10	2	-8	-76.0%	3.1	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	28	0	-28	-99.3%	7.4	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	33	18	-15	-45.5%	3.0	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	3	3		2.6	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	153	174	21	13.5%	1.6	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	146	128	-18	-12.3%	1.5	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	9	36	27	300.0%	5.7	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	24	42	18	75.8%	3.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	141	124	-17	-11.9%	1.5	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	7	7		3.8	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	39	50	11	28.2%	1.6	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	20	31	11	54.0%	2.1	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	3	0	-3	-100.0%	2.4	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	137	125	-12	-8.6%	1.0	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	43	32	-11	-26.5%	1.9	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	9	0	-9	-100.0%	4.2	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	121	123	2	2.0%	0.2	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	19	18	-1	-3.2%	0.1	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	3	1	-2	-66.7%	1.4	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	148	128	-20	-13.5%	1.7	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	9	1	-8	-84.4%	3.3	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	107	123	16	15.0%	1.5	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	8	9	1	15.0%	0.4	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	131	121	-10	-7.5%	0.9	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	93	105	12	12.9%	1.2	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	6	7	1	20.0%	0.5	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	34	22	-12	-35.9%	2.3	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	123	100	-23	-18.4%	2.1	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	7	4	-3	-42.9%	1.3	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	40	22	-18	-44.5%	3.2	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	133	126	-7	-5.3%	0.6	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	2	1	-1	-30.0%	0.5	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	17	10	-7	-41.2%	1.9	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	155	121	-34	-22.1%	2.9	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	3	1	-2	-66.7%	1.4	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	15	16	1	4.0%	0.2	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	149	132	-17	-11.4%	1.4	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	5	9	4	80.0%	1.5	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	41	27	-14	-35.1%	2.5	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	161	125	-36	-22.1%	3.0	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	12	5	-7	-55.0%	2.2	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	58	53	-5	-8.3%	0.6	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	2	1	-1	-40.0%	0.6	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	206	182	-24	-11.7%	1.7	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	2	3	1	40.0%	0.5	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	5	5		3.0	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	1	1		1.1	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	38	49	11	28.4%	1.6	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	207	158	-49	-23.8%	3.6	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	11	7	-4	-40.0%	1.5	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	39	114	75	192.3%	8.6	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	9	93	84	937.8%	11.8	Pass Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	26	34	8	29.2%	1.4	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	164	148	-16	-10.0%	1.3	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	23	10	-13	-55.7%	3.1	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	6	6	0	-3.3%	0.1	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	86	84	-2	-2.1%	0.2	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	243	236	-7	-3.0%	0.5	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	316	404	88	28.0%	4.7	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	158	223	65	41.1%	4.7	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	186	202	16	8.8%	1.2	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	21	20	-1	-5.7%	0.3	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	10	22	12	120.0%	3.0	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	363	302	-61	-16.9%	3.4	Pass Low
325	nction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	475	624	149	31.5%	6.4	Fail Low
326	nction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	173	20	-153	-88.3%	15.5	Fail Low
327	nction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	5	3	-2	-44.0%	1.1	Pass Low
328	nction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	549	472	-77	-14.1%	3.4	Pass Low
329	nction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	9	33	24	266.7%	5.2	Pass Low
330	nction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	27	48	21	76.3%	3.4	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:812	382	313	-69	-18.2%	3.7	Pass Low
332	nction	William Adams Way/Suffolk Road	123		812:813:812	360	380	20	5.4%	1.0	Pass Low
333	nction	William Adams Way/Suffolk Road	124		812:813:866	165	177	12	7.2%	0.9	Pass Low
334	nction	3 Pasteur Road/East Access/West A	143		103:260:258	0	17	17		5.8	Pass Low
335	nction	3 Pasteur Road/East Access/West A	144		103:260:272	650	647	-3	-0.5%	0.1	Pass Low
336	nction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low





Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	3	3		2.4	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	6	5	-1	-10.0%	0.3	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	632	617	-15	-2.3%	0.6	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	4	32	28	710.0%	6.7	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	9	9		4.3	Pass Low



**Vehicle Flow Information  
Validation Statistics  
All Vehicles  
IP Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	42	35	-7	-17.1%	1.2	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	253	218	-35	-13.7%	2.3	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	99	115	16	15.8%	1.5	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	177	166	-11	-6.2%	0.8	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	64	20	-44	-68.1%	6.7	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	311	360	49	15.8%	2.7	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	12	0	-12	-100.0%	4.9	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	28	36	8	27.1%	1.3	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	1017	1074	57	5.6%	1.8	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	1055	1278	223	21.1%	6.5	Fail Mid
169	2	Haven Bridge	NE	SW	872:50	757	806	49	6.5%	1.8	Pass Mid
170	2	Haven Bridge	SW	NE	50:87z	915	971	56	6.1%	1.8	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	568	767	199	35.0%	7.7	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	689	766	77	11.1%	2.8	Pass Low
175	5	North Denes Rd	S	N	1270:559	175	159	-16	-9.1%	1.2	Pass Low
176	5	North Denes Rd	N	S	559:1270	116	121	5	4.3%	0.5	Pass Low
177	6	North Drive	S	N	1262:557	224	279	55	24.6%	3.5	Pass Low
178	6	North Drive	N	S	557:1262	210	193	-17	-7.9%	1.2	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	469	449	-20	-4.2%	0.9	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	525	515	-10	-1.8%	0.4	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	1171	1281	110	9.4%	3.2	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	1135	1275	140	12.3%	4.0	Pass Mid
187	11	South Denes Rd	S	N	681:678	180	141	-39	-21.7%	3.1	Pass Low
188	11	South Denes Rd	N	S	678:681	154	131	-23	-15.1%	1.9	Pass Low
189	12	South Beach Parade	S	N	674:672	71	94	23	33.0%	2.6	Pass Low
190	12	South Beach Parade	N	S	672:674	80	102	22	27.0%	2.3	Pass Low
195	17	Southtown Rd	S	N	419:420	364	300	-64	-17.6%	3.5	Pass Low
196	17	Southtown Rd	N	S	420:419	329	207	-122	-37.1%	7.5	Fail Low
197	18	B1141 Priory Plain	SE	NW	165:111	269	251	-18	-6.8%	1.1	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	546	516	-30	-5.5%	1.3	Pass Low
199	19	Euston Rd	E	W	532:339	166	127	-39	-23.5%	3.2	Pass Low
200	19	Euston Rd	W	E	339:532	155	164	9	5.8%	0.7	Pass Low
201	20	Acle New Rd	SE	NW	12:1	1017	1180	163	16.0%	4.9	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	909	959	50	5.5%	1.6	Pass Mid



**Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	26	40	14	53.8%	2.4	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	166	174	8	4.9%	0.6	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	481	545	64	13.3%	2.8	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	35	19	-16	-45.1%	3.0	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	14	5	-9	-61.4%	2.8	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	75	40	-35	-47.2%	4.7	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	259	272	13	4.9%	0.8	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	246	230	-16	-6.6%	1.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	132	115	-17	-13.2%	1.6	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	3	0	-3	-100.0%	2.4	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	165	180	15	9.2%	1.2	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	413	398	-15	-3.6%	0.7	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	213	253	40	19.0%	2.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	106	117	11	10.0%	1.0	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	4	3	-1	-15.0%	0.3	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	11	5	-6	-52.7%	2.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	178	180	2	1.0%	0.1	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	282	280	-2	-0.9%	0.1	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	6	5	-1	-13.3%	0.3	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	18	15	-3	-16.7%	0.7	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	18	22	4	21.1%	0.9	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	196	214	18	9.2%	1.3	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	21	20	-1	-6.7%	0.3	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	142	125	-17	-11.8%	1.5	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	657	755	98	14.9%	3.7	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	309	300	-9	-2.8%	0.5	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	31	20	-11	-35.5%	2.2	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	510	556	46	9.1%	2.0	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	177	213	36	20.1%	2.6	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	561	590	29	5.2%	1.2	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	226	256	30	13.4%	1.9	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	95	99	4	4.6%	0.4	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	429	532	103	24.1%	4.7	Fail Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	322	321	-1	-0.2%	0.0	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	484	519	35	7.3%	1.6	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	341	404	63	18.6%	3.3	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	131	131	0	-0.2%	0.0	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	274	255	-19	-6.9%	1.2	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	290	232	-58	-20.0%	3.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	77	133	56	73.0%	5.5	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	251	266	15	5.9%	0.9	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	779	932	153	19.6%	5.2	Fail Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	43	56	13	29.3%	1.8	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	157	153	-4	-2.4%	0.3	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	10	3	-7	-70.0%	2.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	29	39	10	34.5%	1.7	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	52	58	6	11.9%	0.8	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	748	850	102	13.6%	3.6	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	104	133	29	27.5%	2.6	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	67	64	-3	-4.8%	0.4	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	43	49	6	14.9%	0.9	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	68	62	-6	-9.1%	0.8	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	75	80	5	6.1%	0.5	Pass Low
65	5	Hall Quay	A	B	37z:44:52	299	297	-2	-0.7%	0.1	Pass Low
66	5	Hall Quay	B	A	52:44:37z	200	217	17	8.6%	1.2	Pass Low
67	5	Hall Quay	B	C	52:97z:51	656	672	16	2.4%	0.6	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	437	458	21	4.9%	1.0	Pass Low
69	5	Hall Quay	C	B	51:44:52	380	367	-13	-3.5%	0.7	Pass Low
70	6	Station Access	A	B	114:4:92z	745	778	33	4.4%	1.2	Pass Mid
71	6	Station Access	A	C	114:4:91	102	101	-1	-1.4%	0.1	Pass Low
72	6	Station Access	B	A	92z:4:114	699	814	115	16.5%	4.2	Fail Low
73	6	Station Access	B	C	92z:4:91	197	181	-16	-8.0%	1.1	Pass Low
74	6	Station Access	C	A	91:4:114	312	305	-7	-2.1%	0.4	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	12	3	-9	-75.0%	3.3	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	224	246	22	9.8%	1.4	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	105	81	-24	-22.5%	2.4	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	38	31	-7	-17.9%	1.2	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	12	4	-8	-68.3%	2.9	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	6	11	5	83.3%	1.7	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	7	10	3	48.6%	1.2	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	6	18	12	203.3%	3.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	2	7	5	270.0%	2.5	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.6	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	204	108	-96	-47.3%	7.7	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	21	62	41	196.2%	6.4	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	105	93	-12	-11.2%	1.2	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	22	20	-2	-8.2%	0.4	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	70	99	29	41.1%	3.1	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	47	78	31	66.4%	3.9	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	13	29	16	124.6%	3.5	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	18	10	-8	-42.2%	2.0	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	26	58	32	122.3%	4.9	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	94	98	4	4.3%	0.4	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	11	24	13	118.2%	3.1	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	9	3	-6	-71.1%	2.7	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	8	6	-2	-25.0%	0.8	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	20	10	-10	-52.0%	2.7	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	17	18	1	4.7%	0.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	4	3	-1	-25.0%	0.5	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	281	277	-4	-1.3%	0.2	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	63	54	-9	-14.0%	1.1	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	239	252	13	5.4%	0.8	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	184	199	15	8.3%	1.1	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	41	41	0	0.0%	0.0	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	222	275	53	23.8%	3.4	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	66	64	-2	-3.0%	0.2	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	24	14	-10	-43.3%	2.4	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	32	29	-3	-10.6%	0.6	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	55	53	-2	-2.9%	0.2	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	209	162	-47	-22.4%	3.4	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	404	451	47	11.7%	2.3	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	26	27	1	2.3%	0.1	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	331	309	-22	-6.7%	1.2	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	131	94	-37	-27.9%	3.4	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	29	28	-1	-2.8%	0.1	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	417	453	36	8.5%	1.7	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	87	57	-30	-34.7%	3.6	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	178	113	-65	-36.7%	5.4	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	108	83	-25	-23.3%	2.6	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	268	330	62	23.2%	3.6	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	7	7	0	5.7%	0.1	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	91	93	2	1.8%	0.2	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:502	63	62	-1	-1.0%	0.1	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	8	9	1	15.0%	0.4	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	7	9	2	31.4%	0.8	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:502	129	94	-35	-26.8%	3.3	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	91	76	-15	-16.7%	1.7	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	4	18	14	340.0%	4.1	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:502	69	95	26	37.1%	2.8	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	5002:339:465	58	55	-3	-4.8%	0.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	5002:339:532	114	126	12	10.2%	1.1	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	5002:339:505	46	60	14	30.4%	1.9	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	154	133	-21	-13.5%	1.7	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	202	193	-9	-4.7%	0.7	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	67	47	-20	-29.9%	2.6	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	430	486	56	13.1%	2.6	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	519	464	-55	-10.6%	2.5	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	59	44	-15	-26.1%	2.2	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	287	425	138	47.9%	7.3	Fail Low
156	14	Alexandra Rd	A	E	141:130:311	53	8	-45	-84.9%	8.1	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	55	33	-22	-40.4%	3.4	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	93	8	-85	-91.0%	11.9	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	56	22	-34	-61.4%	5.5	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	80	92	12	15.5%	1.3	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	280	169	-111	-39.6%	7.4	Fail Low
166	15	Alexandra Rd	B	C	338:187:143	125	168	43	34.2%	3.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	200	200	0	-0.2%	0.0	Pass Low
174	4	Northgate Street	N	S	543:1365	253	197	-56	-22.3%	3.8	Pass Low
181	8	Burgh Rd	W	E	1057:1051	155	154	-1	-0.4%	0.0	Pass Low
182	8	Burgh Rd	E	W	1051:1057	149	147	-2	-1.2%	0.1	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	270	258	-12	-4.4%	0.7	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	283	293	10	3.5%	0.6	Pass Low
193	14	Caister Road	S	N	369:536	599	634	35	5.9%	1.4	Pass Low
194	14	Caister Road	N	S	536:369	567	569	2	0.3%	0.1	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	357	455	98	27.4%	4.9	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	277	254	-23	-8.4%	1.4	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	292	343	51	17.5%	2.9	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	75	78	3	4.5%	0.4	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	302	276	-26	-8.7%	1.5	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	105	105	0	0.2%	0.0	Pass Low
209	21	Matalan Access	exit		85:82	69	76	7	10.7%	0.9	Pass Low
210	21	Matalan Access		access	82:85	59	73	14	23.4%	1.7	Pass Low
211	22	Station Road	exit		78:79	212	205	-7	-3.5%	0.5	Pass Low
212	22	Station Road		access	79:78	83	75	-8	-9.9%	0.9	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	104	89	-15	-14.8%	1.6	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	61	36	-25	-41.3%	3.6	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	314	283	-31	-9.9%	1.8	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	91	67	-24	-26.6%	2.7	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	69	72	3	4.3%	0.4	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	398	432	34	8.4%	1.6	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	46	23	-23	-50.0%	3.9	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	96	78	-18	-19.2%	2.0	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	207	240	33	15.7%	2.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	398	263	-135	-33.9%	7.4	Fail Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	327	386	59	18.2%	3.1	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	201	196	-5	-2.7%	0.4	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	209	208	-1	-0.6%	0.1	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	239	207	-32	-13.5%	2.2	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	10	28	18	182.0%	4.2	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	204	212	8	3.9%	0.6	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	67	58	-9	-14.0%	1.2	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	5	1	-4	-72.0%	2.0	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	4	10	6	155.0%	2.3	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	1	2	1	120.0%	0.9	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	2	4	2	110.0%	1.2	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	44	35	-9	-20.5%	1.4	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	2	1	-1	-60.0%	1.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	3	3	0	13.3%	0.2	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	10	5	-5	-52.0%	1.9	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	120	67	-53	-44.2%	5.5	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	2	1	-1	-50.0%	0.8	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	1	2	1	120.0%	0.9	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	5	0	-5	-96.0%	3.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	5	11	6	124.0%	2.2	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	8	19	11	132.5%	2.9	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	115	119	4	3.5%	0.4	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	10	13	3	30.0%	0.9	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	102	108	6	5.7%	0.6	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	85	102	17	20.0%	1.8	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	68	94	26	38.2%	2.9	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	217	157	-60	-27.6%	4.4	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	149	140	-9	-5.8%	0.7	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	107	91	-16	-15.1%	1.6	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	71	51	-20	-27.6%	2.5	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	194	194	0	0.0%	0.0	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	46	19	-27	-57.8%	4.7	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	55	52	-3	-5.5%	0.4	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	8	1	-7	-82.5%	3.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	23	0	-23	-99.1%	6.7	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	27	16	-11	-39.3%	2.3	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	1	1		1.7	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	128	152	24	18.9%	2.0	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	133	111	-22	-16.8%	2.0	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	9	30	21	237.8%	4.8	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	20	34	14	72.0%	2.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	120	112	-8	-7.0%	0.8	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	6	6		3.6	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	35	41	6	16.0%	0.9	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	18	24	6	35.6%	1.4	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	1	0	-1	-100.0%	1.4	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	125	113	-12	-9.4%	1.1	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	37	26	-11	-29.7%	2.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	9	0	-9	-100.0%	4.2	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	98	108	10	10.6%	1.0	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	16	16	0	-2.5%	0.1	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	3	0	-3	-86.7%	2.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	136	111	-25	-18.7%	2.3	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	6	1	-5	-76.7%	2.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	85	108	23	27.1%	2.3	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	8	9	1	12.5%	0.3	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	118	103	-15	-12.4%	1.4	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	56	79	23	41.1%	2.8	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	3	4	1	40.0%	0.6	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	24	16	-8	-33.3%	1.8	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	75	75	0	0.3%	0.0	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	3	2	-1	-26.7%	0.5	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	31	19	-12	-40.0%	2.5	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	87	97	10	11.0%	1.0	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	2	1	-1	-40.0%	0.6	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	11	7	-4	-40.0%	1.5	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	99	90	-9	-8.9%	0.9	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	1	1	0	-20.0%	0.2	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	13	11	-2	-13.8%	0.5	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	100	100	0	0.2%	0.0	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	4	7	3	80.0%	1.4	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	37	14	-23	-62.7%	4.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	106	93	-13	-12.3%	1.3	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	5	4	-1	-24.0%	0.6	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	47	32	-15	-31.5%	2.4	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	1	1		1.1	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	151	131	-20	-13.2%	1.7	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	2	2		2.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	3	3		2.6	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	1	1		1.1	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	32	37	5	15.0%	0.8	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	145	110	-35	-23.9%	3.1	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	7	3	-4	-54.3%	1.7	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	31	97	66	211.6%	8.2	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	6	79	73	1216.7%	11.2	Pass Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	25	30	5	21.6%	1.0	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	138	127	-11	-8.0%	1.0	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	21	10	-11	-53.3%	2.9	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	6	5	-1	-16.7%	0.4	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	74	74	0	0.0%	0.0	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	179	185	6	3.1%	0.4	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	276	350	74	27.0%	4.2	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	133	188	55	41.1%	4.3	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	154	173	19	12.2%	1.5	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	16	17	1	8.7%	0.3	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	6	18	12	193.3%	3.4	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	319	267	-52	-16.4%	3.1	Pass Low
325	nction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	403	535	132	32.8%	6.1	Fail Low
326	nction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	146	18	-128	-87.9%	14.2	Fail Low
327	nction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	4	2	-2	-40.0%	0.9	Pass Low
328	nction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	469	412	-57	-12.1%	2.7	Pass Low
329	nction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	5	28	23	456.0%	5.6	Pass Low
330	nction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	20	37	17	84.0%	3.2	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:812	308	255	-53	-17.2%	3.2	Pass Low
332	nction	William Adams Way/Suffolk Road	123		811z:813:812	290	316	26	9.0%	1.5	Pass Low
333	nction	William Adams Way/Suffolk Road	124		811z:813:866	141	149	8	5.4%	0.6	Pass Low
334	nction	3 Pasteur Road/East Access/West A	143		103:260:258	0	15	15		5.5	Pass Low
335	nction	3 Pasteur Road/East Access/West A	144		103:260:272	554	538	-16	-2.8%	0.7	Pass Low
336	nction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	3	3		2.3	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	3	5	2	73.3%	1.1	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	522	520	-2	-0.4%	0.1	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	2	29	27	1330.0%	6.8	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	9	9		4.1	Pass Low



Vehicle Flow Information  
Validation Statistics  
Car Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	37	27	-10	-25.9%	1.7	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	222	195	-27	-12.2%	1.9	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	88	105	17	19.8%	1.8	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	159	142	-17	-10.9%	1.4	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	51	15	-36	-69.8%	6.2	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	265	313	48	18.3%	2.8	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	10	0	-10	-100.0%	4.5	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	23	32	9	39.1%	1.7	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	830	875	45	5.5%	1.6	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	869	1057	188	21.6%	6.1	Fail Mid
169	2	Haven Bridge	NE	SW	872:50	613	672	59	9.7%	2.3	Pass Low
170	2	Haven Bridge	SW	NE	50:872	759	824	65	8.6%	2.3	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	480	635	155	32.2%	6.5	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	571	643	72	12.7%	2.9	Pass Low
175	5	North Denes Rd	S	N	1270:559	153	148	-5	-3.5%	0.4	Pass Low
176	5	North Denes Rd	N	S	559:1270	102	105	3	3.3%	0.3	Pass Low
177	6	North Drive	S	N	1262:557	196	249	53	27.0%	3.6	Pass Low
178	6	North Drive	N	S	557:1262	180	164	-16	-8.7%	1.2	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	403	384	-19	-4.8%	1.0	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	444	437	-7	-1.7%	0.4	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	959	1046	87	9.0%	2.7	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	924	1045	121	13.1%	3.8	Pass Mid
187	11	South Denes Rd	S	N	681:678	134	107	-27	-19.9%	2.4	Pass Low
188	11	South Denes Rd	N	S	678:681	121	97	-24	-20.0%	2.3	Pass Low
189	12	South Beach Parade	S	N	674:672	61	79	18	29.8%	2.2	Pass Low
190	12	South Beach Parade	N	S	672:674	69	85	16	22.9%	1.8	Pass Low
195	17	Southtown Rd	S	N	419:420	302	257	-45	-15.0%	2.7	Pass Low
196	17	Southtown Rd	N	S	420:419	268	172	-96	-35.8%	6.5	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	233	222	-11	-4.6%	0.7	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	446	443	-3	-0.7%	0.2	Pass Low
199	19	Euston Rd	E	W	532:339	142	113	-29	-20.6%	2.6	Pass Low
200	19	Euston Rd	W	E	339:532	133	151	18	13.2%	1.5	Pass Low
201	20	Acle New Rd	SE	NW	12:1	843	997	154	18.2%	5.1	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	745	771	26	3.4%	0.9	Pass Mid





Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	0	2	2		2.1	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	3	4	1	26.7%	0.4	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	17	21	4	24.7%	1.0	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	1	0	-1	-80.0%	1.0	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	1	1		1.4	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	0	0	0		0.0	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	2	6	4	220.0%	2.1	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	12	1	-11	-93.3%	4.4	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	31	1	-30	-96.8%	7.5	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	32	12	-20	-63.8%	4.4	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	17	32	15	89.4%	3.1	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	13	15	2	16.9%	0.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	14	15	1	7.1%	0.3	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	1	1	0	-20.0%	0.2	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	1	1	0	-20.0%	0.2	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	26	30	4	14.6%	0.7	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	30	29	-1	-3.3%	0.2	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	2	0	-2	-100.0%	2.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	1	2	1	100.0%	0.8	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	3	5	2	66.7%	1.0	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	37	51	14	37.3%	2.1	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	1	4	3	320.0%	2.0	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	0	29	29		7.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	15	23	8	50.7%	1.8	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	34	30	-4	-12.4%	0.7	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	5	5	0	-4.0%	0.1	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	25	11	-14	-54.4%	3.2	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	9	7	-2	-20.0%	0.6	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	34	40	6	17.6%	1.0	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	7	9	2	34.3%	0.8	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	12	5	-7	-56.7%	2.3	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	17	24	7	41.2%	1.5	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	7	8	1	17.1%	0.4	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	48	33	-15	-32.1%	2.4	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	22	14	-8	-35.5%	1.8	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	1	1	0	40.0%	0.4	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	10	9	-1	-14.0%	0.5	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	8	9	1	12.5%	0.3	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	2	1	-1	-50.0%	0.8	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	6	13	7	110.0%	2.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	27	43	16	60.0%	2.7	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	19	10	-9	-47.4%	2.4	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	12	5	-7	-60.0%	2.5	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	0	0	0		0.0	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	3	1	-2	-66.7%	1.4	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	3	0	-3	-100.0%	2.4	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	43	35	-8	-17.7%	1.2	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	4	7	3	75.0%	1.3	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	12	13	1	8.3%	0.3	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	16	8	-8	-48.8%	2.2	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	21	2	-19	-92.4%	5.8	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	16	15	-1	-5.0%	0.2	Pass Low
65	5	Hall Quay	A	B	37z:44:52	15	20	5	34.7%	1.2	Pass Low
66	5	Hall Quay	B	A	52:44:37z	47	7	-40	-86.0%	7.8	Pass Low
67	5	Hall Quay	B	C	52:97z:51	52	37	-15	-28.1%	2.2	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	29	6	-23	-80.0%	5.6	Pass Low
69	5	Hall Quay	C	B	51:44:52	30	21	-9	-30.7%	1.8	Pass Low
70	6	Station Access	A	B	114:4:92z	47	70	23	48.1%	3.0	Pass Low
71	6	Station Access	A	C	114:4:91	5	3	-2	-40.0%	1.0	Pass Low
72	6	Station Access	B	A	92z:4:114	51	39	-12	-24.3%	1.9	Pass Low
73	6	Station Access	B	C	92z:4:91	1	1	0	0.0%	0.0	Pass Low
74	6	Station Access	C	A	91:4:114	1	68	67	6680.0%	11.4	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	0	0	0		0.0	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	23	7	-16	-71.3%	4.3	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	6	1	-5	-90.0%	3.0	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	4	7	3	85.0%	1.4	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	1	0	-1	-60.0%	0.7	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	0	0		0.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	0	0	0		0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	1	1		1.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	0	0		0.0	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	21	1	-20	-96.2%	6.1	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	5	3	-2	-48.0%	1.2	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	4	0	-4	-95.0%	2.6	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	3	1	-2	-60.0%	1.2	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	2	1	-1	-70.0%	1.2	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	1	1	0	20.0%	0.2	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	0	2	2		1.9	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	0	1	1		1.3	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	5	6	1	16.0%	0.3	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	2	0	-2	-80.0%	1.5	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	1	0	-1	-80.0%	1.0	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	0	0	0		0.0	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	0	0	0		0.0	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	0	0	0		0.0	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	0	1	1		1.1	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	1	0	-1	-80.0%	1.0	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	30	7	-23	-77.3%	5.4	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	7	1	-6	-82.9%	2.9	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	18	6	-12	-68.9%	3.6	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	11	4	-7	-60.0%	2.4	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	10	6	-4	-36.0%	1.3	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	12	13	1	5.0%	0.2	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	3	1	-2	-66.7%	1.4	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	0	0	0		0.6	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	2	0	-2	-100.0%	2.0	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	4	2	-2	-40.0%	0.9	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	23	10	-13	-56.5%	3.2	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	22	25	3	11.8%	0.5	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	0	0	0		0.0	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	33	8	-25	-75.8%	5.5	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	8	2	-6	-80.0%	2.9	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	2	0	-2	-100.0%	2.0	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	24	17	-7	-27.5%	1.5	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	6	3	-3	-43.3%	1.2	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	20	5	-15	-73.0%	4.1	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	12	2	-10	-86.7%	4.0	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	33	18	-15	-46.7%	3.1	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	3	0	-3	-100.0%	2.4	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	3	0	-3	-100.0%	2.4	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	4	1	-3	-75.0%	1.9	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	0	0	0		0.0	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	2	1	-1	-60.0%	1.0	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	4	0	-4	-100.0%	2.8	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	0	0	0		0.0	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	6	0	-6	-96.7%	3.3	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	1	1	0	40.0%	0.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	4	1	-3	-85.0%	2.2	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	2	1	-1	-60.0%	1.0	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	6	4	-2	-33.3%	0.9	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	8	4	-4	-50.0%	1.6	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	7	0	-7	-97.1%	3.6	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	41	42	1	2.4%	0.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	9	8	-1	-6.7%	0.2	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	1	3	2	240.0%	1.6	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	57	35	-22	-38.2%	3.2	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	1	0	-1	-80.0%	1.0	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	1	0	-1	-100.0%	1.4	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	6	0	-6	-100.0%	3.5	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	2	0	-2	-100.0%	2.0	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	5	4	-1	-28.0%	0.7	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	18	10	-8	-44.4%	2.1	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	3	2	-1	-40.0%	0.8	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	9	23	14	160.0%	3.6	Pass Low
174	4	Northgate Street	N	S	543:1365	12	9	-3	-25.0%	0.9	Pass Low
181	8	Burgh Rd	W	E	1057:1051	6	5	-1	-10.0%	0.3	Pass Low
182	8	Burgh Rd	E	W	1051:1057	7	8	1	14.3%	0.4	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	16	16	0	2.5%	0.1	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	17	18	1	8.2%	0.3	Pass Low
193	14	Caister Road	S	N	369:536	36	55	19	51.7%	2.8	Pass Low
194	14	Caister Road	N	S	536:369	34	34	0	1.2%	0.1	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	11	18	7	67.3%	1.9	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	3	1	-2	-66.7%	1.4	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	10	17	7	72.0%	2.0	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	1	0	-1	-100.0%	1.4	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	3	1	-2	-60.0%	1.2	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	0	0	0		0.0	Pass Low
209	21	Matalan Access	exit		85:82	1	2	1	100.0%	0.8	Pass Low
210	21	Matalan Access		access	82:85	1	2	1	100.0%	0.8	Pass Low
211	22	Station Road	exit		78:79	3	2	-1	-26.7%	0.5	Pass Low
212	22	Station Road		access	79:78	2	2	0	0.0%	0.0	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	5	1	-4	-80.0%	2.3	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	0	0	0		0.0	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	6	6	0	-6.7%	0.2	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	1	0	-1	-100.0%	1.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	0	0	0		0.0	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	25	26	1	2.4%	0.1	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	0	1	1		1.1	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	3	0	-3	-93.3%	2.2	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	5	7	2	32.0%	0.7	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	6	5	-1	-16.7%	0.4	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	14	20	6	44.3%	1.5	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	13	5	-8	-60.0%	2.6	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	2	6	4	200.0%	2.0	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	15	15	0	2.7%	0.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	0	0	0		0.6	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	3	4	1	26.7%	0.4	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	0	0	0		0.0	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	0	0	0		0.0	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	0	0	0		0.6	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0		0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	0	0	0		0.0	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	0	0	0		0.0	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	0	0	0		0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	0	0		0.0	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	1	0	-1	-100.0%	1.4	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	2	0	-2	-80.0%	1.5	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0		0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	0	0	0		0.9	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	0	0		0.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	3	1	-2	-80.0%	1.8	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	1	0	-1	-100.0%	1.4	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	1	0	-1	-60.0%	0.7	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	0	1	1		1.7	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	0	0	0		0.6	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	6	3	-3	-43.3%	1.2	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	4	5	1	30.0%	0.6	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	0	1	1		1.1	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	0	1	1		1.1	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	12	13	1	6.7%	0.2	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	3	2	-1	-46.7%	0.9	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	1	0	-1	-60.0%	0.7	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	0	0	0		0.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	1	0	-1	-100.0%	1.4	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	2	0	-2	-90.0%	1.7	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	0	0		0.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	1	1	0	0.0%	0.0	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	0	3	3		2.4	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	0	0		0.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	0	1	1		1.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	1	0	-1	-100.0%	1.4	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	0	0		0.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	0	0	0		0.0	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	0	3	3		2.3	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	0	0	0		0.6	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	0	0	0		0.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	0	1	1		1.4	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	0	0	0		0.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	0	3	3		2.4	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	1	0	-1	-100.0%	1.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	0	1	1		1.4	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	0	3	3		2.4	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	17	6	-11	-64.7%	3.2	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	1	0	-1	-100.0%	1.4	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	1	1	0	-20.0%	0.2	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	24	6	-18	-75.8%	4.7	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	1	0	-1	-100.0%	1.4	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	5	0	-5	-92.0%	2.8	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	23	6	-17	-72.2%	4.3	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	0	0	0		0.9	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	24	6	-18	-73.3%	4.5	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	1	0	-1	-80.0%	1.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	1	2	1	140.0%	1.1	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	24	9	-15	-63.3%	3.8	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	0	0	0		0.0	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	0	4	4		3.0	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	23	7	-16	-70.4%	4.2	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	1	0	-1	-100.0%	1.4	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	2	5	3	160.0%	1.7	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	2	1	-1	-70.0%	1.2	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	23	12	-11	-46.1%	2.5	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	0	0		0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	1	1		1.3	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	1	4	3	320.0%	2.0	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	23	12	-11	-46.1%	2.5	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	2	2	0	-10.0%	0.1	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	4	3	-1	-20.0%	0.4	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	0	2	2		1.9	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	1	0	-1	-100.0%	1.4	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	2	2	0	-10.0%	0.1	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	0	0	0		0.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	0	0	0		0.9	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	1	2	1	80.0%	0.7	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	19	14	-5	-24.2%	1.1	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	7	15	8	108.6%	2.3	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	8	5	-3	-40.0%	1.3	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	7	3	-4	-57.1%	1.8	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	1	0	-1	-80.0%	1.0	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	3	1	-2	-80.0%	1.8	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	11	7	-4	-36.4%	1.3	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	15	19	4	29.3%	1.1	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	4	0	-4	-100.0%	2.8	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	0	0	0		0.0	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	12	9	-3	-21.7%	0.8	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	0	1	1		1.1	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	0	1	1		1.1	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	18	6	-12	-67.8%	3.5	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	13	19	6	47.7%	1.5	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	6	2	-4	-70.0%	2.1	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	0	0		0.6	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	25	25	0	1.6%	0.1	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.0	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.0	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	20	21	1	4.0%	0.2	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	2	1	-1	-70.0%	1.2	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Validation Statistics  
HGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	1	5	4	380.0%	2.2	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	3	1	-2	-53.3%	1.1	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	1	0	-1	-100.0%	1.4	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	0	6	6		3.5	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	8	3	-5	-65.0%	2.2	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	8	9	1	12.5%	0.3	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	2	0	-2	-100.0%	2.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	1	1	0	0.0%	0.0	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	47	47	0	-0.9%	0.1	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	40	57	17	41.5%	2.4	Pass Low
169	2	Haven Bridge	NE	SW	872:50	46	37	-9	-18.7%	1.3	Pass Low
170	2	Haven Bridge	SW	NE	50:872	46	26	-20	-42.6%	3.3	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	15	27	12	80.0%	2.6	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	24	33	9	35.8%	1.6	Pass Low
175	5	North Denes Rd	S	N	1270:559	6	1	-5	-76.7%	2.4	Pass Low
176	5	North Denes Rd	N	S	559:1270	3	0	-3	-93.3%	2.2	Pass Low
177	6	North Drive	S	N	1262:557	6	4	-2	-33.3%	0.9	Pass Low
178	6	North Drive	N	S	557:1262	8	4	-4	-50.0%	1.6	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	13	13	0	-1.5%	0.1	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	15	14	-1	-6.7%	0.3	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	53	55	2	3.8%	0.3	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	47	58	11	23.8%	1.5	Pass Low
187	11	South Denes Rd	S	N	681:678	16	9	-7	-45.0%	2.0	Pass Low
188	11	South Denes Rd	N	S	678:681	10	7	-3	-32.0%	1.1	Pass Low
189	12	South Beach Parade	S	N	674:672	3	2	-1	-26.7%	0.5	Pass Low
190	12	South Beach Parade	N	S	672:674	3	4	1	26.7%	0.4	Pass Low
195	17	Southtown Rd	S	N	419:420	24	10	-14	-60.0%	3.5	Pass Low
196	17	Southtown Rd	N	S	420:419	26	8	-18	-70.8%	4.5	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	6	4	-2	-33.3%	0.9	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	44	22	-22	-50.9%	3.9	Pass Low
199	19	Euston Rd	E	W	532:339	4	1	-3	-80.0%	2.1	Pass Low
200	19	Euston Rd	W	E	339:532	4	1	-3	-85.0%	2.2	Pass Low
201	20	Acle New Rd	SE	NW	12:1	42	40	-2	-4.8%	0.3	Pass Low
202	20	Acle New Rd	NW	SE	1:12	44	63	19	43.6%	2.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	4	8	4	100.0%	1.6	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	27	22	-5	-17.0%	0.9	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	78	81	3	4.1%	0.4	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	8	3	-5	-60.0%	2.0	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	2	2	0	0.0%	0.0	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	8	8	0	-5.0%	0.1	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	29	28	-1	-4.1%	0.2	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	35	35	0	-0.6%	0.0	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	15	19	4	25.3%	0.9	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	1	0	-1	-100.0%	1.4	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	28	34	6	20.7%	1.0	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	77	61	-16	-20.5%	1.9	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	29	38	9	32.4%	1.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	13	25	12	89.2%	2.7	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	1	1	0	-40.0%	0.4	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	2	2	0	10.0%	0.1	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	36	47	11	29.4%	1.6	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	55	69	14	25.8%	1.8	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	0	1	1		1.1	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	6	7	1	13.3%	0.3	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	8	7	-1	-15.0%	0.4	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	42	44	2	4.8%	0.3	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	5	6	1	12.0%	0.3	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	5	11	6	124.0%	2.2	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	84	87	3	3.8%	0.3	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	72	72	0	-0.6%	0.0	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	5	7	2	32.0%	0.7	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	72	74	2	2.8%	0.2	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	32	20	-12	-36.3%	2.3	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	94	105	11	11.3%	1.1	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	25	38	13	52.0%	2.3	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	15	12	-3	-22.7%	0.9	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	72	73	1	0.8%	0.1	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	37	41	4	11.9%	0.7	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	99	99	0	-0.4%	0.0	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	68	52	-16	-24.1%	2.1	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	10	14	4	40.0%	1.2	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	34	40	6	17.1%	1.0	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	34	30	-4	-11.8%	0.7	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	7	15	8	120.0%	2.5	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	26	39	13	49.2%	2.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	132	141	9	7.0%	0.8	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	18	12	-6	-31.1%	1.4	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	32	29	-3	-9.4%	0.5	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	1	1	0	20.0%	0.2	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	3	5	2	53.3%	0.8	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	20	17	-3	-17.0%	0.8	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	116	127	11	9.3%	1.0	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	23	17	-6	-25.2%	1.3	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	39	36	-3	-8.2%	0.5	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	28	8	-20	-70.0%	4.6	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	21	13	-8	-38.1%	1.9	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	38	26	-12	-31.6%	2.1	Pass Low
65	5	Hall Quay	A	B	37z:44:52	54	49	-5	-10.0%	0.8	Pass Low
66	5	Hall Quay	B	A	52:44:37z	36	52	16	43.3%	2.4	Pass Low
67	5	Hall Quay	B	C	52:97z:51	115	97	-18	-16.0%	1.8	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	47	49	2	4.7%	0.3	Pass Low
69	5	Hall Quay	C	B	51:44:52	87	71	-16	-18.6%	1.8	Pass Low
70	6	Station Access	A	B	114:4:92z	118	132	14	12.0%	1.3	Pass Low
71	6	Station Access	A	C	114:4:91	4	6	2	60.0%	1.1	Pass Low
72	6	Station Access	B	A	92z:4:114	123	131	8	6.3%	0.7	Pass Low
73	6	Station Access	B	C	92z:4:91	10	12	2	18.0%	0.5	Pass Low
74	6	Station Access	C	A	91:4:114	13	17	4	30.8%	1.0	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	13	1	-12	-90.8%	4.4	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	23	26	3	14.8%	0.7	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	6	10	4	60.0%	1.3	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	4	3	-1	-30.0%	0.7	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	4	1	-3	-80.0%	2.1	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	2	2		1.9	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	1	2	1	120.0%	0.9	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	1	2	1	60.0%	0.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	1	0	-1	-60.0%	0.7	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	2	0	-2	-90.0%	1.7	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	21	9	-12	-56.2%	3.0	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	4	9	5	135.0%	2.1	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	11	10	-1	-7.3%	0.2	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	7	3	-4	-62.9%	2.0	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	8	6	-2	-27.5%	0.8	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	7	10	3	37.1%	0.9	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	2	6	4	180.0%	1.8	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	3	1	-2	-73.3%	1.6	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	5	9	4	84.0%	1.6	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	4	7	3	75.0%	1.3	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	1	2	1	80.0%	0.7	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	1	1	0	-40.0%	0.4	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	2	4	2	120.0%	1.3	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	3	2	-1	-33.3%	0.6	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	2	4	2	90.0%	1.1	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	1	0	-1	-80.0%	1.0	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	31	35	4	14.2%	0.8	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	13	19	6	44.6%	1.5	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	30	28	-2	-6.7%	0.4	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	42	33	-9	-22.4%	1.5	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	11	7	-4	-34.5%	1.3	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	36	37	1	2.2%	0.1	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	9	8	-1	-13.3%	0.4	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	2	1	-1	-50.0%	0.8	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	4	4	0	-5.0%	0.1	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	15	6	-9	-58.7%	2.7	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	28	19	-9	-32.1%	1.9	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	73	70	-3	-3.6%	0.3	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	1	2	1	60.0%	0.5	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	40	42	2	6.0%	0.4	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	6	14	8	140.0%	2.6	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	2	3	1	30.0%	0.4	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	89	70	-19	-21.1%	2.1	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	10	8	-2	-24.0%	0.8	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	16	10	-6	-36.3%	1.6	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	12	24	12	103.3%	2.9	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	39	43	4	9.2%	0.6	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	1	0	-1	-60.0%	0.7	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	13	11	-2	-18.5%	0.7	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	5	5	0	4.0%	0.1	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	2	1	-1	-50.0%	0.8	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	1	1		1.5	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	15	11	-4	-25.3%	1.0	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	11	8	-3	-25.5%	0.9	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	1	2	1	120.0%	0.9	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	11	10	-1	-5.5%	0.2	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	4	3	-1	-35.0%	0.8	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	13	10	-3	-21.5%	0.8	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	4	6	2	40.0%	0.7	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	19	19	0	-1.1%	0.0	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	17	22	5	28.2%	1.1	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	14	5	-9	-62.9%	2.8	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	109	107	-2	-1.8%	0.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	68	45	-23	-33.8%	3.1	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	10	4	-6	-58.0%	2.2	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	88	102	14	16.1%	1.5	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	7	1	-6	-91.4%	3.3	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	10	1	-9	-86.0%	3.6	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	13	2	-11	-83.1%	3.9	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	8	3	-5	-67.5%	2.3	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	8	9	1	7.5%	0.2	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	37	19	-18	-47.6%	3.3	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	20	22	2	11.0%	0.5	Pass Low





**Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	25	23	-2	-8.0%	0.4	Pass Low
174	4	Northgate Street	N	S	543:1365	31	27	-4	-12.9%	0.7	Pass Low
181	8	Burgh Rd	W	E	1057:1051	16	16	0	-2.5%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	15	16	1	9.3%	0.4	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	46	45	-1	-2.2%	0.1	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	48	46	-2	-3.3%	0.2	Pass Low
193	14	Caister Road	S	N	369:536	101	105	4	3.8%	0.4	Pass Low
194	14	Caister Road	N	S	536:369	96	104	8	8.5%	0.8	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	76	79	3	3.9%	0.3	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	20	15	-5	-23.0%	1.1	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	54	66	12	22.2%	1.5	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	8	10	2	20.0%	0.5	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	28	19	-9	-32.9%	1.9	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	8	8	0	-5.0%	0.1	Pass Low
209	21	Matalan Access	exit		85:82	1	1	0	-20.0%	0.2	Pass Low
210	21	Matalan Access		access	82:85	3	1	-2	-73.3%	1.6	Pass Low
211	22	Station Road	exit		78:79	17	28	11	65.9%	2.4	Pass Low
212	22	Station Road		access	79:78	3	10	7	220.0%	2.6	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	9	10	1	11.1%	0.3	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	1	1	0	0.0%	0.0	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	24	32	8	31.7%	1.4	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	5	6	1	24.0%	0.5	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	4	6	2	40.0%	0.7	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	64	73	9	14.7%	1.1	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	0	1	1		1.3	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	18	9	-9	-51.1%	2.5	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	21	21	0	1.9%	0.1	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	19	21	2	9.5%	0.4	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	66	62	-4	-6.4%	0.5	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	23	19	-4	-16.5%	0.8	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	34	24	-10	-28.2%	1.8	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	29	22	-7	-22.8%	1.3	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	2	5	3	130.0%	1.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	26	24	-2	-6.2%	0.3	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	8	6	-2	-27.5%	0.8	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	2	1	-1	-70.0%	1.2	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	1	0	-1	-80.0%	1.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	3	0	-3	-100.0%	2.4	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	1	0	-1	-60.0%	0.7	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	8	3	-5	-62.5%	2.1	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	1	1	0	-40.0%	0.4	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	1	1		1.1	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	1	2	1	80.0%	0.7	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	17	8	-9	-55.3%	2.7	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	1	1		1.1	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	2	1	-1	-70.0%	1.2	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	1	0	-1	-80.0%	1.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	1	2	1	140.0%	1.1	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	2	2		1.9	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	11	10	-1	-7.3%	0.2	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	1	1	0	-20.0%	0.2	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	10	12	2	18.0%	0.5	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	9	4	-5	-55.6%	2.0	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	10	7	-3	-26.0%	0.9	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	37	19	-18	-48.6%	3.4	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	12	16	4	35.0%	1.1	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	6	9	3	43.3%	1.0	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	5	4	-1	-16.0%	0.4	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	26	21	-5	-17.7%	0.9	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	7	2	-5	-65.7%	2.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	2	6	4	180.0%	1.8	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	2	1	-1	-50.0%	0.8	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	4	0	-4	-100.0%	2.8	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	4	1	-3	-65.0%	1.6	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	2	2		2.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	24	20	-4	-15.0%	0.8	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	13	15	2	12.3%	0.4	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	6	6		3.3	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	4	7	3	70.0%	1.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	20	13	-7	-37.0%	1.8	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	1	1		1.3	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	4	9	5	135.0%	2.1	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	2	4	2	90.0%	1.1	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	2	0	-2	-100.0%	2.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	12	12	0	-1.7%	0.1	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	6	6	0	-6.7%	0.2	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	23	14	-9	-39.1%	2.1	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	3	3	0	-6.7%	0.1	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	1	1		1.1	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	12	15	3	21.7%	0.7	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	2	0	-2	-100.0%	2.0	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	22	14	-8	-36.4%	1.9	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.6	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	13	15	2	15.4%	0.5	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	20	20	0	0.0%	0.0	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	2	3	1	50.0%	0.6	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	9	5	-4	-44.4%	1.5	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	24	19	-5	-19.2%	1.0	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	3	2	-1	-40.0%	0.8	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	4	3	-1	-20.0%	0.4	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	23	23	0	0.0%	0.0	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.6	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	6	3	-3	-50.0%	1.4	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	32	24	-8	-24.4%	1.5	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	1	0	-1	-100.0%	1.4	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	1	2	1	100.0%	0.8	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	25	23	-2	-8.0%	0.4	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	1	2	1	80.0%	0.7	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	4	8	4	110.0%	1.8	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	32	26	-6	-20.0%	1.2	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	6	2	-4	-73.3%	2.3	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	9	16	7	75.6%	1.9	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	0	0		0.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	32	39	7	20.6%	1.1	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	2	1	-1	-60.0%	1.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	0	0		0.9	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	5	8	3	56.0%	1.1	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	39	35	-4	-10.3%	0.7	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	2	2	0	-20.0%	0.3	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	4	14	10	255.0%	3.4	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	3	13	10	320.0%	3.4	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	0	3	3		2.5	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	24	19	-5	-21.7%	1.1	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	2	0	-2	-80.0%	1.5	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	0	0	0		0.9	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	11	8	-3	-23.6%	0.8	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	45	37	-8	-18.7%	1.3	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	33	39	6	19.4%	1.1	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	17	31	14	80.0%	2.8	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	25	27	2	6.4%	0.3	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	4	2	-2	-45.0%	1.0	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	1	4	3	280.0%	1.8	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	33	28	-5	-15.8%	0.9	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	57	70	13	22.5%	1.6	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	23	3	-20	-88.7%	5.7	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	0	-1	-60.0%	0.7	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	68	50	-18	-26.5%	2.3	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	4	5	1	15.0%	0.3	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	7	10	3	45.7%	1.1	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:811z	56	52	-4	-7.5%	0.6	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	57	44	-13	-22.5%	1.8	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	18	26	8	46.7%	1.8	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	1	1		1.7	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	71	83	12	17.2%	1.4	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.9	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	3	0	-3	-93.3%	2.2	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	90	77	-13	-14.9%	1.5	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	0	3	3		2.5	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	1	1		1.1	Pass Low



Vehicle Flow Information  
Validation Statistics  
LGV Vehicles  
IP Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	4	3	-1	-35.0%	0.8	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	28	22	-6	-21.4%	1.2	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	10	9	-1	-8.0%	0.3	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	18	18	0	1.1%	0.0	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	5	2	-3	-56.0%	1.5	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	38	38	0	-1.1%	0.1	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	0	0	0		0.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	4	3	-1	-35.0%	0.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	140	152	12	8.6%	1.0	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	146	164	18	12.3%	1.4	Pass Low
169	2	Haven Bridge	NE	SW	872:50	98	97	-1	-1.4%	0.1	Pass Low
170	2	Haven Bridge	SW	NE	50:872	110	120	10	9.3%	1.0	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	73	105	32	44.4%	3.4	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	94	90	-4	-4.5%	0.4	Pass Low
175	5	North Denes Rd	S	N	1270:559	16	10	-6	-37.5%	1.7	Pass Low
176	5	North Denes Rd	N	S	559:1270	11	15	4	40.0%	1.2	Pass Low
177	6	North Drive	S	N	1262:557	22	26	4	18.2%	0.8	Pass Low
178	6	North Drive	N	S	557:1262	22	25	3	13.6%	0.6	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	53	53	0	-0.4%	0.0	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	66	65	-1	-1.8%	0.1	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	159	181	22	13.7%	1.7	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	164	172	8	4.9%	0.6	Pass Low
187	11	South Denes Rd	S	N	681:678	30	25	-5	-17.3%	1.0	Pass Low
188	11	South Denes Rd	N	S	678:681	23	27	4	18.3%	0.8	Pass Low
189	12	South Beach Parade	S	N	674:672	7	13	6	85.7%	1.9	Pass Low
190	12	South Beach Parade	N	S	672:674	8	13	5	62.5%	1.5	Pass Low
195	17	Southtown Rd	S	N	419:420	38	34	-4	-11.6%	0.7	Pass Low
196	17	Southtown Rd	N	S	420:419	35	27	-8	-21.7%	1.4	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	30	25	-5	-18.0%	1.0	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	56	51	-5	-8.2%	0.6	Pass Low
199	19	Euston Rd	E	W	532:339	20	13	-7	-33.0%	1.6	Pass Low
200	19	Euston Rd	W	E	339:532	18	13	-5	-28.9%	1.3	Pass Low
201	20	Acle New Rd	SE	NW	12:1	132	143	11	8.3%	0.9	Pass Low
202	20	Acle New Rd	NW	SE	1:12	120	125	5	4.0%	0.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	80	156	76	95.0%	4.0	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	574	614	40	6.9%	0.9	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	1941	1938	-3	-0.2%	0.0	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	103	61	-42	-40.4%	2.6	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	38	25	-13	-33.7%	1.3	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	224	145	-79	-35.1%	3.3	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	810	890	80	9.9%	1.6	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	903	798	-105	-11.6%	2.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	559	394	-165	-29.5%	4.4	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	8	0	-8	-97.5%	2.2	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	712	659	-53	-7.5%	1.2	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	1476	1406	-70	-4.8%	1.1	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	821	899	78	9.5%	1.5	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	454	461	7	1.6%	0.2	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	19	17	-2	-9.5%	0.2	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	26	25	-1	-2.3%	0.1	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	807	781	-26	-3.2%	0.5	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	1121	1143	22	1.9%	0.4	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	22	18	-4	-18.2%	0.5	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	74	74	0	-0.5%	0.0	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	101	108	7	6.9%	0.4	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	898	863	-35	-3.9%	0.7	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	90	81	-9	-9.6%	0.5	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	435	474	39	8.9%	1.1	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	2460	2599	139	5.6%	1.6	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	1218	1168	-50	-4.1%	0.8	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	99	93	-6	-6.1%	0.4	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	1770	1842	72	4.1%	1.0	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	697	714	17	2.5%	0.4	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	2110	2188	78	3.7%	1.0	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	872	900	28	3.2%	0.5	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	356	344	-12	-3.5%	0.4	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	1681	1838	157	9.3%	2.2	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	1118	1104	-14	-1.2%	0.2	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	1979	1936	-43	-2.2%	0.6	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	1302	1420	118	9.1%	1.8	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	379	440	61	16.1%	1.7	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	828	851	23	2.8%	0.5	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	919	788	-131	-14.2%	2.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	298	426	128	43.0%	3.9	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	928	952	24	2.6%	0.4	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	2916	3246	330	11.3%	3.4	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	254	236	-18	-7.1%	0.7	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	593	561	-32	-5.5%	0.8	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	48	11	-37	-77.5%	4.0	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	136	128	-8	-5.6%	0.4	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	215	219	4	2.0%	0.2	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	2771	3046	275	9.9%	2.9	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	373	485	112	29.9%	3.1	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	338	347	9	2.6%	0.3	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	314	214	-100	-31.8%	3.5	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	365	236	-129	-35.5%	4.3	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	378	384	6	1.5%	0.2	Pass Low
65	5	Hall Quay	A	B	37z:44:52	1162	1076	-86	-7.4%	1.5	Pass Low
66	5	Hall Quay	B	A	52:44:37z	914	804	-110	-12.0%	2.2	Pass Low
67	5	Hall Quay	B	C	52:97z:51	2648	2345	-303	-11.5%	3.5	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	1628	1526	-102	-6.3%	1.5	Pass Low
69	5	Hall Quay	C	B	51:44:52	1490	1339	-151	-10.1%	2.3	Pass Low
70	6	Station Access	A	B	114:4:92z	2774	2840	66	2.4%	0.7	Pass Mid
71	6	Station Access	A	C	114:4:91	322	322	0	0.0%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	2860	2903	43	1.5%	0.5	Pass Mid
73	6	Station Access	B	C	92z:4:91	612	586	-26	-4.3%	0.6	Pass Low
74	6	Station Access	C	A	91:4:114	1018	1129	111	10.9%	2.0	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	55	12	-43	-77.5%	4.2	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	824	780	-44	-5.3%	0.9	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	360	270	-90	-25.1%	2.9	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	133	126	-7	-5.6%	0.4	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	64	15	-49	-76.9%	4.5	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	19	36	17	91.6%	1.9	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	29	43	14	49.7%	1.4	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	14	65	51	362.9%	4.7	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	9	23	14	151.1%	2.0	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	8	2	-6	-80.0%	1.7	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	731	353	-378	-51.8%	9.4	Fail Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	124	228	104	83.5%	4.5	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	326	308	-18	-5.4%	0.6	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	110	71	-39	-35.6%	2.4	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	271	317	46	17.1%	1.6	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	160	249	89	55.4%	3.6	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-100.0%	0.8	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	47	108	61	128.9%	4.0	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	75	34	-41	-54.7%	3.2	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	121	219	98	80.7%	4.3	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	322	320	-2	-0.7%	0.1	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	39	77	38	97.4%	2.9	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	27	8	-19	-71.9%	2.7	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	30	37	7	24.0%	0.7	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	84	33	-51	-61.2%	3.9	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	61	74	13	21.6%	0.9	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	25	10	-15	-60.0%	2.1	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	1082	942	-140	-12.9%	2.5	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	269	224	-45	-16.9%	1.7	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	889	842	-47	-5.2%	0.9	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	717	700	-17	-2.4%	0.4	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	207	151	-56	-27.1%	2.4	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	829	981	152	18.4%	2.9	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	218	201	-17	-7.9%	0.7	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	74	41	-33	-45.1%	2.5	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	112	98	-14	-12.5%	0.8	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	177	191	14	7.7%	0.6	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	812	554	-258	-31.8%	5.7	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	1661	1596	-65	-3.9%	0.9	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	79	85	6	7.3%	0.4	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	1318	1069	-249	-18.9%	4.2	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	456	336	-120	-26.3%	3.5	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	81	94	13	16.0%	0.8	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	1515	1607	92	6.0%	1.3	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	305	193	-112	-36.9%	4.1	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	623	385	-238	-38.2%	6.1	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	387	339	-48	-12.3%	1.4	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	1107	1128	21	1.9%	0.4	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	23	22	-1	-4.3%	0.1	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	280	316	36	13.0%	1.2	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:502	222	203	-19	-8.6%	0.8	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	41	34	-7	-17.6%	0.7	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	24	38	14	57.5%	1.4	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:502	423	316	-107	-25.2%	3.2	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	349	245	-104	-29.9%	3.5	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	15	60	45	298.7%	4.2	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:502	280	313	33	11.9%	1.1	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	5002:339:465	189	168	-21	-11.0%	0.9	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	5002:339:532	382	403	21	5.5%	0.6	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	5002:339:505	151	203	52	34.7%	2.3	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	2	0	-2	-100.0%	1.2	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	501	484	-17	-3.4%	0.4	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	699	638	-61	-8.7%	1.4	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	227	140	-87	-38.4%	3.7	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	1773	1857	84	4.7%	1.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	1858	1537	-321	-17.3%	4.5	Fail Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	201	146	-55	-27.6%	2.4	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	1474	1632	158	10.7%	2.3	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	182	26	-156	-85.6%	8.8	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	192	108	-84	-43.8%	4.0	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	315	33	-282	-89.5%	12.3	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	199	70	-129	-64.9%	6.4	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	282	312	30	10.5%	1.0	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	1007	585	-422	-41.9%	8.6	Fail Low
166	15	Alexandra Rd	B	C	338:187:143	477	574	97	20.3%	2.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	732	745	13	1.8%	0.3	Pass Low
174	4	Northgate Street	N	S	543:1365	883	686	-197	-22.3%	4.1	Pass Low
181	8	Burgh Rd	W	E	1057:1051	555	548	-7	-1.2%	0.2	Pass Low
182	8	Burgh Rd	E	W	1051:1057	508	515	7	1.3%	0.2	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	1033	1002	-31	-3.0%	0.6	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	1100	1064	-36	-3.3%	0.6	Pass Low
193	14	Caister Road	S	N	369:536	2273	2303	30	1.3%	0.4	Pass Mid
194	14	Caister Road	N	S	536:369	2078	2095	17	0.8%	0.2	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	1409	1639	230	16.3%	3.4	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	922	801	-121	-13.1%	2.4	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	1083	1226	143	13.2%	2.4	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	263	257	-6	-2.1%	0.2	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	930	843	-87	-9.4%	1.7	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	310	319	9	3.0%	0.3	Pass Low
209	21	Matalan Access	exit		85:82	215	237	22	10.4%	0.9	Pass Low
210	21	Matalan Access		access	82:85	209	224	15	7.1%	0.6	Pass Low
211	22	Station Road	exit		78:79	748	695	-53	-7.1%	1.1	Pass Low
212	22	Station Road		access	79:78	266	253	-13	-4.9%	0.5	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	360	283	-77	-21.4%	2.5	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	154	108	-46	-30.0%	2.3	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	1015	905	-110	-10.8%	2.0	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	302	208	-94	-31.0%	3.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	284	228	-56	-19.6%	2.0	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	1512	1538	26	1.7%	0.4	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	168	75	-93	-55.5%	4.9	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	334	280	-54	-16.2%	1.8	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	742	846	104	14.0%	2.1	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	1113	867	-246	-22.1%	4.5	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	1254	1378	124	9.9%	2.0	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	713	671	-42	-5.9%	0.9	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	831	694	-137	-16.4%	2.9	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	818	714	-104	-12.8%	2.2	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	28	87	59	212.1%	4.5	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	764	713	-51	-6.7%	1.1	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	220	187	-33	-14.8%	1.3	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	18	7	-11	-62.2%	1.8	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	12	28	16	135.0%	2.1	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	19	10	-9	-48.4%	1.4	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	10	17	7	70.0%	1.1	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	130	121	-9	-6.8%	0.5	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	13	6	-7	-53.8%	1.3	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	15	12	-3	-22.7%	0.5	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	34	22	-12	-36.5%	1.4	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	413	225	-188	-45.6%	6.1	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	5	5	0	-8.0%	0.1	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	10	8	-2	-16.0%	0.3	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	13	1	-12	-89.2%	2.5	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	27	44	17	62.2%	1.6	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	31	64	33	107.1%	2.8	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	461	374	-87	-18.9%	2.5	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	60	46	-14	-23.0%	1.1	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	298	361	63	21.2%	2.0	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	324	322	-2	-0.7%	0.1	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	272	297	25	9.0%	0.8	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	758	542	-216	-28.4%	4.9	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	588	485	-103	-17.6%	2.6	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	311	296	-15	-5.0%	0.5	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	190	172	-18	-9.5%	0.8	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	719	677	-42	-5.8%	0.9	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	128	69	-59	-46.4%	3.5	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	208	170	-38	-18.5%	1.6	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	39	7	-32	-81.5%	3.8	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	80	0	-80	-99.8%	7.3	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	94	50	-44	-46.8%	3.0	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	1	11	10	1020.0%	2.4	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	481	491	10	2.2%	0.3	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	430	380	-50	-11.7%	1.4	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	19	96	77	403.2%	5.8	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	74	129	55	74.3%	3.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	434	344	-90	-20.8%	2.6	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	18	18		3.5	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	152	146	-6	-3.8%	0.3	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	49	96	47	95.1%	3.2	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	7	0	-7	-97.1%	2.1	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	416	377	-39	-9.3%	1.1	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	122	104	-18	-14.8%	1.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	27	1	-26	-97.0%	4.1	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	384	357	-27	-7.1%	0.8	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	49	51	2	3.7%	0.1	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	7	3	-4	-51.4%	0.9	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	429	379	-50	-11.6%	1.4	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	22	7	-15	-70.0%	2.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	359	358	-1	-0.3%	0.0	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	28	23	-5	-18.6%	0.6	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	378	360	-18	-4.8%	0.5	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	296	311	15	5.1%	0.5	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	26	21	-5	-20.8%	0.6	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	100	53	-47	-46.6%	3.1	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	299	282	-17	-5.8%	0.6	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	19	12	-7	-35.8%	1.0	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	128	60	-68	-53.0%	4.0	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	423	366	-57	-13.4%	1.6	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	9	4	-5	-53.3%	1.1	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	56	32	-24	-43.6%	2.1	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	403	332	-71	-17.6%	2.1	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	4	3	-1	-25.0%	0.3	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	45	48	3	7.1%	0.3	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	454	389	-65	-14.4%	1.8	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	24	25	1	5.8%	0.2	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	99	85	-14	-14.5%	0.9	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	435	348	-87	-20.0%	2.5	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	27	16	-11	-40.0%	1.3	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	159	151	-8	-5.0%	0.4	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	13	3	-10	-75.4%	2.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	605	535	-70	-11.6%	1.7	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	7	7	0	5.7%	0.1	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	11	12	1	12.7%	0.2	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.4	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	2	2	0	-20.0%	0.2	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	97	136	39	40.2%	2.1	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	546	449	-97	-17.8%	2.5	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	41	20	-21	-50.2%	2.1	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	119	321	202	169.9%	7.9	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	37	287	250	676.8%	11.4	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	95	99	4	4.0%	0.2	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	489	442	-47	-9.6%	1.3	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	70	35	-35	-49.7%	2.8	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	22	16	-6	-25.5%	0.7	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	263	251	-12	-4.7%	0.4	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	737	757	20	2.7%	0.4	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	986	1145	159	16.1%	2.8	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	482	727	245	50.7%	5.7	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	630	602	-28	-4.4%	0.6	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	71	63	-8	-11.0%	0.5	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	30	63	33	109.3%	2.8	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	998	910	-88	-8.9%	1.7	Pass Low
325	unction	ccles Road/Malthouse Lane/Alpha Rd	115		885:901:913	1441	1864	423	29.3%	6.0	Fail Low
326	unction	ccles Road/Malthouse Lane/Alpha Rd	116		885:901:927	488	59	-429	-87.9%	15.0	Fail Low
327	unction	ccles Road/Malthouse Lane/Alpha Rd	117		927:913:914	32	8	-24	-75.0%	3.1	Pass Low
328	unction	ccles Road/Malthouse Lane/Alpha Rd	118		911:912:887	1609	1409	-200	-12.4%	3.0	Pass Low
329	unction	ccles Road/Malthouse Lane/Alpha Rd	119		911:912:972	21	101	80	382.9%	5.9	Pass Low
330	unction	ccles Road/Malthouse Lane/Alpha Rd	120		972:912:887	88	134	46	51.8%	2.5	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	1149	923	-226	-19.7%	4.1	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	1043	1139	96	9.2%	1.7	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	617	542	-75	-12.2%	1.8	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	2	53	51	2560.0%	5.6	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	2078	1870	-208	-10.0%	2.7	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	2	0	-2	-90.0%	1.0	Pass Low





Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	5	13	8	156.0%	1.5	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	7	16	9	128.6%	1.5	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	1927	1818	-109	-5.7%	1.5	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	13	101	88	676.9%	6.7	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	3	33	30	1000.0%	4.1	Pass Low



Vehicle Flow Information  
Validation Statistics  
All Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	121	109	-12	-10.1%	0.7	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	671	632	-39	-5.8%	0.9	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	303	338	35	11.5%	1.1	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	504	491	-13	-2.7%	0.3	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	188	60	-128	-68.2%	6.6	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	982	1065	83	8.5%	1.5	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	50	0	-50	-100.0%	5.8	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	93	107	14	15.1%	0.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	3046	3109	63	2.1%	0.7	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	3162	3837	675	21.4%	6.6	Fail Mid
169	2	Haven Bridge	NE	SW	872:50	2364	2341	-23	-1.0%	0.3	Pass Mid
170	2	Haven Bridge	SW	NE	50:872	2759	2872	113	4.1%	1.2	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	1709	2308	599	35.0%	7.7	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	2116	2228	112	5.3%	1.4	Pass Mid
175	5	North Denes Rd	S	N	1270:559	598	484	-114	-19.0%	2.8	Pass Low
176	5	North Denes Rd	N	S	559:1270	371	393	22	5.8%	0.6	Pass Low
177	6	North Drive	S	N	1262:557	718	823	105	14.6%	2.2	Pass Low
178	6	North Drive	N	S	557:1262	601	602	1	0.2%	0.0	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	1281	1243	-38	-3.0%	0.6	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	1643	1538	-105	-6.4%	1.5	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	3498	3895	397	11.3%	3.8	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	3495	3742	247	7.1%	2.4	Pass Mid
187	11	South Denes Rd	S	N	681:678	541	414	-127	-23.4%	3.3	Pass Low
188	11	South Denes Rd	N	S	678:681	464	364	-100	-21.6%	2.8	Pass Low
189	12	South Beach Parade	S	N	674:672	206	284	78	37.7%	2.9	Pass Low
190	12	South Beach Parade	N	S	672:674	200	306	106	52.9%	3.8	Pass Low
195	17	Southtown Rd	S	N	419:420	1078	890	-188	-17.5%	3.5	Pass Low
196	17	Southtown Rd	N	S	420:419	1025	590	-435	-42.4%	8.8	Fail Low
197	18	B1141 Priory Plain	SE	NW	165:111	770	741	-29	-3.8%	0.6	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	1658	1495	-163	-9.8%	2.4	Pass Low
199	19	Euston Rd	E	W	532:339	489	388	-101	-20.7%	2.8	Pass Low
200	19	Euston Rd	W	E	339:532	454	484	30	6.7%	0.8	Pass Low
201	20	Acle New Rd	SE	NW	12:1	3080	3498	418	13.6%	4.2	Pass Mid
202	20	Acle New Rd	NW	SE	1:12	2767	2784	17	0.6%	0.2	Pass Mid



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	65	131	66	100.9%	3.8	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	502	531	29	5.9%	0.7	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	1610	1637	27	1.7%	0.4	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	89	49	-40	-44.7%	2.8	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	31	17	-14	-45.8%	1.7	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	192	122	-70	-36.3%	3.2	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	711	792	81	11.4%	1.7	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	770	695	-75	-9.7%	1.6	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	422	344	-78	-18.4%	2.3	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	6	0	-6	-100.0%	2.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	531	533	2	0.3%	0.0	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	1203	1161	-42	-3.5%	0.7	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	686	733	47	6.8%	1.0	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	328	341	13	3.9%	0.4	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	13	12	-1	-10.8%	0.2	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	16	15	-1	-3.8%	0.1	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	571	545	-26	-4.6%	0.6	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	837	847	10	1.2%	0.2	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	16	16	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	46	44	-2	-3.9%	0.2	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	69	69	0	0.0%	0.0	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	664	631	-33	-4.9%	0.7	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	68	56	-12	-17.1%	0.8	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	407	385	-22	-5.4%	0.6	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	2117	2277	160	7.5%	2.0	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	905	879	-26	-2.9%	0.5	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	66	60	-6	-8.8%	0.4	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	1493	1593	100	6.7%	1.5	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	599	630	31	5.1%	0.7	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	1679	1767	88	5.2%	1.2	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	732	758	26	3.6%	0.6	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	300	298	-2	-0.7%	0.1	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	1404	1577	173	12.3%	2.6	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	980	956	-24	-2.4%	0.4	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	1526	1543	17	1.1%	0.3	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	1056	1215	159	15.0%	2.7	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	344	396	52	15.1%	1.6	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	689	714	25	3.6%	0.5	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	802	679	-123	-15.4%	2.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	271	378	107	39.4%	3.4	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	804	798	-6	-0.7%	0.1	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	2422	2732	310	12.8%	3.5	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	132	176	44	33.5%	2.1	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	487	461	-26	-5.3%	0.7	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	42	9	-33	-78.6%	3.8	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	109	111	2	2.2%	0.1	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	126	167	41	32.2%	1.9	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	2282	2550	268	11.8%	3.2	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	298	411	113	37.9%	3.5	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	173	198	25	14.5%	1.1	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	174	163	-11	-6.2%	0.5	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	238	193	-45	-19.0%	1.8	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	232	259	27	11.6%	1.0	Pass Low
65	5	Hall Quay	A	B	37z:44:52	929	871	-58	-6.2%	1.1	Pass Low
66	5	Hall Quay	B	A	52:44:37z	660	641	-19	-2.9%	0.4	Pass Low
67	5	Hall Quay	B	C	52:97z:51	2147	1967	-180	-8.4%	2.3	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	1393	1363	-30	-2.1%	0.5	Pass Low
69	5	Hall Quay	C	B	51:44:52	1163	1077	-86	-7.4%	1.5	Pass Low
70	6	Station Access	A	B	114:4:92z	2227	2266	39	1.7%	0.5	Pass Mid
71	6	Station Access	A	C	114:4:91	294	295	1	0.3%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	2282	2413	131	5.7%	1.6	Pass Mid
73	6	Station Access	B	C	92z:4:91	574	548	-26	-4.5%	0.6	Pass Low
74	6	Station Access	C	A	91:4:114	965	948	-17	-1.8%	0.3	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	34	10	-24	-71.8%	3.0	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	663	690	27	4.0%	0.6	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	318	241	-77	-24.3%	2.7	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	117	97	-20	-16.9%	1.1	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	43	11	-32	-74.0%	3.5	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	18	30	12	68.9%	1.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	25	37	12	47.2%	1.2	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	11	57	46	416.4%	4.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	8	21	13	165.0%	2.0	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	4	1	-3	-80.0%	1.2	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	601	320	-281	-46.8%	7.6	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	100	192	92	92.4%	4.4	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	289	279	-10	-3.5%	0.3	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	91	59	-32	-34.7%	2.1	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	235	298	63	26.9%	2.2	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	138	221	83	60.0%	3.6	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-100.0%	0.8	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	33	90	57	173.9%	4.2	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	63	29	-34	-53.7%	2.9	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	94	174	80	85.1%	4.0	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	294	297	3	1.1%	0.1	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	31	70	39	124.5%	3.1	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	22	7	-15	-68.2%	2.3	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	20	24	4	19.0%	0.5	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	71	28	-43	-60.8%	3.5	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	56	62	6	10.4%	0.4	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	21	8	-13	-60.0%	1.9	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	895	820	-75	-8.4%	1.5	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	186	164	-22	-12.0%	1.0	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	736	741	5	0.6%	0.1	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	573	589	16	2.8%	0.4	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	144	112	-32	-22.1%	1.6	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	663	834	171	25.8%	3.6	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	189	177	-12	-6.5%	0.5	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	65	37	-28	-42.5%	2.2	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	90	88	-2	-2.7%	0.1	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	142	168	26	18.0%	1.2	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	655	472	-183	-27.9%	4.4	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	1354	1323	-31	-2.3%	0.5	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	68	80	12	17.1%	0.8	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	1085	923	-162	-14.9%	3.0	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	412	292	-120	-29.1%	3.7	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	64	85	21	32.8%	1.4	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	1226	1350	124	10.1%	2.0	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	260	161	-99	-38.0%	3.9	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	517	337	-180	-34.9%	5.0	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	304	257	-47	-15.5%	1.6	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	890	962	72	8.0%	1.4	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	18	21	3	14.4%	0.3	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	234	284	50	21.2%	1.8	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	193	183	-10	-5.3%	0.4	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	27	31	4	13.3%	0.4	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	20	33	13	63.0%	1.4	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	357	284	-73	-20.5%	2.4	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	304	220	-84	-27.8%	3.0	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	12	53	41	338.3%	4.1	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	228	280	52	22.8%	1.9	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	172	156	-16	-9.1%	0.7	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	333	370	37	11.1%	1.1	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	130	186	56	43.2%	2.6	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	2	0	-2	-100.0%	1.2	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	426	412	-14	-3.3%	0.4	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	618	559	-59	-9.5%	1.4	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	184	126	-58	-31.3%	2.7	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	1307	1426	119	9.1%	1.9	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	1638	1386	-252	-15.4%	3.7	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	166	121	-45	-27.2%	2.2	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	1059	1240	181	17.1%	3.1	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	152	24	-128	-84.1%	7.9	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	159	104	-55	-34.7%	2.8	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	253	25	-228	-90.1%	11.2	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	168	63	-105	-62.6%	5.7	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	240	270	30	12.7%	1.1	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	841	495	-346	-41.1%	7.7	Fail Low
166	15	Alexandra Rd	B	C	338:187:143	408	503	95	23.3%	2.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	626	607	-19	-3.0%	0.4	Pass Low
174	4	Northgate Street	N	S	543:1365	755	579	-176	-23.3%	3.9	Pass Low
181	8	Burgh Rd	W	E	1057:1051	485	483	-2	-0.4%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	442	444	2	0.5%	0.1	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	840	810	-30	-3.6%	0.6	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	895	878	-17	-1.9%	0.3	Pass Low
193	14	Caister Road	S	N	369:536	1849	1866	17	0.9%	0.2	Pass Low
194	14	Caister Road	N	S	536:369	1691	1691	0	0.0%	0.0	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	1157	1352	195	16.8%	3.2	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	863	754	-109	-12.6%	2.2	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	880	989	109	12.4%	2.1	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	235	230	-5	-2.3%	0.2	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	867	784	-83	-9.6%	1.7	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	290	297	7	2.3%	0.2	Pass Low
209	21	Matalan Access	exit		85:82	209	230	21	10.0%	0.8	Pass Low
210	21	Matalan Access		access	82:85	200	213	13	6.5%	0.5	Pass Low
211	22	Station Road	exit		78:79	698	612	-86	-12.3%	1.9	Pass Low
212	22	Station Road		access	79:78	245	224	-21	-8.7%	0.8	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	326	257	-69	-21.1%	2.3	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	149	104	-45	-30.2%	2.3	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	913	807	-106	-11.6%	2.1	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	280	192	-88	-31.3%	3.3	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	256	212	-44	-17.2%	1.7	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	1259	1260	1	0.1%	0.0	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	160	69	-91	-56.6%	4.9	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	292	252	-40	-13.6%	1.4	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	675	767	92	13.6%	2.0	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	1028	790	-238	-23.1%	4.6	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	1036	1134	98	9.4%	1.7	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	637	593	-44	-6.9%	1.0	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	727	610	-117	-16.1%	2.6	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	707	600	-107	-15.1%	2.4	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	25	77	52	206.4%	4.2	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	680	628	-52	-7.7%	1.2	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	199	168	-31	-15.4%	1.3	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	12	6	-6	-50.0%	1.2	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	8	27	19	232.5%	2.6	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	14	9	-5	-32.9%	0.8	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	9	14	5	57.8%	0.9	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	119	110	-9	-7.4%	0.5	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	11	5	-6	-52.7%	1.2	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	13	10	-3	-23.1%	0.5	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	27	16	-11	-39.3%	1.3	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	357	201	-156	-43.8%	5.4	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	5	3	-2	-44.0%	0.6	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	7	7	0	0.0%	0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	10	1	-9	-90.0%	2.2	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	22	38	16	70.9%	1.6	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	29	58	29	101.4%	2.6	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	423	342	-81	-19.1%	2.4	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	49	42	-7	-14.7%	0.6	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	267	324	57	21.5%	1.9	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	307	306	-1	-0.5%	0.0	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	251	274	23	9.2%	0.8	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	650	474	-176	-27.1%	4.3	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	516	423	-93	-18.0%	2.5	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	285	269	-16	-5.8%	0.6	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	179	154	-25	-13.7%	1.1	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	623	571	-52	-8.3%	1.2	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	106	57	-49	-46.0%	3.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	197	150	-47	-24.1%	2.1	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	33	5	-28	-83.6%	3.6	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	67	0	-67	-99.7%	6.7	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	82	45	-37	-44.9%	2.7	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	1	5	4	400.0%	1.3	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	424	420	-4	-0.9%	0.1	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	382	325	-57	-15.0%	1.8	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	19	80	61	320.0%	5.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	66	102	36	54.2%	2.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	380	301	-79	-20.7%	2.5	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	17	17		3.4	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	129	122	-7	-5.7%	0.4	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	43	74	31	72.6%	2.4	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	5	0	-5	-96.0%	1.7	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	367	339	-28	-7.6%	0.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	102	86	-16	-15.9%	1.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	26	0	-26	-98.5%	4.1	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	336	304	-32	-9.6%	1.0	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	42	42	0	0.5%	0.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	5	2	-3	-60.0%	0.9	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	381	325	-56	-14.8%	1.7	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	15	5	-10	-69.3%	1.9	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	315	305	-10	-3.3%	0.3	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	26	21	-5	-19.2%	0.6	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	330	305	-25	-7.5%	0.8	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	202	232	30	15.0%	1.2	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	11	12	1	7.3%	0.1	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	67	42	-25	-37.6%	2.0	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	201	213	12	6.1%	0.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	10	7	-3	-34.0%	0.7	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	99	49	-50	-50.1%	3.3	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	297	277	-20	-6.7%	0.7	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	8	4	-4	-52.5%	1.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	37	23	-14	-37.8%	1.5	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	271	253	-18	-6.5%	0.6	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	2	2	0	-20.0%	0.2	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	34	35	1	2.4%	0.1	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	321	293	-28	-8.7%	0.9	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	17	19	2	10.6%	0.2	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	81	44	-37	-46.2%	2.7	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	298	265	-33	-11.2%	1.1	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	11	12	1	9.1%	0.2	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	123	98	-25	-20.0%	1.3	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	5	2	-3	-56.0%	0.9	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	448	389	-59	-13.2%	1.7	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	4	4	0	10.0%	0.1	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	5	9	4	76.0%	0.8	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.4	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	1	1	0	20.0%	0.1	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	64	99	35	54.1%	2.2	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	384	318	-66	-17.1%	2.0	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	30	10	-20	-66.0%	2.5	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	98	276	178	181.6%	7.5	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	29	245	216	744.1%	10.6	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	90	89	-1	-0.9%	0.0	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	424	379	-45	-10.7%	1.3	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	57	33	-24	-41.4%	2.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	17	14	-3	-15.3%	0.4	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	232	221	-11	-4.6%	0.4	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	560	592	32	5.8%	0.8	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	863	998	135	15.7%	2.6	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	416	610	194	46.6%	4.9	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	526	513	-13	-2.5%	0.3	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	64	55	-9	-14.4%	0.7	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	23	52	29	126.1%	2.7	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	878	802	-76	-8.7%	1.5	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	1249	1601	352	28.2%	5.4	Fail Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	404	52	-352	-87.2%	13.5	Fail Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	27	7	-20	-74.1%	2.8	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	1393	1227	-166	-11.9%	2.7	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	14	87	73	521.4%	5.9	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	74	103	29	39.7%	1.8	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	931	752	-179	-19.2%	3.6	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	856	952	96	11.2%	1.8	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	519	457	-62	-11.9%	1.6	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	47	47		5.6	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	1783	1569	-214	-12.0%	3.0	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	2	0	-2	-100.0%	1.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	3	11	8	280.0%	1.8	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	4	15	11	265.0%	2.0	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	1643	1532	-111	-6.8%	1.6	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	7	91	84	1202.9%	6.9	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	32	31	3080.0%	4.4	Pass Low



Vehicle Flow Information  
Validation Statistics  
Car Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	107	85	-22	-20.9%	1.3	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	583	564	-19	-3.3%	0.5	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	274	307	33	12.2%	1.1	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	441	417	-24	-5.4%	0.7	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	142	46	-96	-67.7%	5.7	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	856	927	71	8.3%	1.4	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	43	0	-43	-100.0%	5.4	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	82	95	13	16.3%	0.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	2488	2538	50	2.0%	0.6	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	2604	3183	579	22.3%	6.2	Fail Mid
169	2	Haven Bridge	NE	SW	872:50	1914	1963	49	2.6%	0.6	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	2288	2447	159	6.9%	1.9	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	1443	1918	475	32.9%	6.7	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	1754	1898	144	8.2%	1.9	Pass Low
175	5	North Denes Rd	S	N	1270:559	523	449	-74	-14.1%	1.9	Pass Low
176	5	North Denes Rd	N	S	559:1270	326	346	20	6.0%	0.6	Pass Low
177	6	North Drive	S	N	1262:557	627	730	103	16.4%	2.3	Pass Low
178	6	North Drive	N	S	557:1262	515	510	-5	-1.0%	0.1	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	1100	1059	-41	-3.8%	0.7	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	1390	1307	-83	-6.0%	1.3	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	2865	3174	309	10.8%	3.2	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	2846	3089	243	8.5%	2.6	Pass Mid
187	11	South Denes Rd	S	N	681:678	403	312	-91	-22.6%	2.8	Pass Low
188	11	South Denes Rd	N	S	678:681	364	276	-88	-24.1%	2.8	Pass Low
189	12	South Beach Parade	S	N	674:672	176	235	59	33.3%	2.4	Pass Low
190	12	South Beach Parade	N	S	672:674	171	254	83	48.8%	3.3	Pass Low
195	17	Southtown Rd	S	N	419:420	895	757	-138	-15.4%	2.8	Pass Low
196	17	Southtown Rd	N	S	420:419	836	487	-349	-41.7%	7.8	Fail Low
197	18	B1141 Priory Plain	SE	NW	165:111	668	654	-14	-2.1%	0.3	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	1354	1287	-67	-5.0%	1.1	Pass Low
199	19	Euston Rd	E	W	532:339	417	347	-70	-16.8%	2.1	Pass Low
200	19	Euston Rd	W	E	339:532	390	443	53	13.5%	1.5	Pass Low
201	20	Acle New Rd	SE	NW	12:1	2554	2968	414	16.2%	4.5	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	2268	2246	-22	-1.0%	0.3	Pass Mid





Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	4	8	4	95.0%	0.9	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	14	14	0	1.4%	0.0	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	69	60	-9	-12.5%	0.6	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	1	1	0	-40.0%	0.3	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	3	3		1.4	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	4	0	-4	-90.0%	1.4	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	14	19	5	34.3%	0.7	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	27	2	-25	-92.6%	3.8	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	88	3	-85	-97.0%	7.3	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.4	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	90	34	-56	-62.4%	4.1	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	53	64	11	21.5%	0.9	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	43	47	4	8.4%	0.3	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	61	46	-15	-23.9%	1.2	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	2	3	1	50.0%	0.4	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	3	3	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	97	91	-6	-5.8%	0.3	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	82	87	5	6.1%	0.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	4	0	-4	-100.0%	1.6	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	12	8	-4	-33.3%	0.7	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	11	15	4	40.0%	0.7	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	99	107	8	7.9%	0.4	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	9	12	3	31.1%	0.5	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	1	56	55	5460.0%	5.9	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	68	65	-3	-3.8%	0.2	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	90	76	-14	-16.0%	0.9	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	14	13	-1	-5.7%	0.1	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	60	36	-24	-40.0%	2.0	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	23	20	-3	-12.2%	0.3	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	108	117	9	8.1%	0.5	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	33	28	-5	-14.5%	0.5	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	18	10	-8	-45.6%	1.3	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	62	59	-3	-4.8%	0.2	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	25	26	1	2.4%	0.1	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	121	94	-27	-22.5%	1.5	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	58	44	-14	-24.8%	1.2	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	5	5	0	4.0%	0.1	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	34	23	-11	-33.5%	1.2	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	24	26	2	6.7%	0.2	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	6	4	-2	-36.7%	0.6	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	27	40	13	47.4%	1.3	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	88	111	23	25.7%	1.3	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	58	29	-29	-50.7%	2.6	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	26	15	-11	-41.5%	1.4	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	0	0	0		0.0	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	7	3	-4	-62.9%	1.2	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	25	0	-25	-100.0%	4.1	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	119	108	-11	-8.9%	0.6	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	19	20	1	7.4%	0.2	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	49	40	-9	-18.0%	0.8	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	39	20	-19	-48.7%	2.0	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	39	4	-35	-90.3%	4.4	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	41	36	-5	-11.7%	0.4	Pass Low
65	5	Hall Quay	A	B	37z:44:52	71	63	-8	-11.5%	0.6	Pass Low
66	5	Hall Quay	B	A	52:44:37z	132	19	-113	-85.6%	7.5	Pass Low
67	5	Hall Quay	B	C	52:97z:51	166	108	-58	-34.7%	2.8	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	79	15	-64	-80.8%	5.4	Pass Low
69	5	Hall Quay	C	B	51:44:52	96	62	-34	-35.6%	2.2	Pass Low
70	6	Station Access	A	B	114:4:92z	161	181	20	12.5%	0.9	Pass Low
71	6	Station Access	A	C	114:4:91	9	9	0	2.2%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	169	112	-57	-33.6%	2.8	Pass Low
73	6	Station Access	B	C	92z:4:91	3	3	0	0.0%	0.0	Pass Low
74	6	Station Access	C	A	91:4:114	8	131	123	1537.5%	8.5	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	1	0	-1	-60.0%	0.4	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	73	18	-55	-74.8%	4.7	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	12	2	-10	-81.7%	2.1	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	9	20	11	126.7%	1.7	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	6	1	-5	-83.3%	1.5	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	1	1		1.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	0	0	0		0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	3	3		1.4	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	0	0		0.4	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	61	2	-59	-96.7%	6.1	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	10	8	-2	-24.0%	0.5	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	5	1	-4	-88.0%	1.5	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	7	3	-4	-51.4%	0.9	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	5	2	-3	-64.0%	1.0	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	5	3	-2	-48.0%	0.7	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	8	4	-4	-47.5%	0.9	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	2	2	0	-20.0%	0.2	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	13	18	5	41.5%	0.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	7	2	-5	-71.4%	1.4	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	7	0	-7	-94.3%	2.0	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	1	0	-1	-100.0%	0.8	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	4	0	-4	-100.0%	1.6	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	5	0	-5	-100.0%	1.8	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	0	2	2		1.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	1	0	-1	-80.0%	0.6	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	87	20	-67	-77.5%	5.3	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	24	3	-21	-88.3%	3.3	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	65	18	-47	-72.6%	4.2	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	32	15	-17	-53.1%	2.0	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	19	16	-3	-14.7%	0.4	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	32	38	6	19.4%	0.6	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	7	3	-4	-57.1%	1.0	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	1	0	-1	-60.0%	0.4	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	4	0	-4	-100.0%	1.6	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	9	6	-3	-33.3%	0.6	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	80	29	-51	-64.0%	4.0	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	76	74	-2	-3.2%	0.2	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	1	0	-1	-100.0%	0.8	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	99	23	-76	-76.8%	5.6	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	11	2	-9	-81.8%	2.0	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	2	1	-1	-50.0%	0.5	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	67	51	-16	-23.6%	1.2	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	14	9	-5	-37.1%	0.9	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	47	13	-34	-71.5%	3.5	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	38	7	-31	-81.6%	3.8	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	99	53	-46	-46.7%	3.1	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	3	0	-3	-100.0%	1.4	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	14	0	-14	-100.0%	3.1	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:502	9	3	-6	-64.4%	1.4	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	3	0	-3	-100.0%	1.4	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:502	9	1	-8	-86.7%	2.0	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	7	0	-7	-97.1%	2.1	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	2	0	-2	-100.0%	1.2	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:502	20	1	-19	-95.0%	3.4	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	5002:339:465	5	4	-1	-28.0%	0.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	5002:339:532	7	3	-4	-62.9%	1.2	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	5002:339:505	6	2	-4	-66.7%	1.2	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	19	13	-6	-33.7%	0.9	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	22	13	-9	-40.9%	1.2	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	11	1	-10	-94.5%	2.5	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	161	122	-39	-24.0%	1.9	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	29	24	-5	-15.9%	0.5	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	5	9	4	84.0%	0.9	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	157	105	-52	-33.4%	2.6	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	3	0	-3	-86.7%	1.2	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	3	0	-3	-93.3%	1.3	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	15	0	-15	-100.0%	3.2	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	6	0	-6	-100.0%	2.0	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	10	10	0	2.0%	0.0	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	50	29	-21	-42.4%	1.9	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	16	6	-10	-60.0%	1.7	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	29	68	39	134.5%	3.2	Pass Low
174	4	Northgate Street	N	S	543:1365	35	26	-9	-26.9%	1.0	Pass Low
181	8	Burgh Rd	W	E	1057:1051	20	18	-2	-12.0%	0.3	Pass Low
182	8	Burgh Rd	E	W	1051:1057	20	21	1	7.0%	0.2	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	51	52	1	1.2%	0.0	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	54	48	-6	-11.9%	0.5	Pass Low
193	14	Caister Road	S	N	369:536	112	129	17	15.0%	0.9	Pass Low
194	14	Caister Road	N	S	536:369	102	102	0	0.0%	0.0	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	43	57	14	32.6%	1.1	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	3	2	-1	-33.3%	0.4	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	29	48	19	65.5%	1.8	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	1	0	-1	-100.0%	0.8	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	4	4	0	0.0%	0.0	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	0	0	0	0.0%	0.0	Pass Low
209	21	Matalan Access	exit		85:82	3	3	0	13.3%	0.1	Pass Low
210	21	Matalan Access		access	82:85	6	7	1	10.0%	0.1	Pass Low
211	22	Station Road	exit		78:79	9	5	-4	-48.9%	1.0	Pass Low
212	22	Station Road		access	79:78	6	5	-1	-16.7%	0.2	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	13	2	-11	-86.2%	2.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	0	0	0	0.0%	0.0	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	15	12	-3	-17.3%	0.4	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	3	0	-3	-100.0%	1.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	3	0	-3	-86.7%	1.2	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	66	70	4	6.4%	0.3	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	1	2	1	80.0%	0.4	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	6	0	-6	-93.3%	1.8	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	9	12	3	37.8%	0.6	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	18	13	-5	-25.6%	0.7	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	63	60	-3	-4.4%	0.2	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	16	15	-1	-3.8%	0.1	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	10	18	8	84.0%	1.3	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	43	44	1	1.9%	0.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	0	1	1	0.0%	0.6	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	15	12	-3	-18.7%	0.4	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	3	0	-3	-93.3%	1.3	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	1	0	-1	-100.0%	0.8	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	0	1	1	0.0%	0.6	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0	0.0%	0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	0	1	1	0.0%	0.7	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	1	0	-1	-100.0%	0.8	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	0	0	0	0.0%	0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	1	0	-1	-100.0%	0.8	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	1	0	-1	-100.0%	0.8	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	9	1	-8	-93.3%	2.2	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0	0.0%	0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0	0.0%	0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0	0.0%	0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	0	1	1	0.0%	0.6	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	0	0	0.0%	0.5	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	8	2	-6	-72.5%	1.5	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	2	0	-2	-100.0%	1.2	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	2	1	-1	-70.0%	0.7	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	2	3	1	30.0%	0.2	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	1	0	-1	-60.0%	0.4	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	19	12	-7	-38.9%	1.1	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	15	16	1	4.0%	0.1	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	2	3	1	40.0%	0.3	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	2	3	1	30.0%	0.2	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	37	37	0	1.1%	0.0	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	7	5	-2	-31.4%	0.5	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	1	1	0	20.0%	0.1	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	1	0	-1	-100.0%	0.8	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	2	0	-2	-100.0%	1.2	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	3	0	-3	-86.7%	1.2	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	0	0	0.0%	0.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	2	5	3	130.0%	0.8	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	4	10	6	145.0%	1.3	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	0	0	0.0%	0.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	0	5	5	0.0%	1.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	2	0	-2	-100.0%	1.2	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	0	0		0.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	0	0	0		0.4	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	2	9	7	340.0%	1.7	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	2	1	-1	-50.0%	0.5	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	0	0	0		0.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.5	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	1	4	3	340.0%	1.2	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	0	0	0		0.4	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	3	10	7	226.7%	1.6	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	4	0	-4	-90.0%	1.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	1	4	3	340.0%	1.2	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	3	10	7	226.7%	1.6	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	50	19	-31	-61.6%	3.0	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	4	0	-4	-100.0%	1.6	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	9	1	-8	-91.1%	2.1	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	52	16	-36	-68.5%	3.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	2	0	-2	-100.0%	1.2	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	7	1	-6	-88.6%	1.8	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	59	20	-39	-66.1%	3.6	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	3	1	-2	-80.0%	1.0	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	60	17	-43	-72.0%	4.0	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	1	0	-1	-60.0%	0.4	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	3	5	2	80.0%	0.7	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	62	25	-37	-59.0%	3.2	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	0	0	0		0.0	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	0	10	10		2.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	61	17	-44	-71.5%	4.0	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	2	0	-2	-100.0%	1.2	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	6	14	8	133.3%	1.5	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	8	1	-7	-90.0%	2.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	60	39	-21	-35.7%	1.8	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	0	0		0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	1	2	1	80.0%	0.4	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	5	15	10	200.0%	1.8	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	59	32	-27	-45.8%	2.3	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	5	6	1	12.0%	0.2	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	9	7	-2	-22.2%	0.4	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	2	5	3	160.0%	1.0	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	2	0	-2	-100.0%	1.2	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	7	6	-1	-8.6%	0.1	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	0	0	0		0.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	1	1	0	-40.0%	0.3	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	5	5	0	0.0%	0.0	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	62	47	-15	-23.9%	1.2	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	25	41	16	64.0%	1.6	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	23	17	-6	-27.0%	0.8	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	20	9	-11	-53.0%	1.6	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	1	1	0	40.0%	0.2	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	4	1	-3	-85.0%	1.3	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	31	23	-8	-24.5%	0.8	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	48	58	10	20.4%	0.8	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	19	0	-19	-100.0%	3.6	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	2	0	-2	-100.0%	1.2	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	44	31	-13	-29.5%	1.2	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	1	2	1	80.0%	0.4	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	1	2	1	100.0%	0.5	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:811z	60	18	-42	-70.3%	3.9	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	46	55	9	18.7%	0.7	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	24	9	-15	-60.8%	2.1	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	1	1	0	-20.0%	0.1	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	71	70	-1	-1.4%	0.1	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.0	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.0	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	78	61	-17	-22.3%	1.2	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	3	1	-2	-53.3%	0.6	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Validation Statistics  
HGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	3	16	13	426.7%	2.4	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	13	3	-10	-73.8%	1.9	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	6	0	-6	-100.0%	2.0	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	6	19	13	220.0%	2.1	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	27	9	-18	-65.9%	2.4	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	25	26	1	4.0%	0.1	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	2	0	-2	-100.0%	1.2	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	1	3	2	180.0%	0.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	140	126	-14	-10.3%	0.7	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	121	167	46	38.0%	2.2	Pass Low
169	2	Haven Bridge	NE	SW	872:50	143	108	-35	-24.2%	1.8	Pass Low
170	2	Haven Bridge	SW	NE	50:872	139	77	-62	-44.6%	3.4	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	46	80	34	74.3%	2.5	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	74	65	-9	-12.4%	0.6	Pass Low
175	5	North Denes Rd	S	N	1270:559	19	3	-16	-86.3%	2.9	Pass Low
176	5	North Denes Rd	N	S	559:1270	10	0	-10	-96.0%	2.4	Pass Low
177	6	North Drive	S	N	1262:557	20	11	-9	-44.0%	1.3	Pass Low
178	6	North Drive	N	S	557:1262	22	13	-9	-41.8%	1.3	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	36	38	2	4.4%	0.2	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	46	43	-3	-7.0%	0.3	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	159	170	11	7.0%	0.5	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	143	149	6	4.3%	0.3	Pass Low
187	11	South Denes Rd	S	N	681:678	49	25	-24	-48.2%	2.2	Pass Low
188	11	South Denes Rd	N	S	678:681	31	17	-14	-43.9%	1.6	Pass Low
189	12	South Beach Parade	S	N	674:672	8	7	-1	-15.0%	0.3	Pass Low
190	12	South Beach Parade	N	S	672:674	8	12	4	55.0%	0.8	Pass Low
195	17	Southtown Rd	S	N	419:420	72	27	-45	-62.2%	3.7	Pass Low
196	17	Southtown Rd	N	S	420:419	80	21	-59	-74.3%	4.8	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	17	13	-4	-24.7%	0.6	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	135	63	-72	-53.5%	4.2	Pass Low
199	19	Euston Rd	E	W	532:339	12	1	-11	-90.0%	2.4	Pass Low
200	19	Euston Rd	W	E	339:532	11	3	-8	-76.4%	1.9	Pass Low
201	20	Acle New Rd	SE	NW	12:1	127	116	-11	-8.8%	0.6	Pass Low
202	20	Acle New Rd	NW	SE	1:12	133	161	28	20.8%	1.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	11	18	7	60.0%	1.0	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	58	68	10	17.6%	0.7	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	262	241	-21	-8.2%	0.8	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	13	12	-1	-10.8%	0.2	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	7	6	-1	-20.0%	0.3	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	28	23	-5	-19.3%	0.6	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	85	79	-6	-6.8%	0.4	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	106	101	-5	-4.5%	0.3	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	49	47	-2	-3.3%	0.1	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	2	0	-2	-100.0%	1.2	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	91	92	1	1.3%	0.1	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	220	180	-40	-18.0%	1.6	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	92	120	28	30.2%	1.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	65	74	9	14.2%	0.6	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	4	3	-1	-35.0%	0.4	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	7	7	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	139	145	6	4.2%	0.3	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	202	208	6	3.2%	0.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	2	2	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	16	21	5	33.8%	0.7	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	21	24	3	12.4%	0.3	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	135	125	-10	-7.7%	0.5	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	13	13	0	1.5%	0.0	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	27	33	6	23.0%	0.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	275	257	-18	-6.7%	0.7	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	223	214	-9	-4.2%	0.4	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	19	20	1	3.2%	0.1	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	217	213	-4	-2.0%	0.2	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	75	64	-11	-14.1%	0.7	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	323	304	-19	-5.8%	0.6	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	107	114	7	6.4%	0.4	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	38	36	-2	-5.8%	0.2	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	215	202	-13	-6.0%	0.5	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	113	123	10	8.5%	0.5	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	332	299	-33	-9.9%	1.1	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	188	162	-26	-13.9%	1.1	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	30	39	9	30.7%	0.9	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	105	115	10	9.1%	0.5	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	93	84	-9	-9.7%	0.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	21	44	23	111.4%	2.4	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	97	114	17	17.5%	1.0	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	406	403	-3	-0.6%	0.1	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	64	31	-33	-51.3%	2.7	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	80	84	4	5.2%	0.3	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	6	2	-4	-70.0%	1.2	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	20	14	-6	-28.0%	0.8	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	64	53	-11	-17.8%	0.9	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	370	388	18	4.8%	0.5	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	56	53	-3	-5.0%	0.2	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	116	109	-7	-6.4%	0.4	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	101	31	-70	-69.3%	5.0	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	88	39	-49	-55.7%	3.6	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	105	88	-17	-15.8%	1.0	Pass Low
65	5	Hall Quay	A	B	37z:44:52	162	142	-20	-12.2%	0.9	Pass Low
66	5	Hall Quay	B	A	52:44:37z	122	144	22	18.4%	1.1	Pass Low
67	5	Hall Quay	B	C	52:97z:51	335	270	-65	-19.5%	2.2	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	156	147	-9	-5.6%	0.4	Pass Low
69	5	Hall Quay	C	B	51:44:52	231	201	-30	-13.2%	1.2	Pass Low
70	6	Station Access	A	B	114:4:92z	386	393	7	1.9%	0.2	Pass Low
71	6	Station Access	A	C	114:4:91	19	18	-1	-5.3%	0.1	Pass Low
72	6	Station Access	B	A	92z:4:114	409	378	-31	-7.5%	0.9	Pass Low
73	6	Station Access	B	C	92z:4:91	35	35	0	-0.6%	0.0	Pass Low
74	6	Station Access	C	A	91:4:114	45	51	6	12.4%	0.5	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	20	2	-18	-88.0%	3.0	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	88	72	-16	-18.0%	1.0	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	30	27	-3	-11.3%	0.4	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	7	8	1	14.3%	0.2	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	15	3	-12	-82.7%	2.4	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	1	5	4	360.0%	1.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	4	7	3	65.0%	0.7	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	3	5	2	66.7%	0.6	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	1	1	0	20.0%	0.1	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	4	1	-3	-80.0%	1.2	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	69	31	-38	-55.4%	3.1	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	14	28	14	97.1%	1.7	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	32	29	-3	-10.0%	0.3	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	12	8	-4	-33.3%	0.7	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	31	17	-14	-43.9%	1.6	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	17	25	8	48.2%	1.0	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	6	13	7	116.7%	1.3	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	10	3	-7	-68.0%	1.5	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	14	26	12	87.1%	1.6	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	21	20	-1	-2.9%	0.1	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	1	7	6	600.0%	1.7	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	4	1	-3	-85.0%	1.3	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	6	13	7	123.3%	1.4	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	8	5	-3	-40.0%	0.7	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	5	10	5	108.0%	1.1	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	3	1	-2	-53.3%	0.6	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	100	103	3	2.8%	0.2	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	59	57	-2	-3.1%	0.1	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	88	84	-4	-4.5%	0.2	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	112	96	-16	-14.3%	0.9	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	44	23	-21	-48.6%	2.1	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	134	109	-25	-18.8%	1.3	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	22	21	-1	-4.5%	0.1	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	8	3	-5	-65.0%	1.3	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	18	10	-8	-42.2%	1.2	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	26	17	-9	-34.6%	1.1	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	77	52	-25	-31.9%	1.8	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	231	200	-31	-13.5%	1.2	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	10	5	-5	-48.0%	1.0	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	134	123	-11	-8.2%	0.6	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	33	42	9	26.7%	0.8	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	15	8	-7	-46.7%	1.2	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	222	205	-17	-7.6%	0.7	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	31	23	-8	-27.1%	0.9	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	59	35	-24	-40.7%	2.0	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	45	76	31	68.0%	2.3	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	118	114	-4	-3.6%	0.2	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	2	1	-1	-30.0%	0.3	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	32	33	1	2.5%	0.1	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:502	20	17	-3	-15.0%	0.4	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	11	3	-8	-70.9%	1.7	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	4	5	1	30.0%	0.3	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:502	57	31	-26	-44.9%	2.2	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	38	25	-13	-34.7%	1.4	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	1	7	6	620.0%	1.8	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:502	32	32	0	0.6%	0.0	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	5002:339:465	12	8	-4	-31.7%	0.7	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	5002:339:532	42	31	-11	-26.7%	1.1	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	5002:339:505	15	15	0	1.3%	0.0	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	56	59	3	6.1%	0.3	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	59	66	7	11.5%	0.5	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	32	13	-19	-60.0%	2.3	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	305	308	3	1.0%	0.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	191	126	-65	-33.9%	3.0	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	30	16	-14	-48.0%	1.7	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	258	288	30	11.5%	1.0	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	27	2	-25	-94.1%	3.9	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	30	4	-26	-86.7%	3.6	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	47	8	-39	-83.0%	4.3	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	25	7	-18	-72.0%	2.6	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	32	31	-1	-3.1%	0.1	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	116	61	-55	-47.6%	3.4	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	53	65	12	21.9%	0.9	Pass Low





Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	77	70	-7	-9.6%	0.5	Pass Low
174	4	Northgate Street	N	S	543:1365	93	82	-11	-12.3%	0.7	Pass Low
181	8	Burgh Rd	W	E	1057:1051	50	48	-2	-4.4%	0.2	Pass Low
182	8	Burgh Rd	E	W	1051:1057	46	49	3	6.1%	0.2	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	142	140	-2	-1.1%	0.1	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	151	138	-13	-8.7%	0.6	Pass Low
193	14	Caister Road	S	N	369:536	312	308	-4	-1.2%	0.1	Pass Low
194	14	Caister Road	N	S	536:369	285	302	17	6.0%	0.6	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	209	230	21	10.2%	0.8	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	56	45	-11	-19.6%	0.9	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	174	189	15	8.5%	0.6	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	27	28	1	3.0%	0.1	Pass Low
207	16	Gapton Hall Retail Park	D	A	556z:298:306	59	54	-5	-7.8%	0.4	Pass Low
208	16	Gapton Hall Retail Park	D	C	556z:298:560z	20	22	2	12.0%	0.3	Pass Low
209	21	Matalan Access	exit		85:82	3	4	1	33.3%	0.3	Pass Low
210	21	Matalan Access		access	82:85	3	4	1	40.0%	0.4	Pass Low
211	22	Station Road	exit		78:79	41	78	37	90.2%	2.8	Pass Low
212	22	Station Road		access	79:78	15	24	9	62.7%	1.2	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	21	24	3	14.3%	0.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	5	4	-1	-24.0%	0.3	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	87	85	-2	-1.8%	0.1	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	19	16	-3	-15.8%	0.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	25	16	-9	-36.8%	1.2	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	187	208	21	11.2%	0.9	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	7	4	-3	-48.6%	0.9	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	36	27	-9	-24.4%	0.9	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	58	67	9	15.9%	0.7	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	67	63	-4	-6.0%	0.3	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	155	185	30	19.1%	1.3	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	60	62	2	3.7%	0.2	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	94	66	-28	-29.6%	1.8	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	68	70	2	2.4%	0.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	3	10	7	240.0%	1.6	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	69	73	4	6.1%	0.3	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	18	19	1	4.4%	0.1	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	5	1	-4	-84.0%	1.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	4	1	-3	-75.0%	1.1	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	5	0	-5	-92.0%	1.6	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	1	2	1	100.0%	0.5	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	10	11	1	10.0%	0.2	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	2	1	-1	-60.0%	0.6	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	1	2	1	60.0%	0.3	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	6	5	-1	-13.3%	0.2	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	47	23	-24	-50.6%	2.3	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	2	2		1.1	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	3	1	-2	-53.3%	0.6	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	3	0	-3	-86.7%	1.2	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	5	6	1	12.0%	0.2	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	2	5	3	170.0%	1.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	30	29	-1	-2.0%	0.1	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	9	4	-5	-51.1%	1.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	29	36	7	24.8%	0.7	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	15	13	-2	-10.7%	0.2	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	20	22	2	11.0%	0.3	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	89	57	-32	-35.7%	2.1	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	57	46	-11	-19.3%	0.9	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	24	24	0	0.8%	0.0	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	9	15	6	66.7%	1.0	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	59	69	10	16.6%	0.7	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	15	7	-8	-56.0%	1.5	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	10	19	9	88.0%	1.3	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	5	2	-3	-64.0%	1.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	11	0	-11	-100.0%	2.7	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	9	4	-5	-51.1%	1.0	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	6	6		2.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	55	67	12	21.1%	0.9	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	44	45	1	2.3%	0.1	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	16	16		3.2	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	8	23	15	182.5%	2.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	52	43	-9	-18.1%	0.8	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	1	1		1.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	23	24	1	6.1%	0.2	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	4	13	9	215.0%	1.7	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	2	0	-2	-100.0%	1.2	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	47	37	-10	-21.3%	0.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	20	18	-2	-9.0%	0.2	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	1	0	-1	-100.0%	0.8	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	47	49	2	3.4%	0.1	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	7	8	1	20.0%	0.3	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	2	1	-1	-30.0%	0.3	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	45	45	0	0.0%	0.0	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	3	2	-1	-46.7%	0.5	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	43	49	6	13.5%	0.5	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	2	2	0	-10.0%	0.1	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	45	45	0	-0.9%	0.0	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	44	60	16	35.5%	1.3	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	11	9	-2	-20.0%	0.4	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	24	11	-13	-55.0%	1.8	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	46	52	6	13.5%	0.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	7	6	-1	-20.0%	0.3	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	22	10	-12	-54.5%	1.7	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	67	69	2	3.3%	0.2	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	1	0	-1	-60.0%	0.4	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	16	8	-8	-50.0%	1.3	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	72	62	-10	-13.9%	0.7	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	1	1	0	0.0%	0.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	8	8	0	0.0%	0.0	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	71	70	-1	-0.8%	0.0	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	7	7	0	-5.7%	0.1	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	18	31	13	70.0%	1.5	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	76	66	-10	-13.4%	0.7	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	14	4	-10	-70.0%	1.9	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	30	39	9	28.7%	0.8	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	0	0		0.4	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	97	107	10	10.3%	0.6	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	3	3	0	0.0%	0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	5	2	-3	-64.0%	1.0	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	1	0	-1	-60.0%	0.4	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	28	22	-6	-20.0%	0.6	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	103	98	-5	-4.7%	0.3	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	6	5	-1	-23.3%	0.4	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	12	38	26	218.3%	3.0	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	6	37	31	523.3%	3.9	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	3	10	7	220.0%	1.5	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	58	57	-1	-2.1%	0.1	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	13	2	-11	-86.2%	2.4	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	4	1	-3	-65.0%	0.9	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	26	24	-2	-6.9%	0.2	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	115	117	2	1.9%	0.1	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	98	105	7	7.6%	0.4	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	43	100	57	132.6%	3.9	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	84	80	-4	-4.5%	0.2	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	6	7	1	16.7%	0.2	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	3	10	7	240.0%	1.6	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	89	84	-5	-5.2%	0.3	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	144	204	60	41.9%	2.6	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	65	7	-58	-88.9%	5.6	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	3	1	-2	-66.7%	0.8	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	172	152	-20	-11.7%	0.9	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	6	13	7	110.0%	1.2	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	13	28	15	116.9%	1.9	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	158	153	-5	-3.0%	0.2	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	141	132	-9	-6.2%	0.4	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	74	75	1	1.9%	0.1	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	1	6	5	460.0%	1.5	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	224	231	7	3.3%	0.3	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	2	1	-1	-30.0%	0.3	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	3	1	-2	-53.3%	0.6	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	206	225	19	9.4%	0.8	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	3	8	5	180.0%	1.3	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	2	1	-1	-40.0%	0.4	Pass Low



Vehicle Flow Information  
Validation Statistics  
LGV Vehicles  
IP Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	11	8	-3	-23.6%	0.5	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	75	65	-10	-13.9%	0.7	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	23	30	7	32.2%	0.8	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	57	54	-3	-4.6%	0.2	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	19	5	-14	-74.7%	2.4	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	101	113	12	11.5%	0.6	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	5	0	-5	-100.0%	1.8	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	10	9	-1	-12.0%	0.2	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	418	446	28	6.7%	0.8	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	437	487	50	11.4%	1.3	Pass Low
169	2	Haven Bridge	NE	SW	872:50	307	269	-38	-12.2%	1.3	Pass Low
170	2	Haven Bridge	SW	NE	50:872	332	348	16	4.9%	0.5	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	220	310	90	40.8%	3.2	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	288	265	-23	-7.8%	0.8	Pass Low
175	5	North Denes Rd	S	N	1270:559	56	32	-24	-42.5%	2.1	Pass Low
176	5	North Denes Rd	N	S	559:1270	35	47	12	33.1%	1.0	Pass Low
177	6	North Drive	S	N	1262:557	71	82	11	15.2%	0.7	Pass Low
178	6	North Drive	N	S	557:1262	64	80	16	24.7%	1.1	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	145	146	1	1.0%	0.1	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	207	189	-18	-8.9%	0.8	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	474	551	77	16.2%	2.0	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	506	504	-2	-0.4%	0.0	Pass Low
187	11	South Denes Rd	S	N	681:678	89	77	-12	-13.5%	0.8	Pass Low
188	11	South Denes Rd	N	S	678:681	69	70	1	1.4%	0.1	Pass Low
189	12	South Beach Parade	S	N	674:672	22	42	20	91.8%	2.1	Pass Low
190	12	South Beach Parade	N	S	672:674	21	39	18	85.7%	1.9	Pass Low
195	17	Southtown Rd	S	N	419:420	111	106	-5	-4.7%	0.3	Pass Low
196	17	Southtown Rd	N	S	420:419	109	82	-27	-24.4%	1.6	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	85	74	-11	-12.7%	0.7	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	169	146	-23	-13.6%	1.1	Pass Low
199	19	Euston Rd	E	W	532:339	60	40	-20	-33.7%	1.7	Pass Low
200	19	Euston Rd	W	E	339:532	53	39	-14	-26.0%	1.2	Pass Low
201	20	Acle New Rd	SE	NW	12:1	399	414	15	3.8%	0.4	Pass Low
202	20	Acle New Rd	NW	SE	1:12	366	377	11	3.1%	0.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	23	50	27	117.5%	4.5	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	148	152	4	3.0%	0.4	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	678	652	-26	-3.9%	1.0	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	33	13	-20	-61.2%	4.2	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	2	9	7	360.0%	3.0	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	56	48	-8	-14.6%	1.1	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	246	240	-6	-2.4%	0.4	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	412	491	79	19.1%	3.7	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	158	195	37	23.5%	2.8	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	1	1	0	-40.0%	0.4	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	271	295	24	8.9%	1.4	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	631	541	-90	-14.3%	3.7	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	239	302	63	26.3%	3.8	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	132	127	-5	-3.6%	0.4	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	3	11	8	260.0%	3.0	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:21:210	18	12	-6	-35.6%	1.7	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	295	268	-27	-9.2%	1.6	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	651	575	-76	-11.6%	3.1	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	20	18	-2	-8.0%	0.4	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	26	27	1	2.3%	0.1	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	63	58	-5	-7.6%	0.6	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	405	338	-67	-16.5%	3.5	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	26	23	-3	-13.1%	0.7	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	114	134	20	17.7%	1.8	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	773	822	49	6.3%	1.7	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	689	581	-108	-15.7%	4.3	Fail Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	21	20	-1	-3.8%	0.2	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	643	648	5	0.8%	0.2	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	203	171	-32	-16.0%	2.4	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	893	876	-17	-1.9%	0.6	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	389	408	19	5.0%	1.0	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	165	131	-34	-20.4%	2.8	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	749	759	10	1.4%	0.4	Pass Mid
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	391	490	99	25.3%	4.7	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	824	681	-143	-17.4%	5.2	Fail Mid
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	400	332	-68	-17.0%	3.6	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	49	131	82	166.9%	8.6	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	364	440	76	20.8%	3.8	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	238	257	19	8.0%	1.2	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	92	123	31	33.5%	3.0	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	350	304	-46	-13.1%	2.5	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	1330	1412	82	6.2%	2.2	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	50	49	-1	-2.8%	0.2	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	180	116	-64	-35.3%	5.2	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	16	5	-11	-66.3%	3.2	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	113	98	-15	-13.5%	1.5	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	34	75	41	119.4%	5.5	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	963	874	-89	-9.2%	2.9	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	346	373	27	7.7%	1.4	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	84	197	113	134.8%	9.5	Fail Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	116	128	12	10.3%	1.1	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	158	123	-35	-22.0%	2.9	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	268	267	-1	-0.4%	0.1	Pass Low
65	5	Hall Quay	A	B	37z:44:52	382	385	3	0.7%	0.1	Pass Low
66	5	Hall Quay	B	A	52:44:37z	273	307	34	12.5%	2.0	Pass Low
67	5	Hall Quay	B	C	52:97z:51	1271	1247	-24	-1.9%	0.7	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	623	594	-29	-4.6%	1.2	Pass Low
69	5	Hall Quay	C	B	51:44:52	569	470	-99	-17.4%	4.4	Pass Low
70	6	Station Access	A	B	114:4:92z	996	987	-9	-0.9%	0.3	Pass Mid
71	6	Station Access	A	C	114:4:91	67	89	22	33.1%	2.5	Pass Low
72	6	Station Access	B	A	92z:4:114	1037	1038	1	0.1%	0.0	Pass Mid
73	6	Station Access	B	C	92z:4:91	158	159	1	0.4%	0.0	Pass Low
74	6	Station Access	C	A	91:4:114	271	262	-9	-3.4%	0.6	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	13	8	-5	-35.4%	1.4	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	328	281	-47	-14.3%	2.7	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	235	171	-64	-27.4%	4.5	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	71	70	-1	-1.1%	0.1	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	27	12	-15	-54.8%	3.3	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	1	11	10	1000.0%	4.1	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	11	14	3	25.5%	0.8	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	7	20	13	185.7%	3.5	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	4	9	5	120.0%	1.9	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.6	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	226	165	-61	-27.2%	4.4	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	26	87	61	233.1%	8.1	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	137	143	6	4.2%	0.5	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	35	28	-7	-18.9%	1.2	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	93	103	10	11.2%	1.0	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	70	96	26	36.6%	2.8	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-100.0%	1.4	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	23	40	17	73.9%	3.0	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	23	14	-9	-39.1%	2.1	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	40	79	39	98.5%	5.1	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	163	142	-21	-12.6%	1.7	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	15	37	22	149.3%	4.4	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	12	5	-7	-61.7%	2.6	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	7	12	5	65.7%	1.5	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	34	5	-29	-84.7%	6.5	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	20	27	7	36.0%	1.5	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	6	6	0	3.3%	0.1	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	526	439	-87	-16.6%	4.0	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	113	127	14	12.2%	1.3	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	307	355	48	15.5%	2.6	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	222	165	-57	-25.8%	4.1	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	118	103	-15	-12.9%	1.4	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	318	334	16	5.1%	0.9	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	62	71	9	14.5%	1.1	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	30	20	-10	-32.7%	2.0	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	49	54	5	9.4%	0.6	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	95	56	-39	-41.5%	4.5	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	323	282	-41	-12.6%	2.3	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	851	892	41	4.8%	1.4	Pass Mid
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	63	48	-15	-23.2%	2.0	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	624	584	-40	-6.5%	1.6	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	138	184	46	33.3%	3.6	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	18	60	42	231.1%	6.7	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	456	403	-53	-11.7%	2.6	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	77	80	3	3.4%	0.3	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	162	215	53	32.6%	3.8	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	152	245	93	61.2%	6.6	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	275	311	36	13.0%	2.1	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	6	9	3	53.3%	1.2	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	109	104	-5	-4.4%	0.5	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	48	67	19	39.2%	2.5	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	10	13	3	30.0%	0.9	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	5	9	4	72.0%	1.4	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	140	106	-34	-24.0%	3.0	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	222	126	-96	-43.1%	7.2	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	9	23	14	160.0%	3.6	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	119	109	-10	-8.4%	0.9	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	61	59	-2	-3.9%	0.3	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	114	144	30	26.1%	2.6	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	55	59	4	7.6%	0.6	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	197	209	12	6.3%	0.9	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	391	368	-23	-5.8%	1.2	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	47	52	5	11.1%	0.7	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	677	646	-31	-4.5%	1.2	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	681	707	26	3.8%	1.0	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	75	51	-24	-31.7%	3.0	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	731	859	128	17.5%	4.5	Fail Mid
156	14	Alexandra Rd	A	E	141:130:311	44	14	-30	-67.3%	5.5	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	39	27	-12	-31.3%	2.1	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	61	7	-54	-88.2%	9.2	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	62	18	-44	-71.0%	7.0	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	102	102	0	0.0%	0.0	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	295	292	-3	-0.9%	0.2	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	148	187	39	26.2%	3.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	358	331	-27	-7.5%	1.5	Pass Low
174	4	Northgate Street	N	S	543:1365	282	264	-18	-6.5%	1.1	Pass Low
181	8	Burgh Rd	W	E	1057:1051	271	267	-4	-1.6%	0.3	Pass Low
182	8	Burgh Rd	E	W	1051:1057	252	242	-10	-4.0%	0.6	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	413	398	-15	-3.5%	0.7	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	573	550	-23	-4.0%	1.0	Pass Low
193	14	Caister Road	S	N	369:536	1020	990	-30	-2.9%	0.9	Pass Mid
194	14	Caister Road	N	S	536:369	646	672	26	4.1%	1.0	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	615	805	190	30.9%	7.1	Fail Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	226	225	-1	-0.4%	0.1	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	471	602	131	27.7%	5.6	Fail Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	88	96	8	8.9%	0.8	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	215	219	4	2.0%	0.3	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	101	94	-7	-7.3%	0.8	Pass Low
209	21	Matalan Access	exit		85:82	48	48	0	0.0%	0.0	Pass Low
210	21	Matalan Access		access	82:85	38	47	9	23.7%	1.4	Pass Low
211	22	Station Road	exit		78:79	319	371	52	16.4%	2.8	Pass Low
212	22	Station Road		access	79:78	58	98	40	68.6%	4.5	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	76	92	16	21.6%	1.8	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	17	15	-2	-12.9%	0.6	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	326	266	-60	-18.3%	3.5	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	116	100	-16	-14.0%	1.6	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	75	52	-23	-31.2%	2.9	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	729	942	213	29.2%	7.4	Fail Mid
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	26	16	-10	-37.7%	2.1	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	78	72	-6	-7.9%	0.7	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	176	171	-5	-2.7%	0.4	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	337	275	-62	-18.3%	3.5	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	386	371	-15	-3.8%	0.8	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	108	113	5	5.0%	0.5	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	296	239	-57	-19.4%	3.5	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	221	270	49	22.0%	3.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	4	10	6	160.0%	2.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	274	210	-64	-23.5%	4.1	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	60	88	28	46.3%	3.2	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	16	1	-15	-92.5%	5.0	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	8	7	-1	-7.5%	0.2	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	6	2	-4	-60.0%	1.8	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	9	7	-2	-20.0%	0.6	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	24	34	10	43.3%	1.9	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	9	7	-2	-26.7%	0.9	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	2	12	10	480.0%	3.7	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	21	19	-2	-7.6%	0.4	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	119	81	-38	-31.8%	3.8	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	2	3	1	40.0%	0.5	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	5	5		3.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	3	0	-3	-93.3%	2.2	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	8	13	5	57.5%	1.4	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	12	20	8	70.0%	2.1	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	127	148	21	16.9%	1.8	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	23	8	-15	-66.1%	3.9	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	76	82	6	8.4%	0.7	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	112	110	-2	-2.0%	0.2	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	73	78	5	7.1%	0.6	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	241	202	-39	-16.3%	2.6	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	173	170	-3	-1.8%	0.2	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	90	84	-6	-6.2%	0.6	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	28	45	17	61.4%	2.8	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	236	303	67	28.4%	4.1	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	28	14	-14	-50.7%	3.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	55	71	16	28.7%	2.0	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	7	2	-5	-68.6%	2.2	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	20	0	-20	-99.0%	6.2	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	28	17	-11	-40.7%	2.4	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	3	3		2.3	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	268	303	35	13.0%	2.1	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	99	97	-2	-2.2%	0.2	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	71	71		11.9	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	38	95	57	150.0%	7.0	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	230	205	-25	-10.7%	1.7	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	3	2	-1	-20.0%	0.4	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	51	64	13	25.1%	1.7	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	12	23	11	88.3%	2.5	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	94	113	19	20.4%	1.9	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	30	40	10	32.0%	1.6	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	5	0	-5	-100.0%	3.2	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	182	216	34	18.8%	2.4	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	38	18	-20	-52.1%	3.7	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	1	1		1.3	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	99	97	-2	-2.0%	0.2	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	12	8	-4	-36.7%	1.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	176	216	40	23.0%	2.9	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	20	17	-3	-17.0%	0.8	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	67	81	14	21.2%	1.6	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	139	206	67	47.9%	5.1	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	7	13	6	88.6%	2.0	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	7	9	2	28.6%	0.7	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	34	50	16	48.2%	2.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	3	2	-1	-20.0%	0.4	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	102	45	-57	-55.5%	6.6	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	242	249	7	2.8%	0.4	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	2	2		2.2	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	12	10	-2	-16.7%	0.6	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	40	58	18	46.0%	2.6	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	1	1		1.4	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	28	31	3	11.4%	0.6	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	262	260	-2	-0.8%	0.1	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	7	20	13	188.6%	3.6	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	24	18	-6	-23.3%	1.2	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	51	63	12	22.7%	1.5	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	1	6	5	500.0%	2.7	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	61	97	36	58.4%	4.0	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	1	1	0	20.0%	0.2	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	330	355	25	7.5%	1.3	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	4	4	0	5.0%	0.1	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	3	3	0	-13.3%	0.2	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	1	0	-1	-80.0%	1.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	1	0	-1	-80.0%	1.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	11	44	33	301.8%	6.3	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	67	85	18	26.9%	2.1	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	6	3	-3	-56.7%	1.6	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	54	118	64	119.3%	6.9	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	6	112	106	1773.3%	13.8	Fail Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	32	32	0	-1.2%	0.1	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	150	100	-50	-33.5%	4.5	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	37	10	-27	-71.9%	5.5	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	7	10	3	48.6%	1.2	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	95	126	31	33.1%	3.0	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	274	307	33	12.1%	1.9	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	492	519	27	5.5%	1.2	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	141	235	94	67.0%	6.9	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	208	178	-30	-14.6%	2.2	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	38	19	-19	-50.0%	3.6	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	12	29	17	140.0%	3.7	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	286	347	61	21.5%	3.5	Pass Low
325	nction	ccles Road/Malthouse Lane/Alpha Rd	115		885:901:913	624	753	129	20.6%	4.9	Fail Low
326	nction	ccles Road/Malthouse Lane/Alpha Rd	116		885:901:927	145	19	-126	-86.8%	13.9	Fail Low
327	nction	ccles Road/Malthouse Lane/Alpha Rd	117		927:913:914	11	3	-8	-69.1%	2.8	Pass Low
328	nction	ccles Road/Malthouse Lane/Alpha Rd	118		911:912:887	481	481	0	0.1%	0.0	Pass Low
329	nction	ccles Road/Malthouse Lane/Alpha Rd	119		911:912:972	10	45	35	346.0%	6.6	Pass Low
330	nction	ccles Road/Malthouse Lane/Alpha Rd	120		972:912:887	21	38	17	81.9%	3.2	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:812	370	293	-77	-20.9%	4.2	Pass Low
332	nction	William Adams Way/Suffolk Road	123		812:813:812	320	436	116	36.3%	6.0	Fail Low
333	nction	William Adams Way/Suffolk Road	124		812:813:866	295	372	77	26.2%	4.2	Pass Low
334	nction	3 Pasteur Road/East Access/West A	143		103:260:258	1	35	34	3440.0%	8.1	Pass Low
335	nction	3 Pasteur Road/East Access/West A	144		103:260:272	898	1079	181	20.2%	5.8	Fail Mid
336	nction	3 Pasteur Road/East Access/West A	145		103:260:261	0	2	2		1.9	Pass Low





Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	10	7	-3	-34.0%	1.2	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	5	5		3.2	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	541	500	-41	-7.6%	1.8	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	3	27	24	800.0%	6.2	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	4	10	6	160.0%	2.4	Pass Low



Vehicle Flow Information  
Validation Statistics  
All Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	54	48	-6	-11.9%	0.9	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	236	169	-67	-28.6%	4.7	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	190	144	-46	-24.0%	3.5	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	103	142	39	38.1%	3.5	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	77	36	-41	-53.5%	5.5	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	306	436	130	42.4%	6.7	Fail Low
162	14	Alexandra Rd	D	E	JCT14DE	10	0	-10	-100.0%	4.5	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	48	40	-8	-16.3%	1.2	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	1310	1254	-56	-4.2%	1.6	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	1335	1456	121	9.1%	3.2	Pass Mid
169	2	Haven Bridge	NE	SW	872:50	992	1240	248	25.0%	7.4	Fail Mid
170	2	Haven Bridge	SW	NE	50:872	975	1059	84	8.7%	2.6	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	535	692	157	29.3%	6.3	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	910	977	67	7.3%	2.2	Pass Mid
175	5	North Denes Rd	S	N	1270:559	514	204	-310	-60.3%	16.4	Fail Low
176	5	North Denes Rd	N	S	559:1270	153	105	-48	-31.2%	4.2	Pass Low
177	6	North Drive	S	N	1262:557	375	446	71	19.0%	3.5	Pass Low
178	6	North Drive	N	S	557:1262	198	191	-7	-3.7%	0.5	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	288	302	14	4.7%	0.8	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	1041	850	-191	-18.3%	6.2	Fail Mid
185	10	A47/Beccles Rd	S	N	837:817z	1346	1446	100	7.4%	2.7	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	1669	1776	107	6.4%	2.6	Pass Mid
187	11	South Denes Rd	S	N	681:678	262	280	18	6.9%	1.1	Pass Low
188	11	South Denes Rd	N	S	678:681	67	68	1	2.1%	0.2	Pass Low
189	12	South Beach Parade	S	N	674:672	131	192	61	46.3%	4.8	Pass Low
190	12	South Beach Parade	N	S	672:674	31	66	35	114.2%	5.1	Pass Low
195	17	Southtown Rd	S	N	419:420	375	450	75	19.9%	3.7	Pass Low
196	17	Southtown Rd	N	S	420:419	425	304	-121	-28.5%	6.3	Fail Low
197	18	B1141 Priory Plain	SE	NW	165:111	256	217	-39	-15.4%	2.6	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	465	519	54	11.5%	2.4	Pass Low
199	19	Euston Rd	E	W	532:339	147	128	-19	-12.9%	1.6	Pass Low
200	19	Euston Rd	W	E	339:532	136	177	41	29.9%	3.2	Pass Low
201	20	Acle New Rd	SE	NW	12:1	1006	1197	191	19.0%	5.7	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	960	979	19	2.0%	0.6	Pass Mid



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	20	42	22	109.0%	3.9	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	129	125	-4	-2.9%	0.3	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	573	549	-24	-4.2%	1.0	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	30	8	-22	-74.7%	5.2	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	2	8	6	300.0%	2.7	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	51	42	-9	-17.3%	1.3	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	212	213	1	0.5%	0.1	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	356	425	69	19.5%	3.5	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	113	178	65	57.3%	5.4	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	1	1	0	-40.0%	0.4	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	220	236	16	7.1%	1.0	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	547	478	-69	-12.7%	3.1	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	195	245	50	25.8%	3.4	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	98	97	-1	-1.0%	0.1	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	2	5	3	140.0%	1.5	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:21:210	8	7	-1	-17.5%	0.5	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	222	224	2	1.0%	0.1	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	537	464	-73	-13.6%	3.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	16	16	0	0.0%	0.0	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	24	23	-1	-3.3%	0.2	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	53	51	-2	-4.2%	0.3	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	333	282	-51	-15.2%	2.9	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	21	20	-1	-4.8%	0.2	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	109	127	18	16.9%	1.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	652	689	37	5.6%	1.4	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	580	484	-96	-16.5%	4.1	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	15	17	2	13.3%	0.5	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	562	542	-20	-3.6%	0.9	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	178	147	-31	-17.5%	2.4	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	727	718	-9	-1.2%	0.3	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	331	336	5	1.5%	0.3	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	155	119	-36	-23.5%	3.1	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	681	642	-39	-5.7%	1.5	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	349	441	92	26.4%	4.6	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	676	535	-141	-20.9%	5.7	Fail Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	338	262	-76	-22.5%	4.4	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	40	116	76	191.0%	8.6	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	317	390	73	23.0%	3.9	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	209	226	17	8.0%	1.1	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	84	96	12	14.3%	1.3	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	301	265	-36	-12.0%	2.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	1162	1158	-4	-0.3%	0.1	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	31	39	8	27.1%	1.4	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	147	93	-54	-36.7%	4.9	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	15	4	-11	-74.7%	3.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	101	93	-8	-8.1%	0.8	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	30	62	32	107.3%	4.7	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	815	706	-109	-13.4%	4.0	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	304	328	24	8.0%	1.4	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	66	148	82	123.6%	7.9	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	87	97	10	11.5%	1.0	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	136	108	-28	-20.6%	2.5	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	234	228	-6	-2.7%	0.4	Pass Low
65	5	Hall Quay	A	B	37z:44:52	326	329	3	1.0%	0.2	Pass Low
66	5	Hall Quay	B	A	52:44:37z	218	248	30	13.8%	2.0	Pass Low
67	5	Hall Quay	B	C	52:97z:51	1107	1105	-2	-0.2%	0.1	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	525	519	-6	-1.2%	0.3	Pass Low
69	5	Hall Quay	C	B	51:44:52	496	396	-100	-20.2%	4.8	Fail Low
70	6	Station Access	A	B	114:4:92z	836	833	-3	-0.3%	0.1	Pass Mid
71	6	Station Access	A	C	114:4:91	61	84	23	37.7%	2.7	Pass Low
72	6	Station Access	B	A	92z:4:114	856	851	-5	-0.5%	0.2	Pass Mid
73	6	Station Access	B	C	92z:4:91	148	152	4	2.6%	0.3	Pass Low
74	6	Station Access	C	A	91:4:114	254	252	-2	-0.9%	0.1	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	9	7	-2	-24.4%	0.8	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	275	254	-21	-7.5%	1.3	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	214	159	-55	-25.8%	4.0	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	62	54	-8	-13.2%	1.1	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	21	12	-9	-43.8%	2.3	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	1	10	9	900.0%	3.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	8	11	3	35.0%	0.9	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	6	17	11	186.7%	3.3	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	4	8	4	90.0%	1.5	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.6	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	182	146	-36	-19.9%	2.8	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	22	75	53	240.9%	7.6	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	123	131	8	6.7%	0.7	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	32	27	-5	-15.0%	0.9	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	81	89	8	9.4%	0.8	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	65	88	23	35.1%	2.6	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-100.0%	1.4	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	23	33	10	44.3%	1.9	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	22	12	-10	-43.6%	2.3	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	36	64	28	76.7%	3.9	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	149	132	-17	-11.5%	1.5	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	13	30	17	129.2%	3.6	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	10	4	-6	-62.0%	2.4	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	5	6	1	24.0%	0.5	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	31	5	-26	-83.9%	6.1	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	17	26	9	50.6%	1.9	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	5	6	1	12.0%	0.3	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	458	396	-62	-13.6%	3.0	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	96	115	19	19.4%	1.8	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	251	313	62	24.7%	3.7	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	189	135	-54	-28.7%	4.3	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	91	90	-1	-1.3%	0.1	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	272	292	20	7.5%	1.2	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	51	69	18	34.9%	2.3	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	26	19	-7	-28.5%	1.6	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	46	50	4	7.8%	0.5	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	87	53	-34	-39.1%	4.1	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	259	264	5	1.9%	0.3	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	754	773	19	2.6%	0.7	Pass Mid
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	52	45	-7	-13.1%	1.0	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	531	517	-14	-2.7%	0.6	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	124	161	37	30.0%	3.1	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	16	50	34	212.5%	5.9	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	392	323	-69	-17.6%	3.6	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	69	66	-3	-3.8%	0.3	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	142	182	40	28.3%	3.2	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	119	220	101	84.9%	7.8	Fail Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	216	252	36	16.8%	2.4	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	6	9	3	46.7%	1.0	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	94	95	1	1.1%	0.1	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	43	56	13	30.2%	1.8	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	9	12	3	33.3%	0.9	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	5	8	3	64.0%	1.2	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	123	99	-24	-19.5%	2.3	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	202	116	-86	-42.4%	6.8	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	8	21	13	160.0%	3.4	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	104	100	-4	-4.0%	0.4	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	51	54	3	6.3%	0.4	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	104	126	22	21.0%	2.0	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	48	50	2	3.3%	0.2	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	172	187	15	8.6%	1.1	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	352	335	-17	-4.8%	0.9	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	42	48	6	13.3%	0.8	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	573	534	-39	-6.8%	1.7	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	614	641	27	4.3%	1.1	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	70	48	-22	-31.7%	2.9	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	634	722	88	13.8%	3.4	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	37	14	-23	-63.2%	4.7	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	36	26	-10	-27.8%	1.8	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	52	6	-46	-87.7%	8.4	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	55	18	-37	-68.0%	6.2	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	93	91	-2	-1.9%	0.2	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	261	247	-14	-5.4%	0.9	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	130	171	41	31.4%	3.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	306	264	-42	-13.8%	2.5	Pass Low
174	4	Northgate Street	N	S	543:1365	241	232	-9	-3.8%	0.6	Pass Low
181	8	Burgh Rd	W	E	1057:1051	236	235	-1	-0.4%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	219	212	-7	-3.2%	0.5	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	336	324	-12	-3.6%	0.7	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	466	468	2	0.4%	0.1	Pass Low
193	14	Caister Road	S	N	369:536	830	820	-10	-1.2%	0.3	Pass Mid
194	14	Caister Road	N	S	536:369	525	544	19	3.5%	0.8	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	517	679	162	31.3%	6.6	Fail Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	210	214	4	2.1%	0.3	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	425	510	85	20.1%	3.9	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	77	88	11	13.8%	1.2	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	201	202	1	0.6%	0.1	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	96	90	-6	-5.8%	0.6	Pass Low
209	21	Matalan Access	exit		85:82	46	44	-2	-3.9%	0.3	Pass Low
210	21	Matalan Access		access	82:85	36	45	9	25.6%	1.4	Pass Low
211	22	Station Road	exit		78:79	295	330	35	11.9%	2.0	Pass Low
212	22	Station Road		access	79:78	55	86	31	56.0%	3.7	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	73	85	12	16.2%	1.3	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	16	12	-4	-22.5%	1.0	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	300	246	-54	-17.9%	3.2	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	112	98	-14	-12.1%	1.3	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	66	47	-19	-29.1%	2.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	649	804	155	23.8%	5.7	Fail Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	25	14	-11	-44.8%	2.5	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	68	66	-2	-3.2%	0.3	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	154	151	-3	-1.9%	0.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	307	257	-50	-16.2%	3.0	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	337	280	-57	-17.0%	3.3	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	95	97	2	1.9%	0.2	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	267	205	-62	-23.2%	4.0	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	186	216	30	16.3%	2.1	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	4	7	3	80.0%	1.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	251	185	-66	-26.1%	4.4	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	53	78	25	47.2%	3.1	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	10	1	-9	-88.0%	3.7	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	8	6	-2	-27.5%	0.8	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	6	2	-4	-60.0%	1.8	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	9	6	-3	-28.9%	0.9	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	23	31	8	33.9%	1.5	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	8	6	-2	-25.0%	0.8	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	2	11	9	440.0%	3.5	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	19	19	0	0.0%	0.0	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	108	76	-32	-29.3%	3.3	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	2	3	1	40.0%	0.5	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	4	4		2.8	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	3	0	-3	-93.3%	2.2	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	6	12	6	100.0%	2.0	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	12	17	5	41.7%	1.3	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	113	132	19	16.5%	1.7	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	22	7	-15	-66.4%	3.8	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	70	74	4	6.3%	0.5	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	103	102	-1	-1.4%	0.1	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	68	72	4	5.9%	0.5	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	220	177	-43	-19.5%	3.0	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	154	142	-12	-7.8%	1.0	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	83	78	-5	-6.0%	0.6	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	25	35	10	38.4%	1.8	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	202	257	55	27.0%	3.6	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	25	7	-18	-71.2%	4.4	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	51	63	12	22.7%	1.5	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	7	2	-5	-68.6%	2.2	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	14	0	-14	-98.6%	5.2	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	26	15	-11	-41.5%	2.4	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	2	2		1.8	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	254	278	24	9.6%	1.5	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	92	85	-7	-8.0%	0.8	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	66	66		11.5	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	36	86	50	139.4%	6.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	217	191	-26	-12.2%	1.8	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	1	2	1	60.0%	0.5	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	45	59	14	32.0%	2.0	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	11	20	9	78.2%	2.2	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	90	103	13	14.0%	1.3	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	27	37	10	35.6%	1.7	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	5	0	-5	-100.0%	3.2	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	172	196	24	13.8%	1.8	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	35	17	-18	-50.3%	3.4	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	1	1		1.1	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	93	85	-8	-8.8%	0.9	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	9	7	-2	-26.7%	0.9	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	166	196	30	17.8%	2.2	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	17	15	-2	-10.6%	0.4	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	64	70	6	9.7%	0.8	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	123	169	46	37.2%	3.8	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	6	10	4	70.0%	1.5	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	2	7	5	250.0%	2.4	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	25	36	11	45.6%	2.1	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	0	1	1		1.5	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	91	40	-51	-55.6%	6.2	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	215	207	-8	-3.7%	0.6	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	2	2		2.2	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	11	8	-3	-29.1%	1.0	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	26	43	17	63.8%	2.8	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	1	1		1.3	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	24	27	3	11.7%	0.6	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	232	217	-15	-6.6%	1.0	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	7	17	10	145.7%	2.9	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	23	14	-9	-38.3%	2.0	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	37	47	10	25.9%	1.5	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	0	4	4		2.8	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	56	88	32	57.5%	3.8	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	1	1	0	-20.0%	0.2	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	294	304	10	3.3%	0.6	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	4	3	-1	-20.0%	0.4	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	3	2	-1	-46.7%	0.9	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	1	0	-1	-80.0%	1.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	1	0	-1	-80.0%	1.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	8	38	30	380.0%	6.3	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	53	64	11	20.4%	1.4	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	5	3	-2	-48.0%	1.2	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	45	105	60	132.9%	6.9	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	5	97	92	1840.0%	12.9	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	30	27	-3	-10.7%	0.6	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	127	82	-45	-35.1%	4.4	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	32	9	-23	-71.3%	5.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	6	10	4	60.0%	1.3	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	85	110	25	28.9%	2.5	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	230	248	18	7.7%	1.1	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	438	465	27	6.2%	1.3	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	121	208	87	71.7%	6.8	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	186	159	-27	-14.3%	2.0	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	34	17	-17	-50.6%	3.4	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	10	23	13	132.0%	3.2	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	260	295	35	15.5%	2.1	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	540	671	131	24.2%	5.3	Fail Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	130	16	-114	-87.5%	13.3	Fail Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	10	3	-7	-66.0%	2.5	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	431	416	-15	-3.5%	0.7	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	9	40	31	340.0%	6.2	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	20	33	13	63.0%	2.5	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	317	250	-67	-21.1%	4.0	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	269	381	112	41.7%	6.2	Fail Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	253	326	73	28.9%	4.3	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	1	33	32	3160.0%	7.7	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	810	936	126	15.5%	4.3	Fail Mid
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	2	2		1.9	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	8	6	-2	-20.0%	0.6	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	4	4		2.8	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	479	397	-82	-17.1%	3.9	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	3	25	22	746.7%	5.9	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	3	10	7	240.0%	2.8	Pass Low



Vehicle Flow Information  
Validation Statistics  
Car Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	50	39	-11	-22.8%	1.7	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	210	149	-61	-29.0%	4.5	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	176	135	-41	-23.1%	3.3	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	88	122	34	39.1%	3.4	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	65	30	-35	-54.5%	5.1	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	276	381	105	38.2%	5.8	Fail Low
162	14	Alexandra Rd	D	E	JCT14DE	9	0	-9	-100.0%	4.2	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	42	37	-5	-12.4%	0.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	1070	1048	-22	-2.0%	0.7	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	1100	1203	103	9.3%	3.0	Pass Mid
169	2	Haven Bridge	NE	SW	872:50	803	1099	296	36.9%	9.6	Fail Mid
170	2	Haven Bridge	SW	NE	50:872	809	910	101	12.5%	3.4	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	451	577	126	28.0%	5.6	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	754	848	94	12.5%	3.3	Pass Mid
175	5	North Denes Rd	S	N	1270:559	450	187	-263	-58.4%	14.7	Fail Low
176	5	North Denes Rd	N	S	559:1270	134	90	-44	-32.8%	4.2	Pass Low
177	6	North Drive	S	N	1262:557	328	408	80	24.3%	4.2	Pass Low
178	6	North Drive	N	S	557:1262	170	164	-6	-3.5%	0.5	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	247	258	11	4.6%	0.7	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	881	740	-141	-16.0%	5.0	Fail Mid
185	10	A47/Beccles Rd	S	N	837:817z	1102	1183	81	7.4%	2.4	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	1359	1479	120	8.8%	3.2	Pass Mid
187	11	South Denes Rd	S	N	681:678	195	234	39	19.9%	2.6	Pass Low
188	11	South Denes Rd	N	S	678:681	53	50	-3	-4.9%	0.4	Pass Low
189	12	South Beach Parade	S	N	674:672	112	172	60	53.8%	5.1	Pass Low
190	12	South Beach Parade	N	S	672:674	27	58	31	114.8%	4.8	Pass Low
195	17	Southtown Rd	S	N	419:420	311	397	86	27.6%	4.6	Pass Low
196	17	Southtown Rd	N	S	420:419	347	273	-74	-21.3%	4.2	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	222	191	-31	-14.1%	2.2	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	380	429	49	12.8%	2.4	Pass Low
199	19	Euston Rd	E	W	532:339	126	119	-7	-5.4%	0.6	Pass Low
200	19	Euston Rd	W	E	339:532	117	156	39	33.3%	3.3	Pass Low
201	20	Acle New Rd	SE	NW	12:1	835	1002	167	20.0%	5.5	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	787	824	37	4.7%	1.3	Pass Mid





Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	1	1	0	40.0%	0.4	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	2	3	1	60.0%	0.7	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	5	21	16	316.0%	4.4	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	0	0	0		0.6	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	1	1		1.1	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	0	0	0		0.0	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	4	1	-3	-70.0%	1.7	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	7	10	3	37.1%	0.9	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	24	2	-22	-90.8%	6.0	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	13	11	-2	-16.9%	0.6	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	7	11	4	54.3%	1.3	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	11	17	6	58.2%	1.7	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	10	8	-2	-24.0%	0.8	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	0	0	0		0.0	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	1	1	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	21	12	-9	-43.8%	2.3	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	15	25	10	66.7%	2.2	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	2	1	-1	-30.0%	0.5	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	0	1	1		1.4	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	1	1	0	-40.0%	0.4	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	16	11	-5	-28.8%	1.2	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	0	0	0		0.9	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	1	1	0	20.0%	0.2	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	9	20	11	122.2%	2.9	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	26	27	1	4.6%	0.2	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	3	1	-2	-66.7%	1.4	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	5	23	18	368.0%	4.9	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	5	5	0	-4.0%	0.1	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	23	33	10	45.2%	2.0	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	4	9	5	125.0%	2.0	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	1	0	-1	-60.0%	0.7	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	5	13	8	152.0%	2.6	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	4	4	0	5.0%	0.1	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	28	45	17	60.7%	2.8	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	12	28	16	136.7%	3.6	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	1	3	2	220.0%	1.5	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	11	6	-5	-43.6%	1.6	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	2	8	6	290.0%	2.6	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	0	12	12		4.9	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	9	6	-3	-28.9%	0.9	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	11	49	38	347.3%	7.0	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	6	3	-3	-46.7%	1.3	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	6	10	4	60.0%	1.3	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	0	0	0		0.0	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	2	1	-1	-30.0%	0.5	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	1	1	0	0.0%	0.0	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	21	52	31	146.7%	5.1	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	4	1	-3	-80.0%	2.1	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	7	15	8	108.6%	2.3	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	13	14	1	7.7%	0.3	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	3	1	-2	-73.3%	1.6	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	2	6	4	210.0%	2.1	Pass Low
65	5	Hall Quay	A	B	37z:44:52	13	9	-4	-32.3%	1.3	Pass Low
66	5	Hall Quay	B	A	52:44:37z	18	10	-8	-42.2%	2.0	Pass Low
67	5	Hall Quay	B	C	52:97z:51	32	23	-9	-28.8%	1.8	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	26	17	-9	-33.8%	1.9	Pass Low
69	5	Hall Quay	C	B	51:44:52	12	26	14	118.3%	3.2	Pass Low
70	6	Station Access	A	B	114:4:92z	27	36	9	31.9%	1.5	Pass Low
71	6	Station Access	A	C	114:4:91	1	1	0	0.0%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	22	32	10	46.4%	2.0	Pass Low
73	6	Station Access	B	C	92z:4:91	0	0	0		0.0	Pass Low
74	6	Station Access	C	A	91:4:114	3	1	-2	-60.0%	1.2	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	0	0	0		0.9	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	19	2	-17	-91.6%	5.4	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	3	0	-3	-100.0%	2.4	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	2	6	4	220.0%	2.1	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	4	0	-4	-90.0%	2.4	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	0	0		0.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	0	0	0		0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	1	1		1.1	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	0	0		0.0	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	20	5	-15	-74.0%	4.2	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	1	1	0	-20.0%	0.2	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	0	0	0		0.0	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	2	0	-2	-90.0%	1.7	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	1	0	-1	-80.0%	1.0	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	0	0	0		0.9	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	0	1	1		1.7	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	0	0	0		0.0	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	0	7	7		3.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	1	1	0	0.0%	0.0	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	1	1	0	40.0%	0.4	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	1	1	0	-40.0%	0.4	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	0	0	0		0.0	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	0	0	0		0.0	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	0	0	0		0.9	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	0	0	0		0.0	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	22	6	-16	-74.5%	4.4	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	5	1	-4	-84.0%	2.5	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	20	5	-15	-73.0%	4.1	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	4	11	7	175.0%	2.6	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	8	1	-7	-87.5%	3.3	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	8	6	-2	-25.0%	0.8	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	2	0	-2	-100.0%	2.0	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	0	0	0		0.0	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	1	1	0	-40.0%	0.4	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	2	0	-2	-100.0%	2.0	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	22	7	-15	-67.3%	3.9	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	10	15	5	52.0%	1.5	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	3	0	-3	-100.0%	2.4	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	26	9	-17	-64.6%	4.0	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	2	2	0	20.0%	0.3	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	1	2	1	80.0%	0.7	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	13	34	21	158.5%	4.3	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	1	1	0	40.0%	0.4	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	9	3	-6	-71.1%	2.7	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	13	2	-11	-81.5%	3.8	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	23	20	-3	-13.9%	0.7	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	0	0	0		0.0	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	0	0	0		0.0	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	1	2	1	80.0%	0.7	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	1	0	-1	-100.0%	1.4	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	1	1	0	20.0%	0.2	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	2	0	-2	-100.0%	2.0	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	0	0	0		0.6	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	6	0	-6	-93.3%	3.1	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	2	1	-1	-40.0%	0.6	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	1	6	5	460.0%	2.5	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	2	3	1	40.0%	0.5	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	5	4	-1	-20.0%	0.5	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	2	3	1	30.0%	0.4	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	1	1	0	20.0%	0.2	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	23	34	11	47.8%	2.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	2	5	3	160.0%	1.7	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	2	0	-2	-90.0%	1.7	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	20	28	8	39.0%	1.6	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	2	0	-2	-90.0%	1.7	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	0	0	0		0.0	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	0	0	0		0.0	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	1	0	-1	-100.0%	1.4	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	1	2	1	80.0%	0.7	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	8	5	-3	-37.5%	1.2	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	3	2	-1	-26.7%	0.5	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	14	25	11	80.0%	2.5	Pass Low
174	4	Northgate Street	N	S	543:1365	11	10	-1	-7.3%	0.2	Pass Low
181	8	Burgh Rd	W	E	1057:1051	10	10	0	-2.0%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	10	8	-2	-22.0%	0.7	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	20	21	1	5.0%	0.2	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	28	9	-19	-69.3%	4.5	Pass Low
193	14	Caister Road	S	N	369:536	50	44	-6	-12.4%	0.9	Pass Low
194	14	Caister Road	N	S	536:369	32	33	1	3.1%	0.2	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	5	16	11	216.0%	3.3	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	0	1	1		1.3	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	3	25	22	740.0%	5.9	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	0	0	0		0.0	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	0	1	1		1.3	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	0	0	0		0.0	Pass Low
209	21	Matalan Access	exit		85:82	2	2	0	0.0%	0.0	Pass Low
210	21	Matalan Access		access	82:85	2	1	-1	-50.0%	0.8	Pass Low
211	22	Station Road	exit		78:79	3	2	-1	-33.3%	0.6	Pass Low
212	22	Station Road		access	79:78	0	1	1		1.4	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	1	2	1	100.0%	0.8	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	0	2	2		1.9	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	4	0	-4	-100.0%	2.8	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	1	0	-1	-100.0%	1.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	0	0	0		0.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	7	17	10	142.9%	2.9	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	0	2	2		1.8	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	0	1	1		1.4	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	1	0	-1	-100.0%	1.4	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	12	2	-10	-80.0%	3.6	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	7	37	30	428.6%	6.4	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	0	2	2		2.0	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	5	12	7	148.0%	2.5	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	14	9	-5	-34.3%	1.4	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	0	0	0		0.6	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	4	5	1	15.0%	0.3	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	0	1	1		1.1	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	3	0	-3	-100.0%	2.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	0	0	0		0.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0		0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	0	0	0		0.0	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	0	0	0		0.0	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	0	0	0		0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	0	0		0.0	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	0	0	0		0.0	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	1	1	0	-20.0%	0.2	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0		0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	0	0	0		0.9	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	2	2		2.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	3	4	1	26.7%	0.4	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	0	0	0		0.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	1	1	0	0.0%	0.0	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	0	0	0		0.0	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	1	1	0	20.0%	0.2	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	4	4	0	-5.0%	0.1	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	2	12	10	520.0%	3.9	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	0	0	0		0.0	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	0	1	1		1.1	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	14	6	-8	-54.3%	2.4	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	1	3	2	180.0%	1.3	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	2	0	-2	-80.0%	1.5	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	0	0	0		0.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	2	0	-2	-100.0%	2.0	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	1	0	-1	-100.0%	1.4	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	0	0		0.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	0	3	3		2.3	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	0	5	5		3.3	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	0	0		0.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	0	3	3		2.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	0	0	0		0.0	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	0	0		0.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	0	0	0		0.0	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	0	2	2		1.9	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	0	4	4		2.7	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	0	0	0		0.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	0	3	3		2.3	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	0	0	0		0.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	0	5	5		3.3	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	2	0	-2	-80.0%	1.5	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	0	3	3		2.4	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	0	5	5		3.3	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	3	10	7	233.3%	2.7	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	0	0	0		0.0	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	3	0	-3	-93.3%	2.2	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	5	6	1	12.0%	0.3	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	1	0	-1	-100.0%	1.4	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	1	1	0	-40.0%	0.4	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	4	11	7	165.0%	2.4	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	0	1	1		1.1	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	8	6	-2	-27.5%	0.8	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	0	1	1		1.5	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	4	12	8	195.0%	2.8	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	0	0	0		0.0	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	0	0	0		0.9	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	7	6	-1	-20.0%	0.6	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	1	1	0	-20.0%	0.2	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	0	2	2		2.1	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	0	0		0.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	4	14	10	250.0%	3.3	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	0	0		0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	0	0		0.6	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	1	1	0	20.0%	0.2	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	6	7	1	16.7%	0.4	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	1	0	-1	-100.0%	1.4	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	2	2	0	-10.0%	0.1	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	0	3	3		2.4	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	0	0	0		0.0	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	1	1	0	-20.0%	0.2	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	0	0	0		0.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	0	0	0		0.0	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	1	0	-1	-80.0%	1.0	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	16	21	5	31.3%	1.2	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	6	8	2	40.0%	0.9	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	4	2	-2	-40.0%	0.9	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	6	2	-4	-63.3%	1.9	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	0	0	0		0.6	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	0	0	0		0.0	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	5	14	9	172.0%	2.8	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	10	11	1	8.0%	0.2	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	2	1	-1	-60.0%	1.0	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	0	-1	-100.0%	1.4	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	11	15	4	34.5%	1.1	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	0	1	1		1.4	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	0	1	1		1.5	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:811z	14	12	-2	-14.3%	0.6	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	11	7	-4	-36.4%	1.3	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	4	1	-3	-75.0%	1.9	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	0	0		0.0	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	8	17	9	115.0%	2.6	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.0	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.0	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	8	39	31	390.0%	6.4	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	0	0	0		0.9	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	0	0	0		0.0	Pass Low



**Vehicle Flow Information  
Validation Statistics  
HGV Vehicles  
PM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	0	5	5		3.0	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	2	1	-1	-30.0%	0.5	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	1	0	-1	-100.0%	1.4	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	2	1	-1	-70.0%	1.2	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	7	2	-5	-65.7%	2.1	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	3	5	2	60.0%	0.9	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	0	0	0		0.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	0	0	0		0.6	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	60	51	-9	-14.7%	1.2	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	51	46	-5	-10.6%	0.8	Pass Low
169	2	Haven Bridge	NE	SW	872:50	60	23	-37	-62.3%	5.8	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	49	43	-6	-11.4%	0.8	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	15	25	10	64.0%	2.2	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	32	20	-12	-37.5%	2.4	Pass Low
175	5	North Denes Rd	S	N	1270:559	16	0	-16	-98.8%	5.6	Pass Low
176	5	North Denes Rd	N	S	559:1270	4	0	-4	-100.0%	2.8	Pass Low
177	6	North Drive	S	N	1262:557	10	0	-10	-100.0%	4.5	Pass Low
178	6	North Drive	N	S	557:1262	7	4	-3	-42.9%	1.3	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	8	8	0	-2.5%	0.1	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	29	6	-23	-80.7%	5.6	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	61	67	6	10.5%	0.8	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	68	57	-11	-16.2%	1.4	Pass Low
187	11	South Denes Rd	S	N	681:678	24	12	-12	-50.8%	2.9	Pass Low
188	11	South Denes Rd	N	S	678:681	4	6	2	60.0%	1.1	Pass Low
189	12	South Beach Parade	S	N	674:672	5	5	0	0.0%	0.0	Pass Low
190	12	South Beach Parade	N	S	672:674	1	4	3	280.0%	1.8	Pass Low
195	17	Southtown Rd	S	N	419:420	25	7	-18	-71.2%	4.4	Pass Low
196	17	Southtown Rd	N	S	420:419	33	6	-27	-83.0%	6.2	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	6	5	-1	-23.3%	0.6	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	38	22	-16	-42.6%	3.0	Pass Low
199	19	Euston Rd	E	W	532:339	3	1	-2	-60.0%	1.2	Pass Low
200	19	Euston Rd	W	E	339:532	3	6	3	93.3%	1.3	Pass Low
201	20	Acle New Rd	SE	NW	12:1	41	33	-8	-20.5%	1.4	Pass Low
202	20	Acle New Rd	NW	SE	1:12	46	36	-10	-21.7%	1.6	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	2	7	5	240.0%	2.3	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	17	24	7	41.2%	1.5	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	100	82	-18	-18.0%	1.9	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	3	5	2	66.7%	1.0	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	1	1		1.1	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	5	6	1	12.0%	0.3	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	30	26	-4	-13.3%	0.8	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	49	56	7	13.9%	0.9	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	21	15	-6	-27.6%	1.4	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	38	49	11	28.4%	1.6	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	77	52	-25	-32.2%	3.1	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	33	39	6	18.2%	1.0	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	24	23	-1	-5.8%	0.3	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	1	6	5	500.0%	2.7	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	9	4	-5	-55.6%	2.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	52	32	-20	-38.5%	3.1	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	99	86	-13	-12.7%	1.3	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	2	1	-1	-50.0%	0.8	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	2	2	0	20.0%	0.3	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	9	7	-2	-24.4%	0.8	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	56	44	-12	-20.7%	1.6	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	5	2	-3	-56.0%	1.5	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	4	6	2	40.0%	0.7	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	112	113	1	1.1%	0.1	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	83	69	-14	-16.9%	1.6	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	3	2	-1	-26.7%	0.5	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	76	83	7	9.2%	0.8	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	20	19	-1	-5.0%	0.2	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	143	125	-18	-12.7%	1.6	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	54	63	9	17.4%	1.2	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	9	12	3	37.8%	1.0	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	63	104	41	65.4%	4.5	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	38	45	7	17.9%	1.1	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	120	101	-19	-16.0%	1.8	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	50	42	-8	-16.4%	1.2	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	8	11	3	40.0%	1.0	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	36	43	7	20.6%	1.2	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	27	23	-4	-13.3%	0.7	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	8	15	7	85.0%	2.0	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	40	33	-7	-17.5%	1.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	157	205	48	30.4%	3.6	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	13	6	-7	-53.8%	2.3	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	27	14	-13	-48.9%	2.9	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	1	2	1	60.0%	0.5	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	10	4	-6	-64.0%	2.5	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	3	11	8	280.0%	3.1	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	127	117	-10	-8.2%	0.9	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	38	44	6	14.7%	0.9	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	11	35	24	218.2%	5.0	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	16	17	1	6.3%	0.2	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	19	14	-5	-24.2%	1.1	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	32	33	1	3.7%	0.2	Pass Low
65	5	Hall Quay	A	B	37z:44:52	43	47	4	8.4%	0.5	Pass Low
66	5	Hall Quay	B	A	52:44:37z	37	49	12	31.9%	1.8	Pass Low
67	5	Hall Quay	B	C	52:97z:51	132	119	-13	-9.7%	1.1	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	72	59	-13	-18.6%	1.7	Pass Low
69	5	Hall Quay	C	B	51:44:52	61	48	-13	-21.3%	1.8	Pass Low
70	6	Station Access	A	B	114:4:92z	133	118	-15	-11.4%	1.4	Pass Low
71	6	Station Access	A	C	114:4:91	5	4	-1	-16.0%	0.4	Pass Low
72	6	Station Access	B	A	92z:4:114	159	155	-4	-2.6%	0.3	Pass Low
73	6	Station Access	B	C	92z:4:91	10	7	-3	-32.0%	1.1	Pass Low
74	6	Station Access	C	A	91:4:114	14	9	-5	-37.1%	1.5	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	4	1	-3	-70.0%	1.7	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	34	25	-9	-26.5%	1.7	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	18	12	-6	-34.4%	1.6	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	7	10	3	42.9%	1.0	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	2	0	-2	-100.0%	2.0	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	1	1		1.3	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	3	3	0	0.0%	0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	1	2	1	120.0%	0.9	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	1	1		1.5	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	24	14	-10	-43.3%	2.4	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	3	11	8	260.0%	3.0	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	14	12	-2	-17.1%	0.7	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	1	1	0	0.0%	0.0	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	11	15	4	32.7%	1.0	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	5	7	2	48.0%	1.0	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	0	5	5		3.3	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	1	2	1	60.0%	0.5	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	4	9	5	115.0%	1.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	13	10	-3	-26.2%	1.0	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	1	6	5	520.0%	2.7	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	1	0	-1	-80.0%	1.0	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	2	5	3	170.0%	1.8	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	3	0	-3	-93.3%	2.2	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	3	1	-2	-60.0%	1.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	1	1	0	-40.0%	0.4	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	46	38	-8	-18.3%	1.3	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	12	11	-1	-5.0%	0.2	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	36	36	0	0.6%	0.0	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	29	19	-10	-34.5%	2.0	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	19	12	-7	-36.8%	1.8	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	38	36	-2	-5.8%	0.4	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	9	2	-7	-75.6%	2.9	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	4	2	-2	-60.0%	1.4	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	2	3	1	70.0%	0.9	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	6	3	-3	-56.7%	1.6	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	42	11	-31	-73.3%	6.0	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	87	103	16	18.6%	1.7	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	8	3	-5	-60.0%	2.0	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	67	58	-9	-14.0%	1.2	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	12	20	8	70.0%	2.1	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	1	8	7	680.0%	3.2	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	51	46	-5	-9.8%	0.7	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	7	12	5	68.6%	1.6	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	11	30	19	172.7%	4.2	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	20	23	3	13.0%	0.6	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	36	39	3	7.8%	0.5	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	0	0	0		0.9	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	15	9	-6	-38.7%	1.7	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	4	9	5	125.0%	2.0	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	0	1	1		1.4	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.9	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	16	6	-10	-61.3%	2.9	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	18	10	-8	-44.4%	2.1	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	1	2	1	140.0%	1.1	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	9	9	0	-2.2%	0.1	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	8	3	-5	-60.0%	2.0	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	9	12	3	37.8%	1.0	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	5	7	2	36.0%	0.7	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	20	19	-1	-7.0%	0.3	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	37	30	-7	-17.8%	1.1	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	4	3	-1	-15.0%	0.3	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	81	78	-3	-3.2%	0.3	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	65	61	-4	-5.5%	0.5	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	3	3	0	6.7%	0.1	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	77	110	33	42.3%	3.4	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	5	1	-4	-88.0%	2.6	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	3	1	-2	-73.3%	1.6	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	9	1	-8	-91.1%	3.7	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	6	0	-6	-93.3%	3.1	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	8	9	1	12.5%	0.3	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	26	40	14	55.4%	2.5	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	15	14	-1	-8.0%	0.3	Pass Low





**Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Peak**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	38	42	4	10.5%	0.6	Pass Low
174	4	Northgate Street	N	S	543:1365	30	22	-8	-27.3%	1.6	Pass Low
181	8	Burgh Rd	W	E	1057:1051	25	22	-3	-12.8%	0.7	Pass Low
182	8	Burgh Rd	E	W	1051:1057	23	22	-1	-3.5%	0.2	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	57	53	-4	-6.3%	0.5	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	79	74	-5	-6.8%	0.6	Pass Low
193	14	Caister Road	S	N	369:536	140	126	-14	-10.0%	1.2	Pass Low
194	14	Caister Road	N	S	536:369	89	96	7	7.4%	0.7	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	93	110	17	18.5%	1.7	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	16	10	-6	-38.8%	1.7	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	43	66	23	53.5%	3.1	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	11	8	-3	-25.5%	0.9	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	14	16	2	15.7%	0.6	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	5	3	-2	-36.0%	0.9	Pass Low
209	21	Matalan Access	exit		85:82	0	2	2		1.9	Pass Low
210	21	Matalan Access		access	82:85	0	1	1		1.3	Pass Low
211	22	Station Road	exit		78:79	21	39	18	86.7%	3.3	Pass Low
212	22	Station Road		access	79:78	3	11	8	266.7%	3.0	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	2	6	4	180.0%	1.8	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	1	1	0	-40.0%	0.4	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	22	20	-2	-10.0%	0.5	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	3	1	-2	-53.3%	1.1	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	9	5	-4	-48.9%	1.7	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	73	121	48	66.3%	4.9	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	1	1	0	-20.0%	0.2	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	10	5	-5	-50.0%	1.8	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	21	20	-1	-3.8%	0.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	18	15	-3	-14.4%	0.6	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	42	54	12	29.5%	1.8	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	13	15	2	12.3%	0.4	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	24	21	-3	-11.7%	0.6	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	21	44	23	109.5%	4.0	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	0	3	3		2.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	19	20	1	3.2%	0.1	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	7	9	2	31.4%	0.8	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	3	0	-3	-100.0%	2.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	0	2	2		1.8	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0		0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	0	1	1		1.3	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	1	4	3	260.0%	1.7	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	1	1	0	-40.0%	0.4	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	1	1		1.3	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	2	0	-2	-80.0%	1.5	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	10	4	-6	-60.0%	2.3	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	1	1		1.3	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	2	0	-2	-90.0%	1.7	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	1	1		1.7	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	11	13	2	18.2%	0.6	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	1	0	-1	-60.0%	0.7	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	5	7	2	40.0%	0.8	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	9	8	-1	-8.9%	0.3	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	4	5	1	25.0%	0.5	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	17	21	4	22.4%	0.9	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	17	15	-2	-9.4%	0.4	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	7	6	-1	-8.6%	0.2	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	3	10	7	233.3%	2.7	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	20	40	20	100.0%	3.7	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	2	4	2	90.0%	1.1	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	2	8	6	290.0%	2.6	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	0	0	0		0.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	4	0	-4	-100.0%	2.8	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	1	1	0	40.0%	0.4	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	1	1		1.4	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	14	22	8	55.7%	1.8	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	7	7	0	-2.9%	0.1	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	4	4		3.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	2	6	4	210.0%	2.1	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	13	15	2	13.8%	0.5	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	2	1	-1	-60.0%	1.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	6	4	-2	-26.7%	0.7	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	1	1	0	20.0%	0.2	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	4	7	3	75.0%	1.3	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	3	3	0	0.0%	0.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	10	18	8	78.0%	2.1	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	3	1	-2	-73.3%	1.6	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.6	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	6	7	1	13.3%	0.3	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	1	1	0	-40.0%	0.4	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	10	18	8	80.0%	2.1	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	3	1	-2	-53.3%	1.1	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	3	6	3	86.7%	1.3	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	13	27	14	106.2%	3.1	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	1	3	2	200.0%	1.4	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	2	2	0	-10.0%	0.1	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	4	8	4	110.0%	1.8	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	2	1	-1	-40.0%	0.6	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	10	4	-6	-56.0%	2.1	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	23	31	8	35.7%	1.6	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	1	2	1	60.0%	0.5	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	6	10	4	66.7%	1.4	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.6	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	4	3	-1	-20.0%	0.4	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	26	32	6	21.5%	1.0	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	0	3	3		2.4	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	1	4	3	280.0%	1.8	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	7	10	3	48.6%	1.2	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	0	1	1		1.5	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	5	6	1	24.0%	0.5	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	0	0		0.9	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	32	37	5	15.6%	0.9	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	1	1		1.4	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	1	1		1.3	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	2	5	3	130.0%	1.4	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	8	14	6	77.5%	1.9	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	0	0	0		0.0	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	7	12	5	68.6%	1.6	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	1	13	12	1160.0%	4.4	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	2	5	3	140.0%	1.5	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	22	17	-5	-24.5%	1.2	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	5	1	-4	-76.0%	2.2	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	1	1	0	-20.0%	0.2	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	9	17	8	84.4%	2.1	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	28	39	11	37.9%	1.8	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	48	46	-2	-4.6%	0.3	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	16	25	9	57.5%	2.0	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	16	16	0	0.0%	0.0	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	4	2	-2	-50.0%	1.2	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	2	6	4	180.0%	1.8	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	21	39	18	84.8%	3.3	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	74	71	-3	-4.1%	0.4	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	13	2	-11	-83.1%	3.9	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	0	0	0		0.0	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	39	51	12	30.3%	1.8	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	1	4	3	300.0%	1.9	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	1	4	3	340.0%	2.1	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:811z	39	31	-8	-21.5%	1.4	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	40	48	8	20.0%	1.2	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	38	45	7	19.5%	1.1	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	0	3	3		2.4	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	80	126	46	57.5%	4.5	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	2	0	-2	-90.0%	1.7	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	1	1		1.4	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	54	64	10	17.8%	1.3	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	0	1	1		1.5	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	0	-1	-80.0%	1.0	Pass Low



Vehicle Flow Information  
Validation Statistics  
LGV Vehicles  
PM Peak

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	4	4	0	10.0%	0.2	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	24	18	-6	-25.0%	1.3	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	13	9	-4	-30.8%	1.2	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	13	19	6	47.7%	1.5	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	5	4	-1	-24.0%	0.6	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	27	50	23	83.7%	3.7	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	1	0	-1	-100.0%	1.4	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	6	3	-3	-46.7%	1.3	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	180	155	-25	-14.0%	1.9	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	184	208	24	12.9%	1.7	Pass Low
169	2	Haven Bridge	NE	SW	872:50	129	118	-11	-8.2%	1.0	Pass Low
170	2	Haven Bridge	SW	NE	50:872	117	106	-11	-9.4%	1.0	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	69	90	21	30.1%	2.3	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	124	108	-16	-12.7%	1.5	Pass Low
175	5	North Denes Rd	S	N	1270:559	48	17	-31	-65.4%	5.5	Pass Low
176	5	North Denes Rd	N	S	559:1270	15	15	0	1.3%	0.1	Pass Low
177	6	North Drive	S	N	1262:557	37	39	2	4.3%	0.3	Pass Low
178	6	North Drive	N	S	557:1262	21	23	2	7.6%	0.3	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	33	35	2	7.3%	0.4	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	131	105	-26	-19.8%	2.4	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	183	195	12	6.7%	0.9	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	242	240	-2	-0.9%	0.1	Pass Low
187	11	South Denes Rd	S	N	681:678	43	35	-8	-19.5%	1.3	Pass Low
188	11	South Denes Rd	N	S	678:681	10	12	2	16.0%	0.5	Pass Low
189	12	South Beach Parade	S	N	674:672	14	14	0	2.9%	0.1	Pass Low
190	12	South Beach Parade	N	S	672:674	3	5	2	53.3%	0.8	Pass Low
195	17	Southtown Rd	S	N	419:420	39	46	7	16.9%	1.0	Pass Low
196	17	Southtown Rd	N	S	420:419	45	25	-20	-44.0%	3.3	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	28	21	-7	-24.3%	1.4	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	47	68	21	45.1%	2.8	Pass Low
199	19	Euston Rd	E	W	532:339	18	8	-10	-57.8%	2.9	Pass Low
200	19	Euston Rd	W	E	339:532	16	15	-1	-7.5%	0.3	Pass Low
201	20	Acle New Rd	SE	NW	12:1	130	162	32	24.6%	2.6	Pass Low
202	20	Acle New Rd	NW	SE	1:12	127	119	-8	-6.0%	0.7	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	80	154	74	92.5%	3.9	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	420	406	-14	-3.3%	0.4	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	2064	1967	-97	-4.7%	1.2	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	87	31	-56	-64.8%	4.2	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	18	22	4	22.2%	0.5	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	126	136	10	7.6%	0.5	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	617	693	76	12.4%	1.7	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	1162	1230	68	5.9%	1.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	503	532	29	5.8%	0.7	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	2	1	-1	-70.0%	0.7	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	699	807	108	15.4%	2.3	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	1857	1599	-258	-13.9%	3.6	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	764	882	118	15.4%	2.4	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	360	375	15	4.2%	0.5	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	15	29	14	90.7%	1.7	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	32	33	1	3.8%	0.1	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	817	803	-14	-1.7%	0.3	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	1722	1671	-51	-3.0%	0.7	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	45	46	1	1.8%	0.1	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	73	66	-7	-9.6%	0.5	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	155	146	-9	-5.9%	0.4	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	973	909	-64	-6.5%	1.2	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	75	68	-7	-8.8%	0.5	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	379	389	10	2.5%	0.3	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	2364	2434	70	3.0%	0.8	Pass Mid
29	2	Vauxhall Roundabout	D	A	204:218:214:221	1630	1625	-5	-0.3%	0.1	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	57	53	-4	-6.7%	0.3	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	1970	1950	-20	-1.0%	0.3	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	628	491	-137	-21.8%	3.3	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	2641	2529	-112	-4.2%	1.3	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	1037	1181	144	13.8%	2.5	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	358	327	-31	-8.8%	1.0	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	1778	2020	242	13.6%	3.2	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	1101	1233	132	12.0%	2.2	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	2337	2096	-241	-10.3%	3.0	Pass Mid
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	1218	993	-225	-18.5%	3.9	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	251	338	87	34.7%	2.9	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	993	1235	242	24.4%	4.2	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	718	683	-35	-4.9%	0.8	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	278	353	75	26.9%	2.4	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	980	915	-65	-6.7%	1.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	3569	3812	243	6.8%	2.3	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	131	158	27	20.8%	1.3	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	550	385	-165	-29.9%	4.4	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	39	8	-31	-79.0%	3.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	267	258	-9	-3.4%	0.3	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	109	188	79	72.8%	3.8	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	2970	2748	-222	-7.5%	2.4	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	633	850	217	34.2%	4.6	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	235	459	224	95.5%	7.0	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	271	310	39	14.2%	1.3	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	383	270	-113	-29.4%	3.6	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	620	632	12	2.0%	0.3	Pass Low
65	5	Hall Quay	A	B	37z:44:52	992	1016	24	2.4%	0.4	Pass Low
66	5	Hall Quay	B	A	52:44:37z	792	783	-9	-1.1%	0.2	Pass Low
67	5	Hall Quay	B	C	52:97z:51	3053	3055	2	0.1%	0.0	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	1693	1496	-197	-11.6%	2.8	Pass Low
69	5	Hall Quay	C	B	51:44:52	1526	1306	-220	-14.4%	3.4	Pass Low
70	6	Station Access	A	B	114:4:92z	2964	2935	-29	-1.0%	0.3	Pass Mid
71	6	Station Access	A	C	114:4:91	260	263	3	1.2%	0.1	Pass Low
72	6	Station Access	B	A	92z:4:114	2963	3048	85	2.9%	0.9	Pass Mid
73	6	Station Access	B	C	92z:4:91	458	443	-15	-3.3%	0.4	Pass Low
74	6	Station Access	C	A	91:4:114	820	770	-50	-6.1%	1.0	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	49	20	-29	-58.8%	2.8	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	876	740	-136	-15.5%	2.8	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	506	448	-58	-11.4%	1.5	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	170	181	11	6.6%	0.5	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	74	31	-43	-58.1%	3.4	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	13	27	14	104.6%	1.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	31	33	2	7.1%	0.2	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	24	52	28	118.3%	2.7	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	11	32	21	187.3%	2.6	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	2	0	-2	-80.0%	0.8	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	747	438	-309	-41.3%	7.3	Fail Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	107	239	132	123.6%	5.8	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	390	383	-7	-1.8%	0.2	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	129	77	-52	-40.2%	2.9	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	275	261	-14	-5.0%	0.5	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	211	250	39	18.5%	1.5	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-80.0%	0.6	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	53	118	65	122.6%	4.1	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	71	36	-35	-48.7%	2.7	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	135	224	89	66.1%	3.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	436	387	-49	-11.3%	1.4	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	40	91	51	127.0%	3.6	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	29	11	-18	-62.8%	2.4	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	22	32	10	43.6%	1.1	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	90	15	-75	-82.9%	5.9	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	69	72	3	4.1%	0.2	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	32	15	-17	-51.9%	2.0	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	1279	1148	-131	-10.2%	2.2	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	331	328	-3	-1.0%	0.1	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	914	885	-29	-3.1%	0.6	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	631	515	-116	-18.4%	2.8	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	231	223	-8	-3.4%	0.3	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	869	960	91	10.4%	1.7	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	173	194	21	12.1%	0.9	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	84	53	-31	-37.1%	2.2	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	131	158	27	20.8%	1.3	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	252	151	-101	-40.2%	4.1	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	850	737	-113	-13.3%	2.3	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	1971	2157	186	9.4%	2.4	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	143	122	-21	-14.4%	1.0	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	1582	1447	-135	-8.6%	2.0	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	385	435	50	12.9%	1.4	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	68	171	103	150.9%	5.4	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	1384	1170	-214	-15.4%	3.5	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	232	230	-2	-0.9%	0.1	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	495	561	66	13.4%	1.7	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	412	695	283	68.6%	6.9	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	936	888	-48	-5.1%	0.9	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	17	25	8	45.9%	1.0	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	328	318	-10	-3.0%	0.3	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:502	167	185	18	10.8%	0.8	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	33	34	1	2.4%	0.1	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	21	31	10	48.6%	1.2	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:502	355	287	-68	-19.2%	2.2	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	497	347	-150	-30.1%	4.2	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	21	60	39	186.7%	3.6	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:502	292	296	4	1.3%	0.1	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	5002:339:465	193	170	-23	-12.0%	1.0	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	5002:339:532	351	397	46	13.0%	1.4	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	5002:339:505	158	176	18	11.3%	0.8	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.4	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	611	552	-59	-9.6%	1.4	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	925	884	-41	-4.5%	0.8	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	178	137	-41	-23.0%	1.9	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	1804	1815	11	0.6%	0.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	1729	1802	73	4.2%	1.0	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	181	149	-32	-17.8%	1.4	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	1791	2091	300	16.7%	3.9	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	157	35	-122	-77.5%	7.2	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	113	73	-40	-35.0%	2.4	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	216	19	-197	-91.1%	10.5	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	170	35	-135	-79.4%	7.7	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	326	287	-39	-12.0%	1.3	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	887	741	-146	-16.4%	3.0	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	460	495	35	7.6%	0.9	Pass Low



Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	879	903	24	2.8%	0.5	Pass Low
174	4	Northgate Street	N	S	543:1365	834	749	-85	-10.2%	1.8	Pass Low
181	8	Burgh Rd	W	E	1057:1051	689	682	-7	-1.1%	0.2	Pass Low
182	8	Burgh Rd	E	W	1051:1057	671	650	-21	-3.1%	0.5	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	1173	1128	-45	-3.9%	0.8	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	1497	1459	-38	-2.6%	0.6	Pass Low
193	14	Caister Road	S	N	369:536	2708	2702	-6	-0.2%	0.1	Pass Mid
194	14	Caister Road	N	S	536:369	1970	2046	76	3.9%	1.0	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	1570	2137	567	36.1%	7.6	Fail Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	714	614	-100	-14.0%	2.2	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	1233	1603	370	30.0%	5.7	Fail Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	253	243	-10	-4.0%	0.4	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	695	671	-24	-3.4%	0.5	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	286	281	-5	-1.7%	0.2	Pass Low
209	21	Matalan Access	exit		85:82	132	131	-1	-0.6%	0.0	Pass Low
210	21	Matalan Access		access	82:85	117	126	9	7.4%	0.5	Pass Low
211	22	Station Road	exit		78:79	902	911	9	1.0%	0.2	Pass Low
212	22	Station Road		access	79:78	216	261	45	20.8%	1.7	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	269	311	42	15.5%	1.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	64	51	-13	-19.7%	1.0	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	1029	811	-218	-21.2%	4.2	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	317	249	-68	-21.5%	2.3	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	169	135	-34	-20.1%	1.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	1835	2279	444	24.2%	5.7	Fail Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	88	47	-41	-46.6%	2.9	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	202	208	6	3.0%	0.2	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	502	494	-8	-1.6%	0.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	1031	800	-231	-22.4%	4.4	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	1169	1032	-137	-11.8%	2.4	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	330	332	2	0.7%	0.1	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	818	688	-130	-15.9%	2.7	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	686	706	20	2.9%	0.4	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	23	36	13	55.7%	1.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	743	601	-142	-19.2%	3.2	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	191	225	34	17.8%	1.4	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	28	4	-24	-87.1%	3.5	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	28	18	-10	-37.1%	1.3	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	26	10	-16	-61.5%	2.2	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	23	14	-9	-40.9%	1.3	Pass Low
234	junction	Euston Rd / Wellesley Rd	11		574:532:339	90	109	19	21.1%	1.1	Pass Low
235	junction	Euston Rd / Wellesley Rd	12		574:532:782	20	16	-4	-22.0%	0.6	Pass Low
236	junction	Euston Rd / Wellesley Rd	13		574:532:577	7	21	14	200.0%	2.2	Pass Low
237	junction	Euston Rd / Wellesley Rd	14		577:532:574	47	47	0	-0.4%	0.0	Pass Low
238	junction	Euston Rd / Wellesley Rd	15		577:532:339	330	208	-122	-37.0%	4.3	Pass Low
239	junction	Euston Rd / Wellesley Rd	16		577:532:782	4	7	3	70.0%	0.7	Pass Low
240	junction	Euston Rd / Wellesley Rd	17		782:532:577	4	9	5	125.0%	1.1	Pass Low
241	junction	Euston Rd / Wellesley Rd	18		782:532:574	12	4	-8	-68.3%	1.7	Pass Low
242	junction	Euston Rd / Wellesley Rd	19		782:532:339	27	35	8	30.4%	0.8	Pass Low
243	junction	Euston Rd / Wellesley Rd	20		339:532:782	37	55	18	47.6%	1.5	Pass Low
244	junction	Euston Rd / Wellesley Rd	21		339:532:577	361	391	30	8.3%	0.9	Pass Low
245	junction	Euston Rd / Wellesley Rd	22		339:532:574	61	36	-25	-41.0%	2.1	Pass Low
246	junction	St Nick Rd / Sainsbury Access	35		1259:360:357	211	233	22	10.3%	0.8	Pass Low
247	junction	St Nick Rd / Sainsbury Access	36		1259:360:359	324	313	-11	-3.3%	0.3	Pass Low
248	junction	St Nick Rd / Sainsbury Access	37		359:360:1259	214	203	-11	-5.1%	0.4	Pass Low
249	junction	St Nick Rd / Sainsbury Access	38		359:360:357	696	566	-130	-18.6%	3.0	Pass Low
250	junction	St Nick Rd / Sainsbury Access	39		357:360:359	556	496	-60	-10.9%	1.5	Pass Low
251	junction	St Nick Rd / Sainsbury Access	40		357:360:1259	250	240	-10	-4.1%	0.4	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	89	118	29	32.1%	1.6	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	625	790	165	26.4%	3.6	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	86	35	-51	-58.8%	3.7	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	142	196	54	38.0%	2.4	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	27	8	-19	-71.9%	2.7	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	81	1	-80	-98.8%	7.2	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	71	45	-26	-36.3%	2.0	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	1	5	4	360.0%	1.2	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	605	683	78	12.9%	1.8	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	283	265	-18	-6.4%	0.6	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	5	191	186	3712.0%	10.8	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	105	231	126	119.6%	5.6	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	509	447	-62	-12.3%	1.6	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	4	5	1	35.0%	0.4	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	132	163	31	23.5%	1.5	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	25	59	34	135.2%	3.0	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	1	0	-1	-60.0%	0.4	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	268	310	42	15.8%	1.4	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	93	104	11	11.8%	0.6	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	11	0	-11	-98.2%	2.6	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	409	446	37	9.1%	1.0	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	86	52	-34	-40.0%	2.4	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	6	1	-5	-76.7%	1.4	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	282	264	-18	-6.3%	0.6	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	25	15	-10	-38.4%	1.2	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	397	447	50	12.6%	1.4	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	62	40	-22	-36.1%	1.8	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	205	225	20	9.8%	0.8	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	352	403	51	14.4%	1.5	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	19	23	4	22.1%	0.5	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	31	25	-6	-18.7%	0.6	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	123	142	19	15.3%	0.9	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	6	6	0	3.3%	0.0	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	189	86	-103	-54.7%	5.1	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	540	484	-56	-10.3%	1.4	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	4	4	0	-5.0%	0.1	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	30	26	-4	-12.0%	0.4	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	153	163	10	6.8%	0.5	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	4	4		1.5	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	52	59	7	12.7%	0.5	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	573	504	-69	-12.1%	1.7	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	23	39	16	69.6%	1.7	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	76	54	-22	-29.2%	1.6	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	181	175	-6	-3.2%	0.3	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	4	15	11	270.0%	2.0	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	170	217	47	27.5%	1.9	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	2	1	-1	-30.0%	0.3	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	767	721	-46	-6.0%	1.0	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	8	9	1	15.0%	0.2	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	13	13	0	3.1%	0.1	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	2	0	-2	-80.0%	0.8	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	2	0	-2	-80.0%	0.8	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	42	114	72	170.5%	4.7	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	246	238	-8	-3.2%	0.3	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	16	9	-7	-43.8%	1.1	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	142	310	168	118.6%	6.5	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	31	293	262	845.8%	11.9	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	114	93	-21	-18.4%	1.2	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	473	315	-158	-33.3%	4.6	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	96	37	-59	-61.3%	4.2	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	41	24	-17	-41.0%	1.7	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	322	338	16	5.0%	0.5	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	793	865	72	9.1%	1.4	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	1277	1373	96	7.5%	1.5	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	396	644	248	62.6%	6.3	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	564	501	-63	-11.2%	1.6	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	86	50	-36	-42.3%	2.6	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	41	81	40	97.1%	2.9	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	878	919	41	4.7%	0.8	Pass Low
325	unction	ccles Road/Malthouse Lane/Alpha Rd	115		885:901:913	1654	2015	361	21.8%	4.9	Fail Low
326	unction	ccles Road/Malthouse Lane/Alpha Rd	116		885:901:927	453	92	-361	-79.6%	12.6	Fail Low
327	unction	ccles Road/Malthouse Lane/Alpha Rd	117		927:913:914	24	8	-16	-66.7%	2.3	Pass Low
328	unction	ccles Road/Malthouse Lane/Alpha Rd	118		911:912:887	1420	1298	-122	-8.6%	1.9	Pass Low
329	unction	ccles Road/Malthouse Lane/Alpha Rd	119		911:912:972	26	119	93	359.2%	6.3	Pass Low
330	unction	ccles Road/Malthouse Lane/Alpha Rd	120		972:912:887	97	105	8	8.0%	0.4	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	1009	841	-168	-16.7%	3.2	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	997	1184	187	18.7%	3.3	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	773	857	84	10.9%	1.7	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	3	81	78	2606.7%	7.0	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	2282	2582	300	13.1%	3.5	Pass Mid
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	3	3		1.4	Pass Low





Vehicle Flow Information  
Calibration Statistics  
All Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	13	14	1	9.2%	0.2	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	2	16	14	700.0%	2.7	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	1628	1447	-181	-11.1%	2.7	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	10	85	75	750.0%	6.3	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	13	37	24	187.7%	2.8	Pass Low



Vehicle Flow Information  
Validation Statistics  
All Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	120	129	9	7.2%	0.4	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	586	496	-90	-15.3%	2.2	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	399	396	-3	-0.9%	0.1	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	261	385	124	47.5%	4.0	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	223	91	-132	-59.2%	6.1	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	914	1125	211	23.1%	3.8	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	40	0	-40	-100.0%	5.2	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	106	104	-2	-1.9%	0.1	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	3548	3635	87	2.5%	0.8	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	3621	4240	619	17.1%	5.7	Fail Mid
169	2	Haven Bridge	NE	SW	872:50	2562	3051	489	19.1%	5.3	Fail Mid
170	2	Haven Bridge	SW	NE	50:87z	2720	2811	91	3.3%	1.0	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	1615	2064	449	27.8%	6.0	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	2560	2655	95	3.7%	1.1	Pass Mid
175	5	North Denes Rd	S	N	1270:559	1350	556	-794	-58.8%	14.9	Fail Low
176	5	North Denes Rd	N	S	559:1270	449	291	-158	-35.2%	4.7	Pass Low
177	6	North Drive	S	N	1262:557	877	1124	247	28.2%	4.5	Pass Low
178	6	North Drive	N	S	557:1262	615	524	-91	-14.9%	2.2	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	944	976	32	3.4%	0.6	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	2457	2249	-208	-8.5%	2.5	Pass Mid
185	10	A47/Beccles Rd	S	N	837:817z	3784	4067	283	7.5%	2.6	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	4446	4692	246	5.5%	2.1	Pass Mid
187	11	South Denes Rd	S	N	681:678	554	543	-11	-2.0%	0.3	Pass Low
188	11	South Denes Rd	N	S	678:681	213	190	-23	-10.9%	0.9	Pass Low
189	12	South Beach Parade	S	N	674:672	238	375	137	57.4%	4.5	Pass Low
190	12	South Beach Parade	N	S	672:674	92	191	99	107.2%	4.8	Pass Low
195	17	Southtown Rd	S	N	419:420	1048	1097	49	4.7%	0.9	Pass Low
196	17	Southtown Rd	N	S	420:419	1116	807	-309	-27.7%	5.7	Fail Low
197	18	B1141 Priory Plain	SE	NW	165:111	683	618	-65	-9.5%	1.5	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	1407	1429	22	1.6%	0.3	Pass Low
199	19	Euston Rd	E	W	532:339	387	352	-35	-9.0%	1.1	Pass Low
200	19	Euston Rd	W	E	339:532	390	482	92	23.5%	2.5	Pass Low
201	20	Acle New Rd	SE	NW	12:1	2960	3492	532	18.0%	5.4	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	2840	2885	45	1.6%	0.5	Pass Mid



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	69	130	61	89.0%	3.6	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	367	332	-35	-9.5%	1.1	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	1742	1650	-92	-5.3%	1.3	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	75	15	-60	-79.5%	5.1	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	15	19	4	28.0%	0.6	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	114	122	8	7.2%	0.4	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	531	618	87	16.5%	2.1	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	1001	1060	59	5.9%	1.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	371	483	112	30.2%	3.1	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	1	1	0	-40.0%	0.3	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	589	649	60	10.2%	1.4	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	1639	1414	-225	-13.7%	3.3	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	651	726	75	11.5%	1.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	278	284	6	2.1%	0.2	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	12	13	1	5.0%	0.1	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	19	19	0	0.0%	0.0	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	650	671	21	3.3%	0.5	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	1422	1345	-77	-5.4%	1.2	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	39	38	-1	-1.5%	0.1	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	64	59	-5	-8.1%	0.4	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	133	126	-7	-5.1%	0.3	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	796	768	-28	-3.6%	0.6	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	58	57	-1	-1.4%	0.1	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	356	367	11	3.1%	0.3	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	2027	2031	4	0.2%	0.1	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	1380	1367	-13	-0.9%	0.2	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	47	44	-3	-6.0%	0.2	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	1755	1651	-104	-5.9%	1.5	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	546	423	-123	-22.6%	3.2	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	2184	2066	-118	-5.4%	1.5	Pass Mid
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	885	973	88	9.9%	1.7	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	331	300	-31	-9.2%	1.0	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	1582	1723	141	8.9%	2.0	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	960	1112	152	15.8%	2.7	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	1962	1689	-273	-13.9%	3.7	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	1056	788	-268	-25.4%	5.1	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	231	297	66	28.7%	2.4	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	876	1099	223	25.4%	4.1	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	641	606	-35	-5.5%	0.8	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	250	277	27	10.8%	1.0	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	855	794	-61	-7.1%	1.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	3075	3126	51	1.6%	0.5	Pass Mid
52	4	Harfreys Roundabout	A	D	821:811y:900:809	72	132	60	83.3%	3.4	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	469	312	-157	-33.5%	4.6	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	35	6	-29	-82.3%	3.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	245	242	-3	-1.2%	0.1	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	80	157	77	96.0%	4.1	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	2556	2247	-309	-12.1%	3.6	Pass Mid
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	557	746	189	34.0%	4.3	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	138	333	195	141.2%	7.3	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	207	228	21	10.2%	0.8	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	323	236	-87	-27.1%	3.0	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	528	538	10	1.9%	0.2	Pass Low
65	5	Hall Quay	A	B	37z:44:52	845	868	23	2.7%	0.5	Pass Low
66	5	Hall Quay	B	A	52:44:37z	640	631	-9	-1.4%	0.2	Pass Low
67	5	Hall Quay	B	C	52:97z:51	2609	2728	119	4.5%	1.3	Pass Mid
68	5	Hall Quay	C	A	51:37z:36y	1438	1298	-140	-9.7%	2.2	Pass Low
69	5	Hall Quay	C	B	51:44:52	1325	1111	-214	-16.2%	3.5	Pass Low
70	6	Station Access	A	B	114:4:92z	2554	2490	-64	-2.5%	0.7	Pass Mid
71	6	Station Access	A	C	114:4:91	249	249	0	0.2%	0.0	Pass Low
72	6	Station Access	B	A	92z:4:114	2457	2502	45	1.8%	0.5	Pass Mid
73	6	Station Access	B	C	92z:4:91	438	423	-15	-3.4%	0.4	Pass Low
74	6	Station Access	C	A	91:4:114	782	736	-46	-5.9%	1.0	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	37	18	-19	-50.8%	2.1	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	729	672	-57	-7.8%	1.2	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	469	418	-51	-10.9%	1.4	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	141	137	-4	-2.8%	0.2	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	59	30	-29	-49.2%	2.5	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	13	23	10	78.5%	1.4	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	25	28	3	10.4%	0.3	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	22	46	24	110.9%	2.4	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	11	28	17	154.5%	2.2	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	2	0	-2	-80.0%	0.8	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	625	388	-237	-37.9%	6.1	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	93	207	114	122.8%	5.4	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	354	353	-1	-0.3%	0.0	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	115	74	-41	-35.5%	2.4	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	240	223	-17	-7.0%	0.6	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	195	230	35	17.9%	1.4	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	1	0	-1	-80.0%	0.6	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	49	96	47	96.3%	3.2	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	62	32	-30	-48.1%	2.5	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	119	181	62	52.4%	2.9	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	401	356	-45	-11.1%	1.3	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	31	75	44	141.3%	3.5	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	24	8	-16	-66.7%	2.3	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	17	17	0	0.0%	0.0	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	82	14	-68	-82.4%	5.6	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	61	67	6	9.5%	0.4	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	29	14	-15	-51.0%	1.8	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	1107	1040	-67	-6.1%	1.2	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	284	294	10	3.6%	0.3	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	758	777	19	2.6%	0.4	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	542	425	-117	-21.5%	3.1	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	187	196	9	4.6%	0.4	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	747	838	91	12.2%	1.9	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	148	186	38	25.4%	1.7	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	77	49	-28	-36.6%	2.1	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	113	146	33	29.2%	1.7	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	224	143	-81	-36.1%	3.4	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	704	694	-10	-1.4%	0.2	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	1705	1882	177	10.4%	2.4	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	124	115	-9	-7.1%	0.5	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	1345	1287	-58	-4.3%	0.9	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	347	376	29	8.2%	0.9	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	59	148	89	150.8%	5.1	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	1200	944	-256	-21.4%	4.5	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	202	195	-7	-3.6%	0.3	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	425	478	53	12.6%	1.5	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	342	622	280	81.9%	7.4	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	750	730	-20	-2.6%	0.4	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	15	23	8	53.3%	1.1	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	285	288	3	0.9%	0.1	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	148	162	14	9.3%	0.6	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	25	32	7	29.6%	0.8	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	20	27	7	37.0%	0.9	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	319	266	-53	-16.5%	1.8	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	453	324	-129	-28.5%	3.8	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	19	53	34	178.9%	3.3	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	248	271	23	9.3%	0.8	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	162	158	-4	-2.2%	0.2	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	318	348	30	9.3%	0.9	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	135	149	14	10.5%	0.7	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.4	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	539	496	-43	-7.9%	1.1	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	833	804	-29	-3.4%	0.6	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	156	122	-34	-21.8%	1.7	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	1511	1504	-7	-0.5%	0.1	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	1555	1648	93	6.0%	1.3	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	159	138	-21	-13.1%	1.0	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	1509	1754	245	16.2%	3.5	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	137	34	-103	-75.3%	6.4	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	100	69	-31	-30.8%	1.9	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	185	16	-169	-91.1%	9.7	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	147	34	-113	-76.9%	6.9	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	302	259	-43	-14.4%	1.5	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	786	635	-151	-19.2%	3.3	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	399	454	55	13.8%	1.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	751	716	-35	-4.6%	0.7	Pass Low
174	4	Northgate Street	N	S	543:1365	713	659	-54	-7.6%	1.2	Pass Low
181	8	Burgh Rd	W	E	1057:1051	602	598	-4	-0.6%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	583	568	-15	-2.6%	0.4	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	954	916	-38	-4.0%	0.7	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	1218	1243	25	2.1%	0.4	Pass Low
193	14	Caister Road	S	N	369:536	2203	2239	36	1.6%	0.4	Pass Mid
194	14	Caister Road	N	S	536:369	1603	1660	57	3.6%	0.8	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	1341	1796	455	33.9%	6.6	Fail Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	675	584	-91	-13.5%	2.1	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	1089	1363	274	25.1%	4.5	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	232	221	-11	-4.8%	0.4	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	645	622	-23	-3.6%	0.5	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	276	272	-4	-1.5%	0.1	Pass Low
209	21	Matalan Access	exit		85:82	123	122	-1	-0.8%	0.1	Pass Low
210	21	Matalan Access		access	82:85	112	121	9	7.9%	0.5	Pass Low
211	22	Station Road	exit		78:79	843	813	-30	-3.5%	0.6	Pass Low
212	22	Station Road		access	79:78	205	233	28	13.5%	1.1	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	248	289	41	16.5%	1.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	56	42	-14	-25.7%	1.2	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	942	748	-194	-20.6%	3.9	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	297	246	-51	-17.3%	1.8	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	147	125	-22	-14.7%	1.1	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	1601	1952	351	21.9%	4.8	Fail Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	82	40	-42	-51.0%	3.1	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	183	191	8	4.5%	0.3	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	446	439	-7	-1.7%	0.2	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	934	745	-189	-20.2%	3.8	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	1048	782	-266	-25.4%	5.1	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	290	287	-3	-0.9%	0.1	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	740	591	-149	-20.2%	3.3	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	584	575	-9	-1.6%	0.2	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	20	27	7	33.0%	0.8	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	669	533	-136	-20.3%	3.2	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	172	205	33	19.1%	1.4	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	21	3	-18	-84.8%	3.0	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	27	14	-13	-46.7%	1.6	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	23	10	-13	-58.3%	1.9	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	22	12	-10	-45.5%	1.4	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	79	96	17	21.8%	1.1	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	17	14	-3	-18.8%	0.5	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	7	19	12	171.4%	1.9	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	39	45	6	15.9%	0.6	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	292	197	-95	-32.4%	3.5	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	4	6	2	55.0%	0.6	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	3	8	5	166.7%	1.2	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	11	3	-8	-70.9%	1.7	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	22	33	11	48.2%	1.2	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	34	45	11	33.5%	1.0	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	329	347	18	5.4%	0.6	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	57	31	-26	-44.9%	2.2	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	189	209	20	10.7%	0.8	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	303	291	-12	-3.8%	0.4	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	196	187	-9	-4.4%	0.4	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	614	505	-109	-17.8%	2.7	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	492	417	-75	-15.3%	2.0	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	232	221	-11	-4.7%	0.4	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	78	89	11	14.6%	0.7	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	539	681	142	26.3%	3.3	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	73	21	-52	-71.8%	4.4	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	132	174	42	32.1%	2.0	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	24	7	-17	-69.2%	2.4	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	63	1	-62	-98.7%	6.4	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	63	41	-22	-34.9%	1.7	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	1	3	2	180.0%	0.8	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	566	629	63	11.1%	1.5	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	262	233	-29	-11.0%	1.1	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	3	179	176	5853.3%	10.6	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	99	211	112	113.3%	5.2	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	475	413	-62	-13.0%	1.7	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	2	4	2	100.0%	0.7	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	119	151	32	26.6%	1.6	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	24	48	24	101.7%	2.3	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	1	0	-1	-60.0%	0.4	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	251	284	33	13.2%	1.2	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	85	96	11	13.4%	0.7	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	10	0	-10	-98.0%	2.5	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	376	406	30	7.9%	0.9	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	82	48	-34	-41.0%	2.4	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	3	1	-2	-60.0%	0.7	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	263	233	-30	-11.6%	1.1	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	16	13	-3	-18.8%	0.5	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	363	406	43	12.0%	1.3	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	55	36	-19	-33.8%	1.6	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	189	197	8	4.0%	0.3	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	295	332	37	12.5%	1.2	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	16	19	3	16.3%	0.4	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	19	20	1	5.3%	0.1	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	86	101	15	17.0%	0.9	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	3	4	1	46.7%	0.4	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	169	77	-92	-54.6%	4.8	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	461	405	-56	-12.2%	1.6	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	4	4	0	-5.0%	0.1	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	27	20	-7	-25.9%	0.8	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	104	118	14	13.7%	0.8	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	2	2		1.3	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	44	50	6	12.7%	0.5	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	491	422	-69	-14.1%	1.9	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	20	33	13	63.0%	1.4	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	60	42	-18	-30.0%	1.5	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	133	128	-5	-3.5%	0.2	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	0	10	10		2.6	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	153	196	43	28.0%	1.9	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	1	1	0	0.0%	0.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	666	617	-49	-7.4%	1.1	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	7	8	1	17.1%	0.3	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	8	10	2	30.0%	0.5	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	1	0	-1	-60.0%	0.4	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	2	0	-2	-80.0%	0.8	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	27	98	71	264.4%	5.2	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	186	177	-9	-4.6%	0.4	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	11	8	-3	-23.6%	0.5	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	125	273	148	118.7%	6.1	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	26	253	227	874.6%	11.1	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	101	79	-22	-22.0%	1.4	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	414	259	-155	-37.4%	4.9	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	85	33	-52	-61.4%	3.9	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	38	22	-16	-42.1%	1.7	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	289	291	2	0.8%	0.1	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	662	700	38	5.7%	0.8	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	1131	1234	103	9.1%	1.7	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	348	564	216	62.0%	5.8	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	506	446	-60	-11.9%	1.6	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	75	43	-32	-42.9%	2.4	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	37	65	28	76.2%	2.3	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	790	784	-6	-0.8%	0.1	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	1442	1795	353	24.5%	5.1	Fail Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	393	82	-311	-79.2%	11.7	Fail Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	22	7	-15	-66.4%	2.2	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	1267	1119	-148	-11.7%	2.5	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	24	108	84	351.7%	6.0	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	91	85	-6	-6.2%	0.3	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:812	881	718	-163	-18.5%	3.3	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	828	1034	206	24.9%	3.9	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	678	746	68	10.1%	1.5	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	2	76	74	3720.0%	6.9	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	2014	2249	235	11.7%	2.9	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	3	3		1.3	Pass Low



Vehicle Flow Information  
Calibration Statistics  
Car Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	9	13	4	42.2%	0.7	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	1	14	13	1340.0%	2.8	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	1472	1166	-306	-20.8%	4.9	Fail Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	7	80	73	1037.1%	6.4	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	10	35	25	250.0%	3.0	Pass Low



Vehicle Flow Information  
Validation Statistics  
Car Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	110	104	-6	-5.3%	0.3	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	516	442	-74	-14.3%	1.9	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	373	369	-4	-1.1%	0.1	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	220	333	113	51.4%	3.9	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	183	77	-106	-58.1%	5.4	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	821	996	175	21.3%	3.3	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	38	0	-38	-100.0%	5.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	96	95	-1	-1.5%	0.1	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	2898	3068	170	5.9%	1.8	Pass Mid
168	1	A47 - Breydon Bridge	NE	SW	202:203	2983	3493	510	17.1%	5.2	Fail Mid
169	2	Haven Bridge	NE	SW	872:50	2074	2724	650	31.4%	7.7	Fail Low
170	2	Haven Bridge	SW	NE	50:872	2256	2416	160	7.1%	1.9	Pass Mid
171	3	Lawn Avenue	NE	SW	370:368	1363	1730	367	26.9%	5.4	Fail Low
172	3	Lawn Avenue	SW	NE	368:370	2122	2310	188	8.9%	2.3	Pass Mid
175	5	North Denes Rd	S	N	1270:559	1180	515	-665	-56.4%	13.2	Fail Low
176	5	North Denes Rd	N	S	559:1270	394	252	-142	-36.1%	4.6	Pass Low
177	6	North Drive	S	N	1262:557	767	1026	259	33.8%	5.0	Pass Low
178	6	North Drive	N	S	557:1262	527	449	-78	-14.8%	2.0	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	810	840	30	3.7%	0.6	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	2078	1952	-126	-6.1%	1.6	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	3099	3334	235	7.6%	2.4	Pass Mid
186	10	A47/Beccles Rd	N	S	822:825	3620	3898	278	7.7%	2.6	Pass Mid
187	11	South Denes Rd	S	N	681:678	412	454	42	10.2%	1.2	Pass Low
188	11	South Denes Rd	N	S	678:681	167	138	-29	-17.2%	1.3	Pass Low
189	12	South Beach Parade	S	N	674:672	204	339	135	66.2%	4.7	Pass Low
190	12	South Beach Parade	N	S	672:674	78	167	89	114.6%	4.7	Pass Low
195	17	Southtown Rd	S	N	419:420	870	962	92	10.6%	1.8	Pass Low
196	17	Southtown Rd	N	S	420:419	910	727	-183	-20.2%	3.7	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	592	548	-44	-7.5%	1.1	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	1150	1192	42	3.7%	0.7	Pass Low
199	19	Euston Rd	E	W	532:339	331	326	-5	-1.5%	0.2	Pass Low
200	19	Euston Rd	W	E	339:532	334	424	90	26.8%	2.7	Pass Low
201	20	Acle New Rd	SE	NW	12:1	2455	2927	472	19.2%	5.3	Fail Mid
202	20	Acle New Rd	NW	SE	1:12	2328	2437	109	4.7%	1.3	Pass Mid





Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	3	6	3	100.0%	0.8	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	6	9	3	50.0%	0.6	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	35	64	29	81.7%	2.4	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	1	1	0	0.0%	0.0	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	0	2	2		1.0	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	2	0	-2	-100.0%	1.2	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	14	4	-10	-68.6%	1.8	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	27	26	-1	-4.4%	0.1	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	79	8	-71	-89.9%	6.2	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	0	0	0		0.0	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	29	21	-8	-28.3%	0.9	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	26	31	5	17.7%	0.5	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	29	44	15	51.0%	1.4	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	26	22	-4	-13.8%	0.4	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	0	0	0		0.0	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	2	3	1	30.0%	0.2	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	55	34	-21	-38.2%	1.8	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	53	76	23	43.8%	1.7	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	3	5	2	53.3%	0.5	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	2	2	0	0.0%	0.0	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	2	1	-1	-50.0%	0.5	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	43	24	-19	-43.3%	1.8	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	4	3	-1	-35.0%	0.4	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	3	4	1	20.0%	0.2	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	37	61	24	65.4%	2.0	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	66	76	10	15.8%	0.7	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	4	3	-1	-20.0%	0.2	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	25	60	35	141.6%	3.1	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	20	14	-6	-32.0%	0.9	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	75	99	24	31.5%	1.5	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	15	25	10	66.7%	1.3	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	3	1	-2	-73.3%	0.9	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	27	32	5	20.0%	0.6	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	25	9	-16	-63.2%	2.2	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	76	121	45	58.9%	2.6	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	32	84	52	161.3%	3.9	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	1	8	7	700.0%	1.9	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	25	19	-6	-22.4%	0.7	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	13	24	11	86.2%	1.5	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	1	35	34	3420.0%	4.6	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	19	20	1	7.4%	0.2	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	59	136	77	131.2%	4.5	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	26	9	-17	-66.2%	2.4	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	19	26	7	34.7%	0.8	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	0	0	0		0.0	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	3	3	0	-13.3%	0.1	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	9	4	-5	-60.0%	1.2	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	69	147	78	112.5%	4.3	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	11	1	-10	-87.3%	2.2	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	37	42	5	13.0%	0.4	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	24	42	18	73.3%	1.8	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	11	2	-9	-81.8%	2.0	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	10	15	5	54.0%	0.9	Pass Low
65	5	Hall Quay	A	B	37z:44:52	31	24	-7	-21.9%	0.7	Pass Low
66	5	Hall Quay	B	A	52:44:37z	55	20	-35	-63.6%	3.3	Pass Low
67	5	Hall Quay	B	C	52:97z:51	109	53	-56	-51.0%	3.6	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	78	51	-27	-34.6%	1.9	Pass Low
69	5	Hall Quay	C	B	51:44:52	43	77	34	79.1%	2.5	Pass Low
70	6	Station Access	A	B	114:4:92z	81	97	16	19.5%	1.0	Pass Low
71	6	Station Access	A	C	114:4:91	2	3	1	50.0%	0.4	Pass Low
72	6	Station Access	B	A	92z:4:114	81	89	8	9.6%	0.5	Pass Low
73	6	Station Access	B	C	92z:4:91	0	0	0		0.0	Pass Low
74	6	Station Access	C	A	91:4:114	4	4	0	-10.0%	0.1	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	1	1	0	-40.0%	0.3	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	56	5	-51	-91.1%	5.3	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	6	1	-5	-86.7%	1.6	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	7	18	11	151.4%	1.7	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	5	0	-5	-92.0%	1.6	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	1	1		0.9	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	0	0	0		0.0	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	0	2	2		1.0	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	0	0		0.0	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	64	16	-48	-75.0%	4.4	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	2	2	0	10.0%	0.1	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	3	0	-3	-100.0%	1.4	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	3	1	-2	-80.0%	1.0	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	5	1	-4	-80.0%	1.3	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	1	0	-1	-60.0%	0.4	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	2	5	3	130.0%	0.8	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	0	0	0		0.0	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	3	19	16	533.3%	2.8	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	3	3	0	0.0%	0.0	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	2	3	1	40.0%	0.3	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	1	2	1	80.0%	0.4	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	0	0	0		0.0	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	1	0	-1	-100.0%	0.8	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	1	2	1	80.0%	0.4	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	1	0	-1	-80.0%	0.6	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	64	15	-49	-76.3%	4.5	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	13	4	-9	-72.3%	1.9	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	64	17	-47	-74.1%	4.3	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	18	28	10	56.7%	1.2	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	13	3	-10	-73.8%	1.9	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	26	18	-8	-30.0%	1.0	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	5	0	-5	-100.0%	1.8	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	0	0	0		0.0	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	1	1	0	40.0%	0.2	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	2	0	-2	-100.0%	1.2	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	58	18	-40	-69.7%	3.8	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	45	35	-10	-21.3%	0.9	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	3	0	-3	-100.0%	1.4	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	77	26	-51	-66.0%	4.1	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	7	7	0	-5.7%	0.1	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	1	5	4	400.0%	1.3	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	37	102	65	175.1%	4.5	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	8	5	-3	-42.5%	0.8	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	28	9	-19	-68.6%	2.6	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	34	7	-27	-80.6%	3.5	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	77	53	-24	-31.4%	1.7	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	1	0	-1	-100.0%	0.8	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	2	0	-2	-100.0%	1.2	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	4	4	0	-10.0%	0.1	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	3	0	-3	-100.0%	1.4	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	0	0	0		0.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	3	3	0	-13.3%	0.1	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	7	0	-7	-100.0%	2.2	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	0	0	0		0.4	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	18	2	-16	-91.1%	3.0	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	10	3	-7	-68.0%	1.5	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	2	13	11	530.0%	2.3	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	3	8	5	180.0%	1.3	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	13	10	-3	-24.6%	0.5	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	10	6	-4	-42.0%	0.9	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	3	3	0	13.3%	0.1	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	73	101	28	38.4%	1.7	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	12	13	1	5.0%	0.1	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	5	1	-4	-72.0%	1.2	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	55	61	6	10.2%	0.4	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	3	0	-3	-93.3%	1.3	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	0	0	0		0.0	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	1	0	-1	-100.0%	0.8	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	2	0	-2	-100.0%	1.2	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	3	6	3	93.3%	0.8	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	24	13	-11	-47.5%	1.5	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	7	5	-2	-31.4%	0.5	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	35	74	39	112.6%	3.1	Pass Low
174	4	Northgate Street	N	S	543:1365	33	29	-4	-13.3%	0.5	Pass Low
181	8	Burgh Rd	W	E	1057:1051	25	26	1	2.4%	0.1	Pass Low
182	8	Burgh Rd	E	W	1051:1057	27	22	-5	-17.8%	0.6	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	58	61	3	4.5%	0.2	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	74	27	-47	-63.5%	3.8	Pass Low
193	14	Caister Road	S	N	369:536	133	123	-10	-7.8%	0.5	Pass Low
194	14	Caister Road	N	S	536:369	97	100	3	3.3%	0.2	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	26	40	14	54.6%	1.4	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:558z	2	2	0	0.0%	0.0	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	26	77	51	195.4%	4.1	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:558z	1	0	-1	-100.0%	0.8	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	2	2	0	0.0%	0.0	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	0	0	0	0.0%	0.0	Pass Low
209	21	Matalan Access	exit		85:82	5	6	1	20.0%	0.2	Pass Low
210	21	Matalan Access		access	82:85	3	3	0	0.0%	0.0	Pass Low
211	22	Station Road	exit		78:79	6	7	1	20.0%	0.3	Pass Low
212	22	Station Road		access	79:78	1	2	1	140.0%	0.6	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	7	5	-2	-25.7%	0.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	1	6	5	500.0%	1.5	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	15	0	-15	-97.3%	3.0	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	3	0	-3	-100.0%	1.4	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	0	1	1		0.6	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	32	42	10	30.0%	0.9	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	0	4	4		1.6	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	1	2	1	60.0%	0.3	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	5	0	-5	-92.0%	1.6	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	31	9	-22	-71.0%	2.8	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	26	107	81	311.5%	5.7	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	4	5	1	35.0%	0.4	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	17	34	17	101.2%	2.0	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	41	24	-17	-41.5%	1.7	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	0	0	0		0.5	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	14	12	-2	-11.4%	0.3	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	4	2	-2	-60.0%	0.8	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	3	0	-3	-100.0%	1.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	0	0	0		0.0	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	0	0	0		0.0	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	0	0	0		0.0	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	1	0	-1	-80.0%	0.6	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	0	0	0		0.0	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	0	0		0.0	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	0	0	0		0.0	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	7	2	-5	-74.3%	1.4	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	0	0		0.0	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	0	0	0		0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	0	0	0		0.0	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	0	1	1		0.6	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	0	4	4		1.6	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	5	9	4	80.0%	0.9	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	0	0	0		0.0	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	1	3	2	200.0%	0.8	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	1	0	-1	-100.0%	0.8	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	1	3	2	180.0%	0.8	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	16	10	-6	-36.3%	0.9	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	5	34	29	584.0%	3.8	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	1	0	-1	-100.0%	0.8	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	2	2	0	-20.0%	0.2	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	35	17	-18	-50.9%	2.0	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	5	7	2	32.0%	0.4	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	3	1	-2	-60.0%	0.7	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	1	0	-1	-100.0%	0.8	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	6	0	-6	-100.0%	2.0	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	2	0	-2	-100.0%	1.2	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	0	0		0.0	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	2	5	3	150.0%	0.9	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	0	15	15		3.1	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	0	0	0		0.0	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	0	5	5		1.8	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	2	0	-2	-100.0%	1.2	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	0	0	0		0.0	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	0	0	0		0.0	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	0	5	5		1.9	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	0	9	9		2.5	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	0	0	0		0.0	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	0	0	0		0.0	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	2	5	3	150.0%	0.9	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	0	0	0		0.0	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	0	0	0		0.0	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	0	15	15		3.1	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	4	1	-3	-70.0%	1.0	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	2	5	3	150.0%	0.9	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	0	0	0		0.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	0	15	15		3.1	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	20	19	-1	-5.0%	0.1	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	1	0	-1	-100.0%	0.8	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	9	1	-8	-88.9%	2.1	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	19	19	0	1.1%	0.0	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	1	0	-1	-100.0%	0.8	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	2	1	-1	-30.0%	0.3	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	22	20	-2	-7.3%	0.2	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	0	1	1		1.0	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	28	20	-8	-27.9%	0.9	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	0	0		0.0	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	0	2	2		1.3	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	21	23	2	8.6%	0.2	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	1	0	-1	-100.0%	0.8	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	1	2	1	100.0%	0.5	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	26	19	-7	-25.4%	0.8	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	2	2	0	10.0%	0.1	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	0	3	3		1.5	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	0	0	0		0.0	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	21	26	5	23.8%	0.6	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	0	0	0		0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	0	1	1		0.6	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	0	0	0		0.0	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	1	4	3	260.0%	1.0	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	21	23	2	11.4%	0.3	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	4	1	-3	-85.0%	1.3	Pass Low
309	unction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	4	5	1	25.0%	0.3	Pass Low
310	unction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	1	7	6	560.0%	1.7	Pass Low
313	unction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	1	0	-1	-100.0%	0.8	Pass Low
314	unction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	5	3	-2	-44.0%	0.6	Pass Low
315	unction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	0	0	0		0.0	Pass Low
316	unction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	0	0	0		0.0	Pass Low
317	unction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	2	1	-1	-50.0%	0.5	Pass Low
318	unction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	33	59	26	80.0%	2.2	Pass Low
319	unction	Beccles Road/High Road	109		914:909:915	16	24	8	51.3%	1.1	Pass Low
320	unction	Beccles Road/High Road	110		914:909:923	10	7	-3	-26.0%	0.5	Pass Low
321	unction	Beccles Road/High Road	111		923:909:910	17	7	-10	-60.0%	1.7	Pass Low
322	unction	Beccles Road/High Road	112		923:909:915	0	0	0		0.4	Pass Low
323	unction	Beccles Road/High Road	113		908:909:923	0	0	0		0.0	Pass Low
324	unction	Beccles Road/High Road	114		908:909:910	15	38	23	152.0%	2.6	Pass Low
325	unction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	26	32	6	21.5%	0.6	Pass Low
326	unction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	6	2	-4	-70.0%	1.2	Pass Low
327	unction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	0	-1	-100.0%	0.8	Pass Low
328	unction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	34	42	8	24.7%	0.8	Pass Low
329	unction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	0	2	2		1.2	Pass Low
330	unction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	1	2	1	140.0%	0.6	Pass Low
331	unction	William Adams Way/Suffolk Road	122		812:813:811z	30	32	2	6.0%	0.2	Pass Low
332	unction	William Adams Way/Suffolk Road	123		811z:813:812	28	22	-6	-22.9%	0.7	Pass Low
333	unction	William Adams Way/Suffolk Road	124		811z:813:866	9	2	-7	-75.6%	1.7	Pass Low
334	unction	3 Pasteur Road/East Access/West A	143		103:260:258	1	0	-1	-100.0%	0.8	Pass Low
335	unction	3 Pasteur Road/East Access/West A	144		103:260:272	35	42	7	18.9%	0.6	Pass Low
336	unction	3 Pasteur Road/East Access/West A	145		103:260:261	0	0	0		0.0	Pass Low



Vehicle Flow Information  
Calibration Statistics  
HGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	0	0	0		0.0	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	0	0	0		0.0	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	34	112	78	229.4%	5.3	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	0	1	1		1.0	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	2	1	-1	-70.0%	0.7	Pass Low



**Vehicle Flow Information  
Validation Statistics  
HGV Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	2	13	11	570.0%	2.4	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	10	5	-5	-52.0%	1.1	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	1	0	-1	-100.0%	0.8	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	6	2	-4	-63.3%	1.1	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	17	6	-11	-62.4%	1.8	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	12	11	-1	-8.3%	0.2	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	0	0	0		0.0	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	0	1	1		0.8	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	163	140	-23	-14.0%	1.1	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	138	138	0	0.3%	0.0	Pass Low
169	2	Haven Bridge	NE	SW	872:50	155	53	-102	-65.5%	5.7	Pass Low
170	2	Haven Bridge	SW	NE	50:87z	137	128	-9	-6.6%	0.5	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	44	75	31	69.5%	2.3	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	90	55	-35	-39.3%	2.4	Pass Low
175	5	North Denes Rd	S	N	1270:559	43	0	-43	-99.5%	5.3	Pass Low
176	5	North Denes Rd	N	S	559:1270	12	0	-12	-100.0%	2.8	Pass Low
177	6	North Drive	S	N	1262:557	24	0	-24	-99.2%	4.0	Pass Low
178	6	North Drive	N	S	557:1262	23	10	-13	-56.5%	1.8	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	27	29	2	5.9%	0.2	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	69	12	-57	-83.2%	5.2	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	172	190	18	10.6%	0.8	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	182	154	-28	-15.4%	1.2	Pass Low
187	11	South Denes Rd	S	N	681:678	50	23	-27	-54.4%	2.6	Pass Low
188	11	South Denes Rd	N	S	678:681	14	22	8	54.3%	1.0	Pass Low
189	12	South Beach Parade	S	N	674:672	9	9	0	-2.2%	0.0	Pass Low
190	12	South Beach Parade	N	S	672:674	4	11	7	165.0%	1.4	Pass Low
195	17	Southtown Rd	S	N	419:420	70	20	-50	-71.7%	4.3	Pass Low
196	17	Southtown Rd	N	S	420:419	87	17	-70	-80.7%	5.6	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	15	12	-3	-17.3%	0.4	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	114	59	-55	-48.6%	3.4	Pass Low
199	19	Euston Rd	E	W	532:339	9	3	-6	-71.1%	1.5	Pass Low
200	19	Euston Rd	W	E	339:532	10	13	3	28.0%	0.5	Pass Low
201	20	Acle New Rd	SE	NW	12:1	122	89	-33	-27.2%	1.9	Pass Low
202	20	Acle New Rd	NW	SE	1:12	136	97	-39	-28.8%	2.1	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
2	1	Fullers Hill Roundabout	A	B	31:5:21:27	8	18	10	120.0%	1.5	Pass Low
3	1	Fullers Hill Roundabout	A	C	31:5:25:26	47	65	18	38.3%	1.4	Pass Low
4	1	Fullers Hill Roundabout	A	D	31:5:16:12	287	254	-33	-11.6%	1.2	Pass Low
5	1	Fullers Hill Roundabout	B	A	27:23:2:31	11	14	3	29.1%	0.5	Pass Low
6	1	Fullers Hill Roundabout	B	B	27:23:21:27	3	1	-2	-60.0%	0.7	Pass Low
7	1	Fullers Hill Roundabout	B	C	27:23:25:26	10	13	3	34.0%	0.6	Pass Low
8	1	Fullers Hill Roundabout	B	D	27:23:16:12	72	70	-2	-2.2%	0.1	Pass Low
9	1	Fullers Hill Roundabout	C	A	26:19:2:31	134	144	10	7.8%	0.5	Pass Low
10	1	Fullers Hill Roundabout	C	B	26:19:21:27	53	41	-12	-23.0%	1.0	Pass Low
11	1	Fullers Hill Roundabout	C	C	26:19:25:26	1	0	-1	-100.0%	0.8	Pass Low
12	1	Fullers Hill Roundabout	C	D	26:19:16:12	81	137	56	69.1%	3.1	Pass Low
13	1	Fullers Hill Roundabout	D	A	12:3:2:31	192	154	-38	-19.9%	1.7	Pass Low
14	1	Fullers Hill Roundabout	D	B	12:3:21:27	84	112	28	33.6%	1.6	Pass Low
15	1	Fullers Hill Roundabout	D	C	12:3:25:26	56	69	13	23.2%	0.9	Pass Low
16	1	Fullers Hill Roundabout	D	D	12:3:16:12	3	16	13	433.3%	2.4	Pass Low
18	2	Vauxhall Roundabout	A	B	1379:217:211:210	11	12	1	5.5%	0.1	Pass Low
19	2	Vauxhall Roundabout	A	C	1379:217:213:231	112	98	-14	-12.7%	0.8	Pass Low
20	2	Vauxhall Roundabout	A	D	1379:217:1382:567z	247	249	2	0.9%	0.1	Pass Low
21	2	Vauxhall Roundabout	B	A	210:211:214:221	3	3	0	-6.7%	0.1	Pass Low
23	2	Vauxhall Roundabout	B	C	210:211:213:231	7	5	-2	-25.7%	0.4	Pass Low
24	2	Vauxhall Roundabout	B	D	210:211:1382:567z	20	19	-1	-7.0%	0.2	Pass Low
25	2	Vauxhall Roundabout	C	A	567:1433:214:221	134	117	-17	-12.4%	0.9	Pass Low
26	2	Vauxhall Roundabout	C	B	567:1433:211:210	13	9	-4	-33.8%	0.8	Pass Low
27	2	Vauxhall Roundabout	C	C	567:1433:213:231	20	18	-2	-10.0%	0.3	Pass Low
28	2	Vauxhall Roundabout	C	D	567:567z:204	300	342	42	13.9%	1.3	Pass Low
29	2	Vauxhall Roundabout	D	A	204:218:214:221	184	181	-3	-1.5%	0.1	Pass Low
30	2	Vauxhall Roundabout	D	B	204:218:211:210	6	6	0	-3.3%	0.0	Pass Low
31	2	Vauxhall Roundabout	D	C	204:218:213:231	190	239	49	25.8%	1.9	Pass Low
34	3	Gapton Hall Roundabout	A	B	561:302:268:562	62	55	-7	-11.6%	0.5	Pass Low
35	3	Gapton Hall Roundabout	A	C	561:302:290:291	382	364	-18	-4.6%	0.5	Pass Low
36	3	Gapton Hall Roundabout	A	D	561:302:1246:299	137	183	46	33.6%	2.1	Pass Low
37	3	Gapton Hall Roundabout	B	A	289:271:303:305	24	25	1	5.8%	0.2	Pass Low
39	3	Gapton Hall Roundabout	B	C	565:566	169	265	96	56.6%	3.7	Pass Low
40	3	Gapton Hall Roundabout	B	D	289:271:1246:299	116	113	-3	-2.9%	0.2	Pass Low
41	3	Gapton Hall Roundabout	C	A	294:295:303:305	299	286	-13	-4.3%	0.4	Pass Low
42	3	Gapton Hall Roundabout	C	B	294:295:268:562	130	121	-9	-6.9%	0.5	Pass Low
44	3	Gapton Hall Roundabout	C	D	294:295:1246:299	19	33	14	73.7%	1.6	Pass Low
45	3	Gapton Hall Roundabout	D	A	299:301:303:305	92	117	25	27.6%	1.4	Pass Low
46	3	Gapton Hall Roundabout	D	B	299:301:268:562	64	53	-11	-17.8%	0.9	Pass Low
47	3	Gapton Hall Roundabout	D	C	299:301:290:291	27	41	14	50.4%	1.4	Pass Low
50	4	Harfreys Roundabout	A	B	821:811y:898:811z	106	100	-6	-5.5%	0.3	Pass Low
51	4	Harfreys Roundabout	A	C	821:811y:807:815	435	550	115	26.4%	3.0	Pass Low
52	4	Harfreys Roundabout	A	D	821:811y:900:809	33	17	-16	-47.3%	1.8	Pass Low
53	4	Harfreys Roundabout	B	A	811z:821z:810z:820	62	48	-14	-22.6%	1.1	Pass Low
54	4	Harfreys Roundabout	B	B	811z:821z:898:811z	4	2	-2	-50.0%	0.7	Pass Low
55	4	Harfreys Roundabout	B	C	811z:821z:807:815	19	13	-6	-30.5%	0.8	Pass Low
56	4	Harfreys Roundabout	B	D	811z:821z:900:809	20	28	8	40.0%	0.9	Pass Low
57	4	Harfreys Roundabout	C	A	818:808z:810z:820	345	355	10	2.8%	0.3	Pass Low
58	4	Harfreys Roundabout	C	B	818:808z:898:811z	65	102	37	56.6%	2.3	Pass Low
60	4	Harfreys Roundabout	C	D	818:808z:900:809	60	85	25	41.3%	1.7	Pass Low
61	4	Harfreys Roundabout	D	A	809:809z:810z:820	40	40	0	-0.5%	0.0	Pass Low
62	4	Harfreys Roundabout	D	B	809:809z:898:811z	49	33	-16	-33.1%	1.5	Pass Low
63	4	Harfreys Roundabout	D	C	809:809z:807:815	82	79	-3	-3.7%	0.2	Pass Low
65	5	Hall Quay	A	B	37z:44:52	116	124	8	6.7%	0.4	Pass Low
66	5	Hall Quay	B	A	52:44:37z	97	132	35	36.3%	1.9	Pass Low
67	5	Hall Quay	B	C	52:97z:51	335	274	-61	-18.3%	2.0	Pass Low
68	5	Hall Quay	C	A	51:37z:36y	177	148	-29	-16.6%	1.3	Pass Low
69	5	Hall Quay	C	B	51:44:52	158	118	-40	-25.2%	2.0	Pass Low
70	6	Station Access	A	B	114:4:92z	329	348	19	5.8%	0.6	Pass Low
71	6	Station Access	A	C	114:4:91	9	11	2	20.0%	0.3	Pass Low
72	6	Station Access	B	A	92z:4:114	425	457	32	7.5%	0.9	Pass Low
73	6	Station Access	B	C	92z:4:91	20	20	0	-1.0%	0.0	Pass Low
74	6	Station Access	C	A	91:4:114	34	30	-4	-10.6%	0.4	Pass Low
75	7	Beccles Road Roundabout	A	A	921:922:903:904	11	1	-10	-87.3%	2.2	Pass Low
76	7	Beccles Road Roundabout	A	C	921:922:1006:1003	91	63	-28	-30.5%	1.8	Pass Low
77	7	Beccles Road Roundabout	A	D	921:922:999:997	31	30	-1	-4.5%	0.1	Pass Low
78	7	Beccles Road Roundabout	A	E	921:922:959:958	22	27	5	20.9%	0.5	Pass Low
79	7	Beccles Road Roundabout	A	F	921:922:963:961	10	1	-9	-94.0%	2.4	Pass Low
80	7	Beccles Road Roundabout	B	A	993:1247:903:904	0	2	2		1.2	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
81	7	Beccles Road Roundabout	B	C	993:1247:1006:1003	6	6	0	-6.7%	0.1	Pass Low
82	7	Beccles Road Roundabout	B	D	993:1247:999:997	2	4	2	120.0%	0.8	Pass Low
83	7	Beccles Road Roundabout	B	E	993:1247:959:958	0	4	4		1.5	Pass Low
84	7	Beccles Road Roundabout	B	F	993:1247:963:961	0	0	0		0.0	Pass Low
85	7	Beccles Road Roundabout	C	A	1003:1004:903:904	58	34	-24	-41.0%	2.0	Pass Low
87	7	Beccles Road Roundabout	C	D	1003:1004:999:997	12	30	18	148.3%	2.2	Pass Low
88	7	Beccles Road Roundabout	C	E	1003:1004:959:958	33	30	-3	-8.5%	0.3	Pass Low
89	7	Beccles Road Roundabout	C	F	1003:1004:963:961	11	2	-9	-78.2%	1.9	Pass Low
90	7	Beccles Road Roundabout	D	A	997:998:903:904	30	37	7	23.3%	0.7	Pass Low
91	7	Beccles Road Roundabout	D	C	997:998:1006:1003	15	20	5	30.7%	0.6	Pass Low
92	7	Beccles Road Roundabout	D	D	997:998:999:997	0	0	0		0.0	Pass Low
93	7	Beccles Road Roundabout	D	E	997:998:959:958	2	17	15	760.0%	2.8	Pass Low
94	7	Beccles Road Roundabout	D	F	997:998:963:961	9	4	-5	-53.3%	1.1	Pass Low
95	7	Beccles Road Roundabout	E	A	958:960:903:904	13	24	11	83.1%	1.5	Pass Low
96	7	Beccles Road Roundabout	E	C	958:960:1006:1003	32	27	-5	-14.4%	0.5	Pass Low
97	7	Beccles Road Roundabout	E	D	958:960:999:997	7	13	6	88.6%	1.1	Pass Low
99	7	Beccles Road Roundabout	E	F	958:960:963:961	4	1	-3	-75.0%	1.1	Pass Low
100	7	Beccles Road Roundabout	F	A	961:962:903:904	5	15	10	192.0%	1.8	Pass Low
101	7	Beccles Road Roundabout	F	C	961:962:1006:1003	7	1	-6	-85.7%	1.7	Pass Low
102	7	Beccles Road Roundabout	F	D	961:962:999:997	7	3	-4	-54.3%	1.0	Pass Low
103	7	Beccles Road Roundabout	F	E	961:962:959:958	2	1	-1	-50.0%	0.5	Pass Low
105	8	htown Rd/William Adams Way/Beccle	A	B	884:885:901	108	94	-14	-13.3%	0.8	Pass Low
106	8	htown Rd/William Adams Way/Beccle	A	C	884:881:810	34	30	-4	-11.8%	0.4	Pass Low
107	8	htown Rd/William Adams Way/Beccle	B	A	888:881:902	92	91	-1	-0.7%	0.0	Pass Low
108	8	htown Rd/William Adams Way/Beccle	B	C	888:881:810	71	62	-9	-13.0%	0.7	Pass Low
109	8	htown Rd/William Adams Way/Beccle	C	A	810:881:902	31	24	-7	-21.9%	0.7	Pass Low
110	8	htown Rd/William Adams Way/Beccle	C	B	810:881:885	96	104	8	7.9%	0.4	Pass Low
111	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	B	692:662:115	20	8	-12	-58.0%	1.8	Pass Low
112	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	C	692:662:80	7	4	-3	-42.9%	0.7	Pass Low
113	9	outhtown Rd/Pasteur Rd/Haven Bridg	A	D	692:662:81	17	11	-6	-36.5%	1.0	Pass Low
114	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	A	115:662:692	26	7	-19	-71.5%	2.6	Pass Low
115	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	C	115:662:80	88	26	-62	-70.9%	4.8	Pass Low
116	9	outhtown Rd/Pasteur Rd/Haven Bridg	B	D	115:662:81	221	240	19	8.4%	0.7	Pass Low
117	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	A	80:662:692	16	7	-9	-55.0%	1.5	Pass Low
118	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	B	80:662:115	160	133	-27	-16.8%	1.3	Pass Low
119	9	outhtown Rd/Pasteur Rd/Haven Bridg	C	D	80:81:732	31	52	21	69.0%	1.9	Pass Low
120	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	A	712:662:692	8	18	10	120.0%	1.5	Pass Low
121	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	B	712:662:115	147	125	-22	-15.0%	1.1	Pass Low
122	9	outhtown Rd/Pasteur Rd/Haven Bridg	D	C	712:662:80	22	30	8	38.2%	0.9	Pass Low
123	10	Northgate St/Fullers Hill	A	B	95:101:100	42	74	32	76.7%	2.4	Pass Low
129	10	Northgate St/Fullers Hill	D	A	342:95:167	36	66	30	83.9%	2.4	Pass Low
130	10	Northgate St/Fullers Hill	D	B	342:101:100	109	105	-4	-3.5%	0.2	Pass Low
131	11	Nelson Rd/Euston Rd/St Nick Rd	A	B	465:339:532	1	2	1	80.0%	0.4	Pass Low
132	11	Nelson Rd/Euston Rd/St Nick Rd	A	C	465:339:505	41	30	-11	-25.9%	1.0	Pass Low
133	11	Nelson Rd/Euston Rd/St Nick Rd	A	D	465:339:500z	15	20	5	30.7%	0.6	Pass Low
134	11	Nelson Rd/Euston Rd/St Nick Rd	B	A	532:339:465	5	1	-4	-72.0%	1.2	Pass Low
135	11	Nelson Rd/Euston Rd/St Nick Rd	B	C	532:339:505	1	4	3	280.0%	1.0	Pass Low
136	11	Nelson Rd/Euston Rd/St Nick Rd	B	D	532:339:500z	33	18	-15	-45.5%	1.7	Pass Low
137	11	Nelson Rd/Euston Rd/St Nick Rd	C	A	505:339:465	37	23	-14	-37.3%	1.5	Pass Low
138	11	Nelson Rd/Euston Rd/St Nick Rd	C	B	505:339:532	2	7	5	250.0%	1.4	Pass Low
139	11	Nelson Rd/Euston Rd/St Nick Rd	C	D	505:339:500z	26	23	-3	-10.8%	0.3	Pass Low
140	11	Nelson Rd/Euston Rd/St Nick Rd	D	A	500z:339:465	21	8	-13	-61.0%	1.9	Pass Low
141	11	Nelson Rd/Euston Rd/St Nick Rd	D	B	500z:339:532	31	36	5	17.4%	0.5	Pass Low
142	11	Nelson Rd/Euston Rd/St Nick Rd	D	C	500z:339:505	20	18	-2	-9.0%	0.2	Pass Low
143	12	North Drive/Euston Rd	A	A	575:576:576:575	0	0	0		0.0	Pass Low
145	12	North Drive/Euston Rd	A	C	575:576:586:578	59	46	-13	-21.7%	1.0	Pass Low
149	12	North Drive/Euston Rd	D	A	577:587:576:575	82	74	-8	-10.2%	0.5	Pass Low
151	12	North Drive/Euston Rd	D	C	577:587:586:578	19	12	-7	-38.9%	1.1	Pass Low
152	13	Yarmouth Way/ S Quay	A	C	72:68:71	220	210	-10	-4.5%	0.4	Pass Low
153	13	Yarmouth Way/ S Quay	B	A	67:68:72	162	141	-21	-12.8%	1.0	Pass Low
154	13	Yarmouth Way/ S Quay	B	C	67:68:71	17	9	-8	-45.9%	1.2	Pass Low
155	13	Yarmouth Way/ S Quay	C	A	71:68:72	227	276	49	21.6%	1.8	Pass Low
156	14	Alexandra Rd	A	E	141:130:311	17	1	-16	-91.8%	3.0	Pass Low
157	14	Alexandra Rd	A	F	141:130:521	13	4	-9	-67.7%	1.7	Pass Low
158	14	Alexandra Rd	C	B	187:143:178	30	3	-27	-90.7%	3.9	Pass Low
161	14	Alexandra Rd	D	B	336:143:178	21	1	-20	-95.2%	3.5	Pass Low
164	15	Alexandra Rd	A	B	186:187:338	21	23	2	7.6%	0.2	Pass Low
165	15	Alexandra Rd	A	C	186:187:143	77	93	16	21.0%	1.0	Pass Low
166	15	Alexandra Rd	B	C	338:187:143	54	36	-18	-33.3%	1.5	Pass Low





Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
173	4	Northgate Street	S	N	1365:543	93	113	20	21.3%	1.1	Pass Low
174	4	Northgate Street	N	S	543:1365	88	61	-27	-30.2%	1.8	Pass Low
181	8	Burgh Rd	W	E	1057:1051	62	58	-4	-7.1%	0.3	Pass Low
182	8	Burgh Rd	E	W	1051:1057	61	60	-1	-1.0%	0.0	Pass Low
183	9	Beccles Road	SW	NE	1332:1041	161	151	-10	-6.2%	0.5	Pass Low
184	9	Beccles Road	NE	SW	1041:1332	205	189	-16	-8.0%	0.7	Pass Low
193	14	Caister Road	S	N	369:536	372	341	-31	-8.3%	0.9	Pass Low
194	14	Caister Road	N	S	536:369	270	286	16	5.8%	0.5	Pass Low
203	16	Gapton Hall Retail Park	A	C	306:298:560z	203	301	98	48.1%	3.6	Pass Low
204	16	Gapton Hall Retail Park	A	D	306:298:556z	37	28	-9	-24.3%	0.9	Pass Low
205	16	Gapton Hall Retail Park	C	A	560z:298:306	118	163	45	38.3%	2.2	Pass Low
206	16	Gapton Hall Retail Park	C	D	560z:298:556z	20	22	2	11.0%	0.3	Pass Low
207	16	Gapton Hall Retail Park	D	A	558z:298:306	48	48	0	-0.4%	0.0	Pass Low
208	16	Gapton Hall Retail Park	D	C	558z:298:560z	10	9	-1	-6.0%	0.1	Pass Low
209	21	Matalan Access	exit		85:82	4	3	-1	-20.0%	0.2	Pass Low
210	21	Matalan Access		access	82:85	2	2	0	-10.0%	0.1	Pass Low
211	22	Station Road	exit		78:79	53	91	38	70.9%	2.6	Pass Low
212	22	Station Road		access	79:78	10	26	16	160.0%	2.2	Pass Low
213	17	es Way / Pasteur Road / Thamesfield	A	B	248:276:254:1243	14	17	3	18.6%	0.4	Pass Low
214	17	es Way / Pasteur Road / Thamesfield	A	C	248:276:275:273	7	4	-3	-45.7%	0.8	Pass Low
215	17	es Way / Pasteur Road / Thamesfield	A	D	248:276:270:289	72	63	-9	-12.8%	0.6	Pass Low
216	17	es Way / Pasteur Road / Thamesfield	B	A	272:265:277:248	17	3	-14	-80.0%	2.5	Pass Low
217	17	es Way / Pasteur Road / Thamesfield	B	C	272:265:275:273	22	9	-13	-59.1%	1.9	Pass Low
218	17	es Way / Pasteur Road / Thamesfield	B	D	272:265:270:289	202	285	83	41.3%	3.1	Pass Low
219	17	es Way / Pasteur Road / Thamesfield	C	A	273:274:277:248	6	3	-3	-50.0%	0.8	Pass Low
220	17	es Way / Pasteur Road / Thamesfield	C	B	273:274:254:1243	18	15	-3	-15.6%	0.4	Pass Low
221	17	es Way / Pasteur Road / Thamesfield	C	D	273:274:270:289	51	55	4	7.8%	0.3	Pass Low
222	17	es Way / Pasteur Road / Thamesfield	D	A	562:269:277:248	66	46	-20	-30.3%	1.5	Pass Low
223	17	es Way / Pasteur Road / Thamesfield	D	B	562:269:254:1243	95	143	48	50.3%	2.5	Pass Low
224	17	es Way / Pasteur Road / Thamesfield	D	C	562:269:275:273	36	39	3	9.4%	0.3	Pass Low
225	Site 5	Priory Plain / St Nicholas Rd	2		111:165:165z	61	63	2	3.0%	0.1	Pass Low
226	Site 5	Priory Plain / St Nicholas Rd	3		111:165:163z	61	107	46	75.1%	2.9	Pass Low
227	Site 5	Priory Plain / St Nicholas Rd	4		111:165:163	3	9	6	193.3%	1.4	Pass Low
228	Site 5	Priory Plain / St Nicholas Rd	5		165z:165:111	60	55	-5	-8.7%	0.4	Pass Low
229	Site 5	Priory Plain / St Nicholas Rd	7		165z:165:163z	15	19	4	24.0%	0.5	Pass Low
230	Site 5	Priory Plain / St Nicholas Rd	8		165z:165:163	4	0	-4	-90.0%	1.4	Pass Low
231	Site 5	Priory Plain / St Nicholas Rd	13		163:165:111	1	3	2	220.0%	0.9	Pass Low
232	Site 5	Priory Plain / St Nicholas Rd	14		163:165:165z	3	0	-3	-86.7%	1.2	Pass Low
233	Site 5	Priory Plain / St Nicholas Rd	15		163:165:163z	1	2	1	60.0%	0.3	Pass Low
234	Junction	Euston Rd / Wellesley Rd	11		574:532:339	10	13	3	26.0%	0.4	Pass Low
235	Junction	Euston Rd / Wellesley Rd	12		574:532:782	3	2	-1	-40.0%	0.4	Pass Low
236	Junction	Euston Rd / Wellesley Rd	13		574:532:577	0	2	2		1.2	Pass Low
237	Junction	Euston Rd / Wellesley Rd	14		577:532:574	8	2	-6	-80.0%	1.7	Pass Low
238	Junction	Euston Rd / Wellesley Rd	15		577:532:339	31	9	-22	-72.3%	2.9	Pass Low
239	Junction	Euston Rd / Wellesley Rd	16		577:532:782	0	1	1		0.6	Pass Low
240	Junction	Euston Rd / Wellesley Rd	17		782:532:577	1	1	0	0.0%	0.0	Pass Low
241	Junction	Euston Rd / Wellesley Rd	18		782:532:574	1	1	0	-40.0%	0.3	Pass Low
242	Junction	Euston Rd / Wellesley Rd	19		782:532:339	5	2	-3	-60.0%	0.9	Pass Low
243	Junction	Euston Rd / Wellesley Rd	20		339:532:782	3	5	2	80.0%	0.7	Pass Low
244	Junction	Euston Rd / Wellesley Rd	21		339:532:577	27	35	8	30.4%	0.8	Pass Low
245	Junction	Euston Rd / Wellesley Rd	22		339:532:574	4	5	1	15.0%	0.2	Pass Low
246	Junction	St Nick Rd / Sainsbury Access	35		1259:360:357	21	21	0	-1.9%	0.1	Pass Low
247	Junction	St Nick Rd / Sainsbury Access	36		1259:360:359	20	22	2	9.0%	0.2	Pass Low
248	Junction	St Nick Rd / Sainsbury Access	37		359:360:1259	17	13	-4	-24.7%	0.6	Pass Low
249	Junction	St Nick Rd / Sainsbury Access	38		359:360:357	66	51	-15	-22.4%	1.1	Pass Low
250	Junction	St Nick Rd / Sainsbury Access	39		357:360:359	59	45	-14	-24.1%	1.1	Pass Low
251	Junction	St Nick Rd / Sainsbury Access	40		357:360:1259	17	19	2	10.6%	0.2	Pass Low
252	Site 6	arket Road / Temple Road / Regent B	2		165:163z:1213z	9	27	18	195.6%	2.4	Pass Low
253	Site 6	arket Road / Temple Road / Regent B	3		165:163z:180	51	92	41	80.4%	2.8	Pass Low
254	Site 6	arket Road / Temple Road / Regent B	4		165:163z:166	8	8	0	2.5%	0.0	Pass Low
255	Site 6	arket Road / Temple Road / Regent B	7		1213z:163z:180	7	20	13	191.4%	2.1	Pass Low
256	Site 6	arket Road / Temple Road / Regent B	8		1213z:163z:166	2	0	-2	-90.0%	1.0	Pass Low
257	Site 6	arket Road / Temple Road / Regent B	14		166:163z:1213z	12	0	-12	-98.3%	2.8	Pass Low
258	Site 6	arket Road / Temple Road / Regent B	15		166:163z:180	6	4	-2	-36.7%	0.6	Pass Low
259	J11	St Nicholas Car Park	1		645:637:1226	0	2	2		1.1	Pass Low
260	J11	St Nicholas Car Park	2		645:637:1185	37	49	12	33.0%	1.1	Pass Low
261	J11	St Nicholas Car Park	5		1185:637:645	21	17	-4	-19.0%	0.5	Pass Low
262	J11	St Nicholas Car Park	7		1223:645:637	2	12	10	500.0%	2.2	Pass Low
263	J4	Beach Parade / Kings Rd Roundabo	1		1185:641:642:634	6	14	8	140.0%	1.5	Pass Low



**Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Period**

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
264	J4	Beach Parade / Kings Rd Roundabo	2		1185:641:631z:630z	32	33	1	4.4%	0.1	Pass Low
265	J4	Beach Parade / Kings Rd Roundabo	3		1185:641:641:1185	2	1	-1	-30.0%	0.3	Pass Low
266	J4	Beach Parade / Kings Rd Roundabo	4		634:642:631z:630z	13	12	-1	-4.6%	0.1	Pass Low
267	J4	Beach Parade / Kings Rd Roundabo	5		634:642:641:1185	1	5	4	420.0%	1.4	Pass Low
268	J4	Beach Parade / Kings Rd Roundabo	6		634:642:642:634	0	0	0		0.0	Pass Low
269	J4	Beach Parade / Kings Rd Roundabo	7		630z:631z:641:1185	17	17	0	-1.2%	0.0	Pass Low
270	J4	Beach Parade / Kings Rd Roundabo	8		630z:631z:642:634	8	8	0	-5.0%	0.1	Pass Low
271	J4	Beach Parade / Kings Rd Roundabo	9		630z:631z:631z:630z	1	0	-1	-100.0%	0.8	Pass Low
272	J5	ach Parade / Harbord Cres (north jun	2		655:651:645	31	36	5	15.5%	0.5	Pass Low
273	J5	ach Parade / Harbord Cres (north jun	4		657:651:645	4	3	-1	-20.0%	0.2	Pass Low
274	J5	ach Parade / Harbord Cres (north jun	5		657:651:655	3	0	-3	-93.3%	1.3	Pass Low
275	J5	ach Parade / Harbord Cres (north jun	7		645:651:655	19	17	-2	-10.5%	0.3	Pass Low
276	J6	ach Parade / Harbord Cres (south jun	1		672:655:656	5	1	-4	-76.0%	1.2	Pass Low
277	J6	ach Parade / Harbord Cres (south jun	2		672:655:651	32	36	4	11.9%	0.4	Pass Low
278	J6	ach Parade / Harbord Cres (south jun	4		651:655:656	7	3	-4	-54.3%	1.0	Pass Low
279	J6	ach Parade / Harbord Cres (south jun	5		651:655:672	16	14	-2	-13.8%	0.3	Pass Low
280	J7	S Denes Rd / Salmon Rd	1		708:685:681	37	52	15	40.0%	1.3	Pass Low
281	J7	S Denes Rd / Salmon Rd	2		708:685:684	2	5	3	130.0%	0.8	Pass Low
282	J7	S Denes Rd / Salmon Rd	4		681:685:684	3	4	1	40.0%	0.4	Pass Low
283	J7	S Denes Rd / Salmon Rd	5		681:685:708	18	22	4	22.2%	0.5	Pass Low
284	J7	S Denes Rd / Salmon Rd	7		684:685:708	2	2	0	-10.0%	0.1	Pass Low
285	J7	S Denes Rd / Salmon Rd	8		684:685:681	18	7	-11	-58.9%	1.7	Pass Low
286	J8	S Denes Rd / Suffling Rd	1		685:681:678	57	59	2	3.9%	0.2	Pass Low
287	J8	S Denes Rd / Suffling Rd	2		685:681:1272	0	0	0		0.0	Pass Low
288	J8	S Denes Rd / Suffling Rd	4		678:681:1272	3	5	2	66.7%	0.6	Pass Low
289	J8	S Denes Rd / Suffling Rd	5		678:681:685	21	25	4	19.0%	0.5	Pass Low
290	J8	S Denes Rd / Suffling Rd	7		1272:681:685	0	1	1		0.9	Pass Low
291	J8	S Denes Rd / Suffling Rd	8		1272:681:678	8	7	-1	-17.5%	0.3	Pass Low
292	J9	S Denes Rd / Main Cross Rd	1		681:678:729	61	59	-2	-2.6%	0.1	Pass Low
293	J9	S Denes Rd / Main Cross Rd	2		681:678:1292	2	6	4	220.0%	1.2	Pass Low
294	J9	S Denes Rd / Main Cross Rd	4		729:678:1292	15	10	-5	-34.7%	0.9	Pass Low
295	J9	S Denes Rd / Main Cross Rd	5		729:678:681	22	27	5	24.5%	0.6	Pass Low
296	J9	S Denes Rd / Main Cross Rd	7		1292:678:681	2	3	1	30.0%	0.2	Pass Low
297	J9	S Denes Rd / Main Cross Rd	8		1292:678:729	17	18	1	4.7%	0.1	Pass Low
298	J10	S Denes Rd / Swanston's Rd	1		729:731:732	1	0	-1	-60.0%	0.4	Pass Low
299	J10	S Denes Rd / Swanston's Rd	2		729:731:733	80	78	-2	-2.5%	0.1	Pass Low
300	J10	S Denes Rd / Swanston's Rd	3		729:731:746	1	1	0	0.0%	0.0	Pass Low
301	J10	S Denes Rd / Swanston's Rd	5		732:731:733	5	2	-3	-52.0%	0.8	Pass Low
302	J10	S Denes Rd / Swanston's Rd	6		732:731:746	1	0	-1	-100.0%	0.8	Pass Low
303	J10	S Denes Rd / Swanston's Rd	7		732:731:729	0	0	0		0.0	Pass Low
304	J10	S Denes Rd / Swanston's Rd	9		733:731:746	14	12	-2	-17.1%	0.4	Pass Low
305	J10	S Denes Rd / Swanston's Rd	10		733:731:729	39	37	-2	-4.1%	0.1	Pass Low
306	J10	S Denes Rd / Swanston's Rd	11		733:731:732	1	0	-1	-100.0%	0.8	Pass Low
309	nction	S Road/A12 Slip On/A12 Slip Off/Schr	99		828:830:840	13	32	19	146.2%	2.3	Pass Low
310	nction	S Road/A12 Slip On/A12 Slip Off/Schr	100		829:833:834	4	33	29	730.0%	3.9	Pass Low
313	nction	S Road/A12 Slip On/A12 Slip Off/Schr	103		841:833:829	12	14	2	18.3%	0.4	Pass Low
314	nction	S Road/A12 Slip On/A12 Slip Off/Schr	104		841:833:834	54	53	-1	-1.1%	0.0	Pass Low
315	nction	S Road/A12 Slip On/A12 Slip Off/Schr	105		841:833:836	11	4	-7	-60.0%	1.4	Pass Low
316	nction	S Road/A12 Slip On/A12 Slip Off/Schr	106		836:833:841	3	2	-1	-26.7%	0.3	Pass Low
317	nction	S Road/A12 Slip On/A12 Slip Off/Schr	107		836:833:829	31	46	15	47.1%	1.4	Pass Low
318	nction	S Road/A12 Slip On/A12 Slip Off/Schr	108		839:836:832	98	106	8	7.8%	0.4	Pass Low
319	nction	Beccles Road/High Road	109		914:909:915	130	115	-15	-11.4%	0.8	Pass Low
320	nction	Beccles Road/High Road	110		914:909:923	38	73	35	92.1%	2.7	Pass Low
321	nction	Beccles Road/High Road	111		923:909:910	41	48	7	17.6%	0.6	Pass Low
322	nction	Beccles Road/High Road	112		923:909:915	11	7	-4	-40.0%	0.9	Pass Low
323	nction	Beccles Road/High Road	113		908:909:923	4	16	12	290.0%	2.1	Pass Low
324	nction	Beccles Road/High Road	114		908:909:910	73	98	25	33.7%	1.5	Pass Low
325	nction	ccles Road/Malhouse Lane/Alpha Rd	115		885:901:913	186	188	2	1.3%	0.1	Pass Low
326	nction	ccles Road/Malhouse Lane/Alpha Rd	116		885:901:927	54	9	-45	-83.7%	4.7	Pass Low
327	nction	ccles Road/Malhouse Lane/Alpha Rd	117		927:913:914	1	1	0	-40.0%	0.3	Pass Low
328	nction	ccles Road/Malhouse Lane/Alpha Rd	118		911:912:887	119	137	18	15.1%	0.9	Pass Low
329	nction	ccles Road/Malhouse Lane/Alpha Rd	119		911:912:972	2	9	7	340.0%	1.7	Pass Low
330	nction	ccles Road/Malhouse Lane/Alpha Rd	120		972:912:887	5	17	12	240.0%	2.1	Pass Low
331	nction	William Adams Way/Suffolk Road	122		812:813:812	98	91	-7	-6.7%	0.4	Pass Low
332	nction	William Adams Way/Suffolk Road	123		811z:813:812	141	128	-13	-9.4%	0.7	Pass Low
333	nction	William Adams Way/Suffolk Road	124		811z:813:866	86	109	23	26.5%	1.3	Pass Low
334	nction	3 Pasteur Road/East Access/West Ad	143		103:260:258	0	5	5		1.8	Pass Low
335	nction	3 Pasteur Road/East Access/West Ad	144		103:260:272	233	291	58	24.9%	2.1	Pass Low
336	nction	3 Pasteur Road/East Access/West Ad	145		103:260:261	0	0	0		0.5	Pass Low



Vehicle Flow Information  
Calibration Statistics  
LGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
339	nction	3 Pasteur Road/East Access/West Ad	148		261:260:272	4	1	-3	-65.0%	0.9	Pass Low
340	nction	3 Pasteur Road/East Access/West Ad	149		255:258:260	1	2	1	60.0%	0.3	Pass Low
341	nction	3 Pasteur Road/East Access/West Ad	150		255:258:74	122	169	47	38.2%	2.2	Pass Low
342	nction	3 Pasteur Road/East Access/West Ad	151		255:258:257	3	4	1	33.3%	0.3	Pass Low
345	nction	3 Pasteur Road/East Access/West Ad	154		257:258:74	1	2	1	80.0%	0.4	Pass Low



Vehicle Flow Information  
Validation Statistics  
LGV Vehicles  
PM Period

Index	Junction	Name	Origin	Destination	Reference	Observed Flow	Modelled Flow	Difference	% Difference	G.E.H. Value (using hourly flows)	Flow Test (using hourly flows)
124	10	Northgate St/Fullers Hill	B	A	JCT10BA	8	11	3	37.5%	0.6	Pass Low
125	10	Northgate St/Fullers Hill	B	D	JCT10BD	60	49	-11	-17.7%	0.8	Pass Low
126	10	Northgate St/Fullers Hill	C	A	JCT10CA	25	27	2	6.4%	0.2	Pass Low
128	10	Northgate St/Fullers Hill	C	D	JCT10CD	35	50	15	42.3%	1.3	Pass Low
159	14	Alexandra Rd	C	E	JCT14CE	23	8	-15	-65.2%	2.2	Pass Low
160	14	Alexandra Rd	C	F	JCT14CF	81	118	37	45.9%	2.2	Pass Low
162	14	Alexandra Rd	D	E	JCT14DE	2	0	-2	-100.0%	1.2	Pass Low
163	14	Alexandra Rd	D	F	JCT14DF	10	8	-2	-16.0%	0.3	Pass Low
167	1	A47 - Breydon Bridge	SW	NE	203:202	487	426	-61	-12.4%	1.6	Pass Low
168	1	A47 - Breydon Bridge	NE	SW	202:203	500	608	108	21.7%	2.7	Pass Low
169	2	Haven Bridge	NE	SW	872:50	333	273	-60	-18.0%	2.0	Pass Low
170	2	Haven Bridge	SW	NE	50:872	327	267	-60	-18.5%	2.0	Pass Low
171	3	Lawn Avenue	NE	SW	370:368	208	260	52	25.1%	2.0	Pass Low
172	3	Lawn Avenue	SW	NE	368:370	348	291	-57	-16.5%	1.9	Pass Low
175	5	North Denes Rd	S	N	1270:559	127	40	-87	-68.2%	5.5	Pass Low
176	5	North Denes Rd	N	S	559:1270	43	39	-4	-8.8%	0.3	Pass Low
177	6	North Drive	S	N	1262:557	86	98	12	14.0%	0.7	Pass Low
178	6	North Drive	N	S	557:1262	65	64	-1	-0.9%	0.0	Pass Low
179	7	Gapton Hall Road	SW	NE	1067:1068	107	107	0	0.4%	0.0	Pass Low
180	7	Gapton Hall Road	NE	SW	1068:1067	310	285	-25	-8.1%	0.8	Pass Low
185	10	A47/Beccles Rd	S	N	837:817z	513	543	30	5.8%	0.7	Pass Low
186	10	A47/Beccles Rd	N	S	822:825	644	640	-4	-0.6%	0.1	Pass Low
187	11	South Denes Rd	S	N	681:678	92	66	-26	-28.5%	1.7	Pass Low
188	11	South Denes Rd	N	S	678:681	32	30	-2	-6.2%	0.2	Pass Low
189	12	South Beach Parade	S	N	674:672	25	27	2	7.2%	0.2	Pass Low
190	12	South Beach Parade	N	S	672:674	10	13	3	26.0%	0.4	Pass Low
195	17	Southtown Rd	S	N	419:420	108	115	7	6.3%	0.4	Pass Low
196	17	Southtown Rd	N	S	420:419	119	64	-55	-46.2%	3.3	Pass Low
197	18	B1141 Priory Plain	SE	NW	165:111	76	58	-18	-23.7%	1.3	Pass Low
198	18	B1141 Priory Plain	NW	SE	111:165	143	178	35	24.8%	1.6	Pass Low
199	19	Euston Rd	E	W	532:339	47	23	-24	-50.6%	2.3	Pass Low
200	19	Euston Rd	W	E	339:532	46	45	-1	-1.7%	0.1	Pass Low
201	20	Acle New Rd	SE	NW	12:1	383	477	94	24.4%	2.6	Pass Low
202	20	Acle New Rd	NW	SE	1:12	376	351	-25	-6.6%	0.8	Pass Low





# Annex B

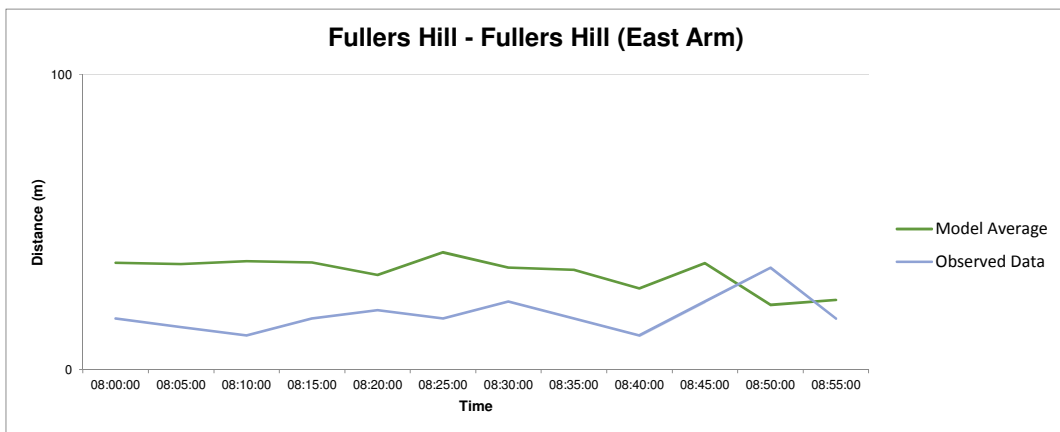
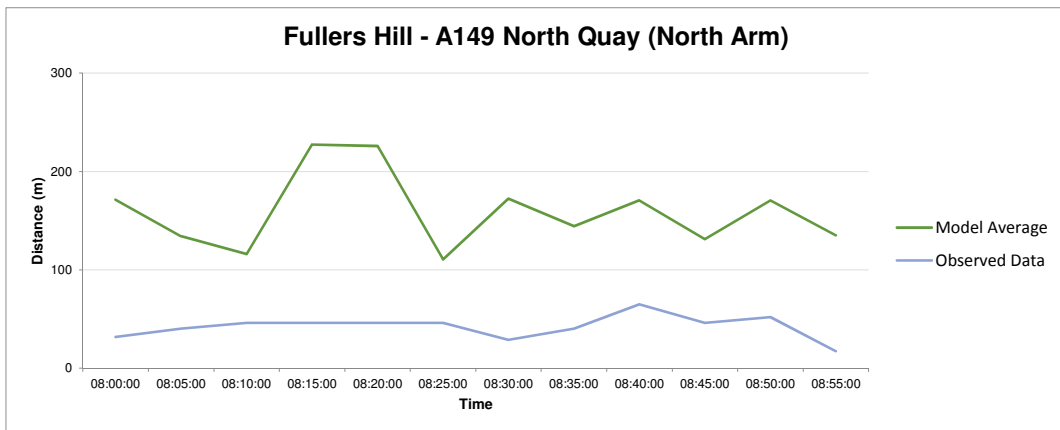
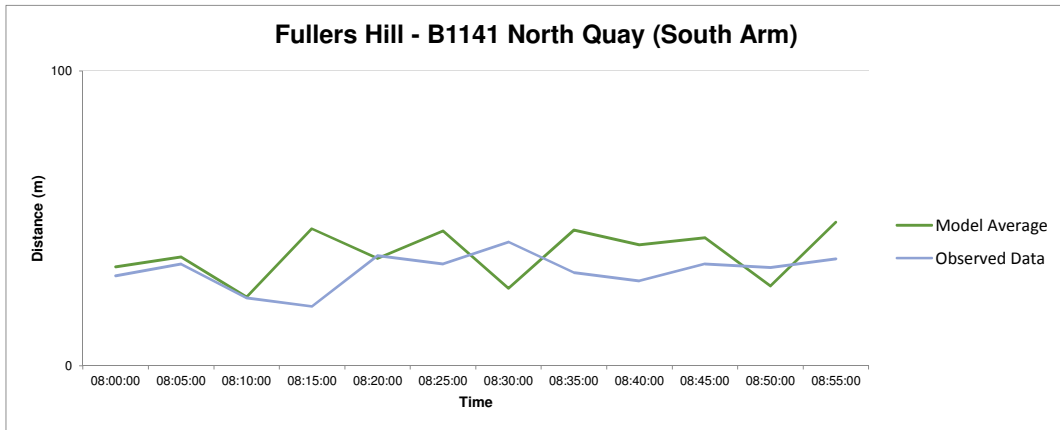
## QUEUE LENGTH CALIBRATION





Queue Graphs

Junction Number 1  
AM Peak





Queue Graphs

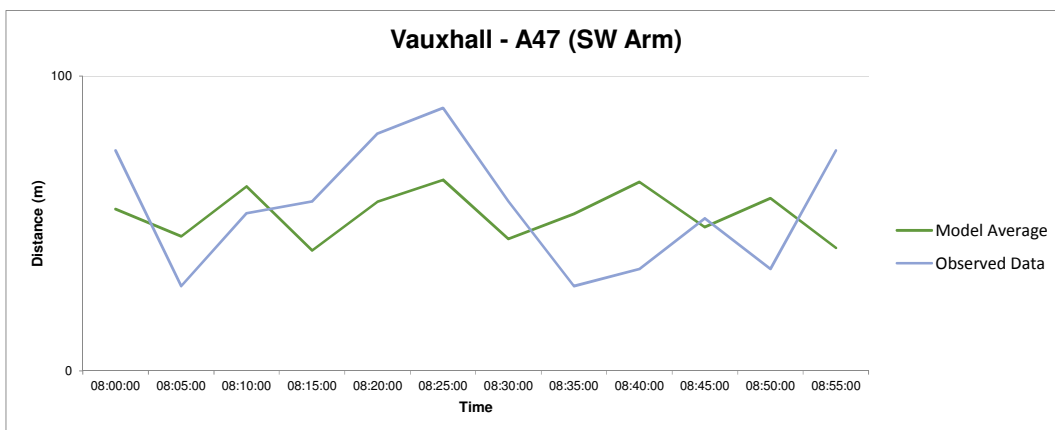
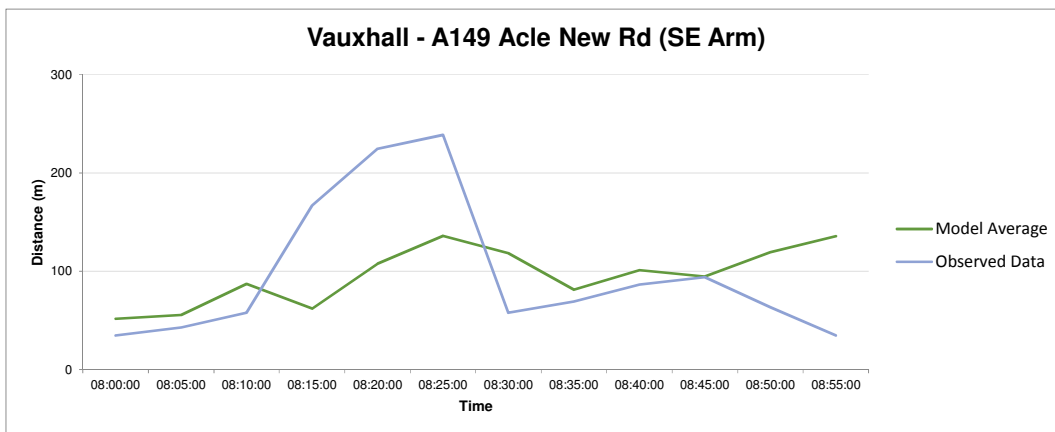
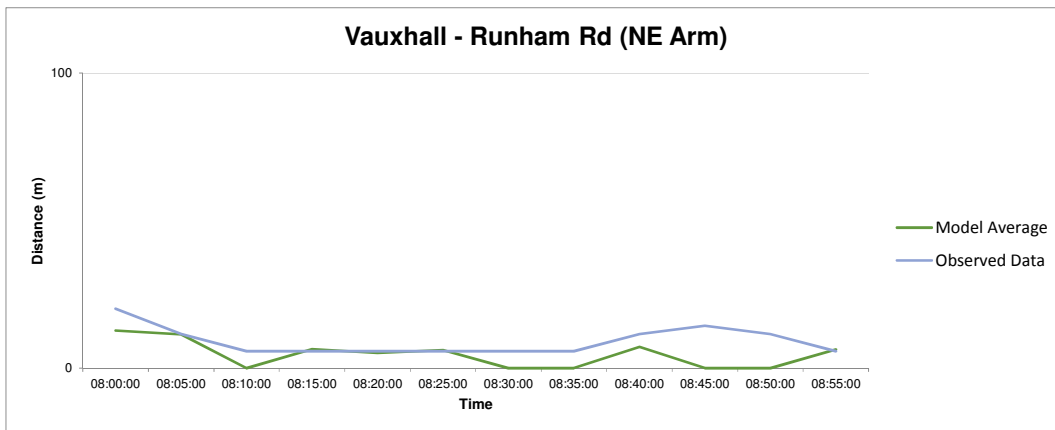
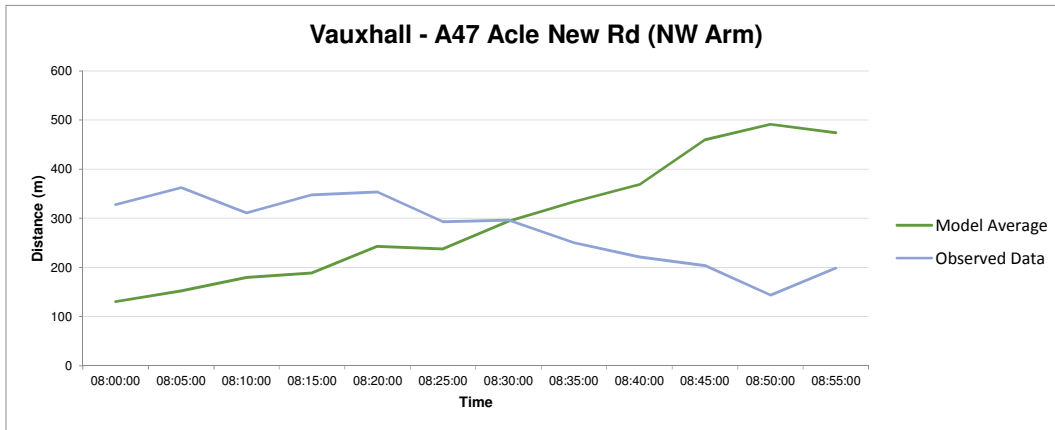
Junction Number 1  
AM Peak





Queue Graphs

Junction Number 2  
AM Peak





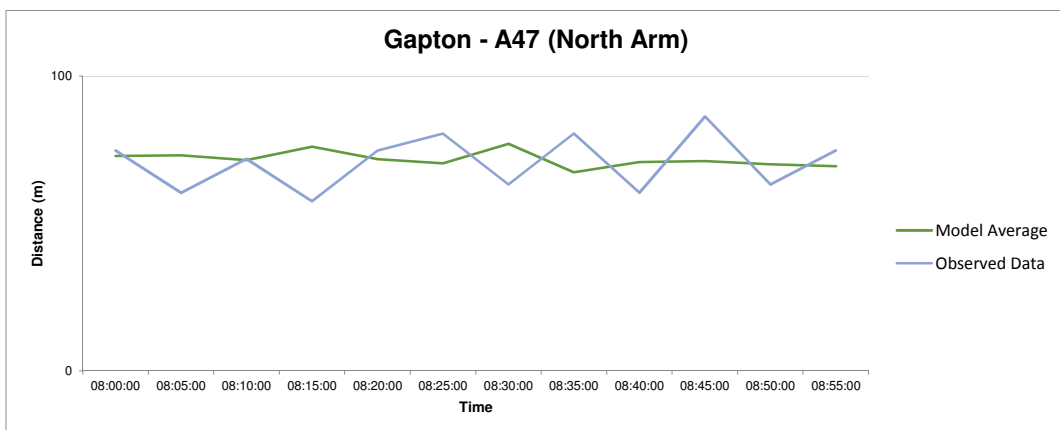
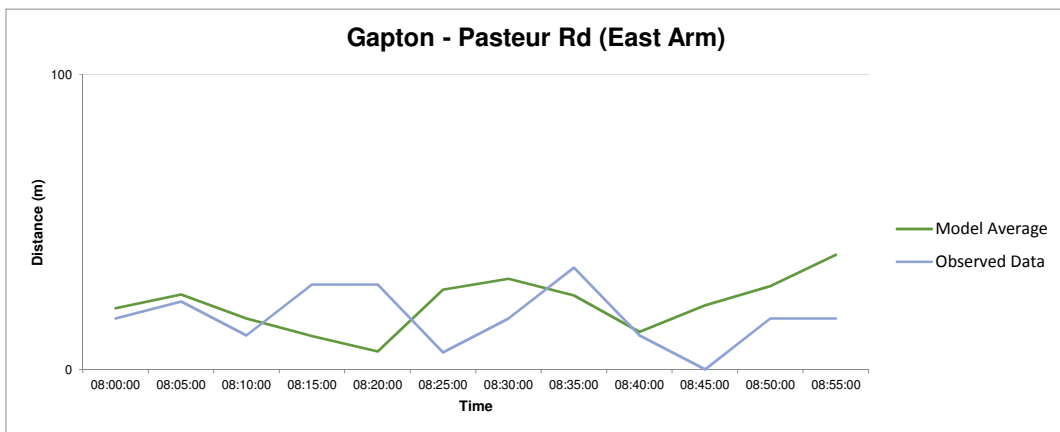
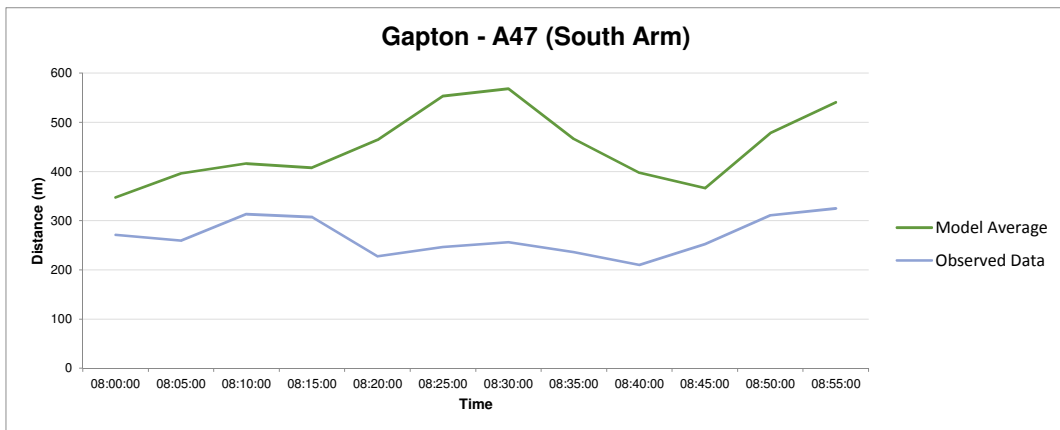
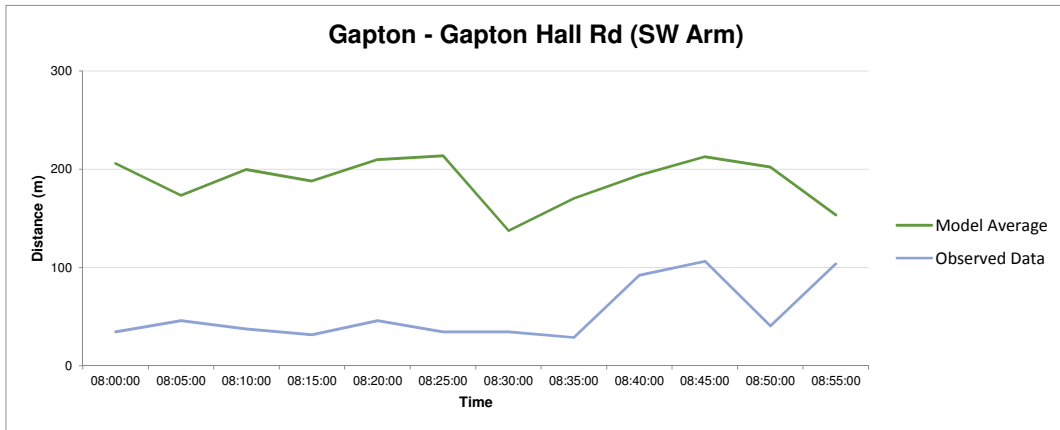
Queue Graphs

Junction Number 2  
AM Peak



Queue Graphs

Junction Number 3  
AM Peak





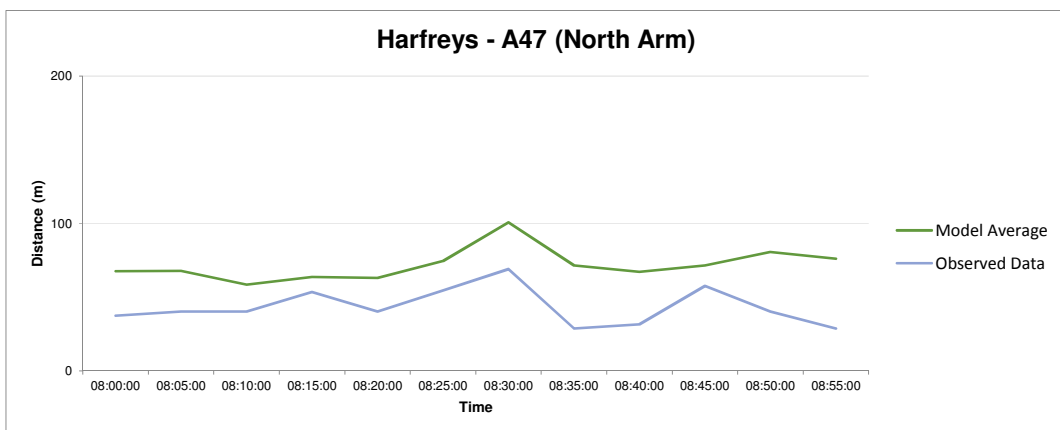
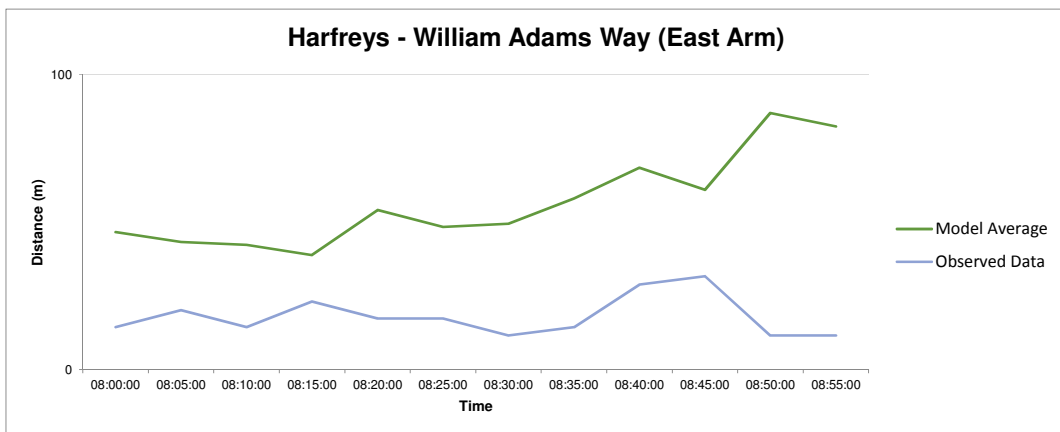
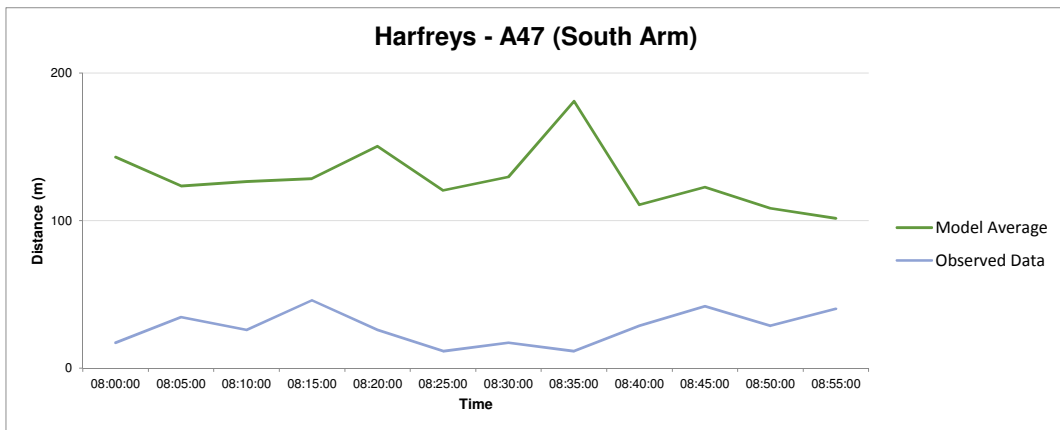
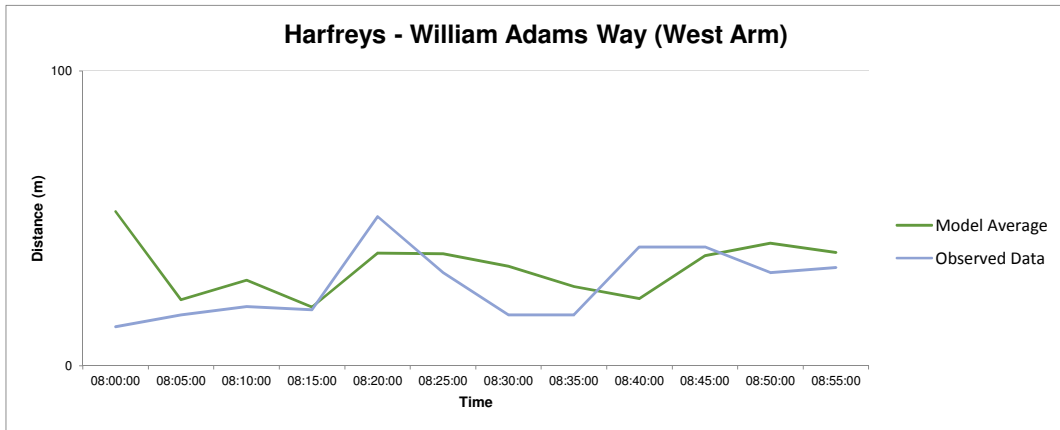
Queue Graphs

Junction Number 3  
AM Peak



Queue Graphs

Junction Number 4  
AM Peak





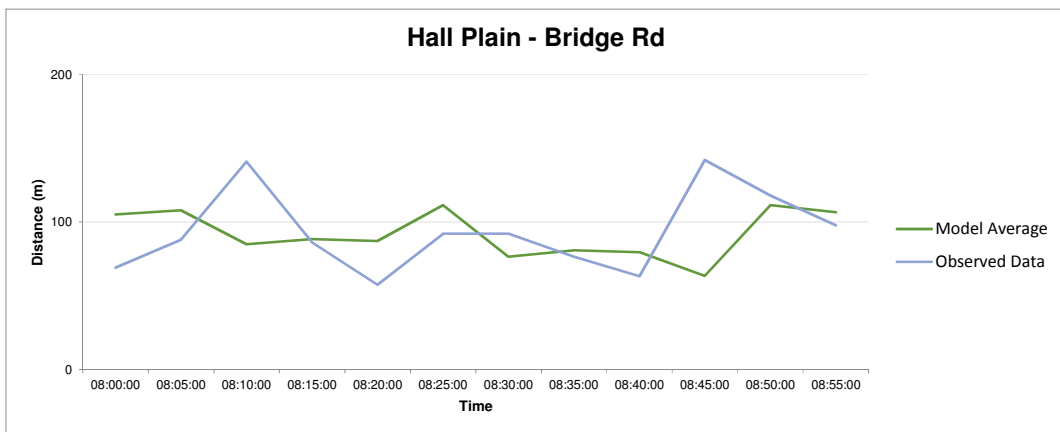
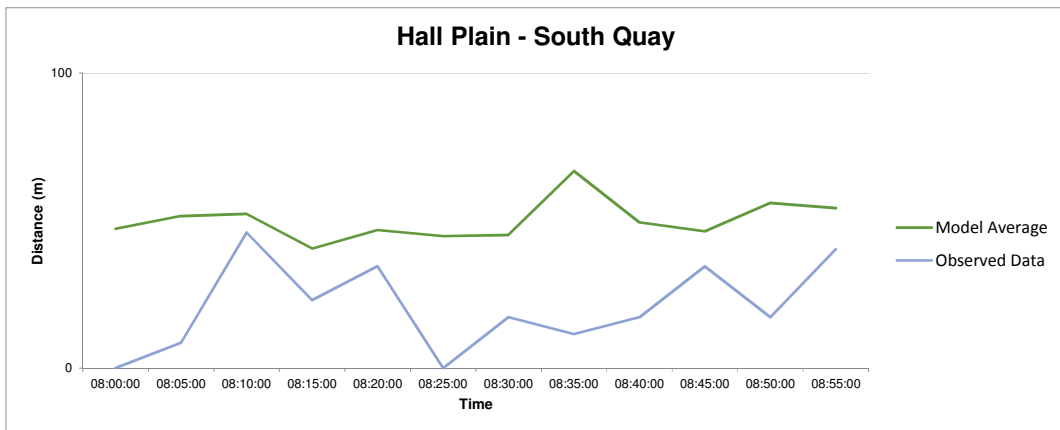
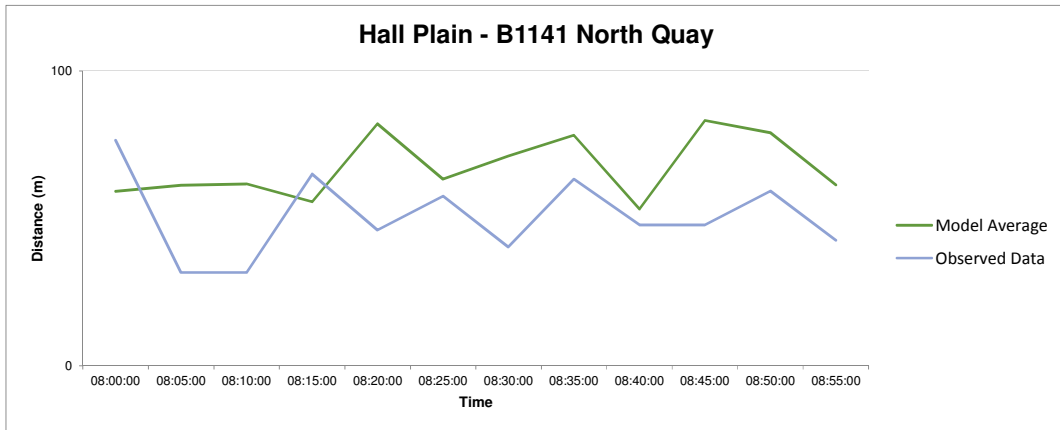
Queue Graphs

Junction Number 4  
AM Peak



Queue Graphs

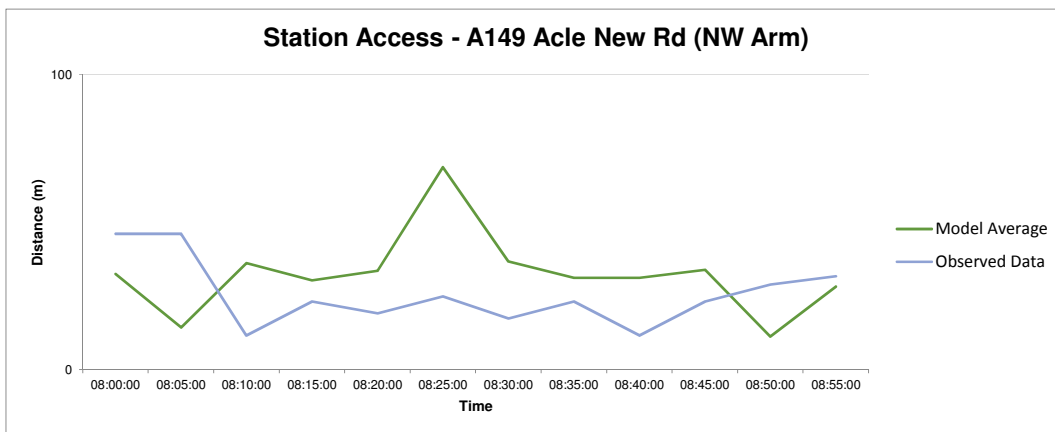
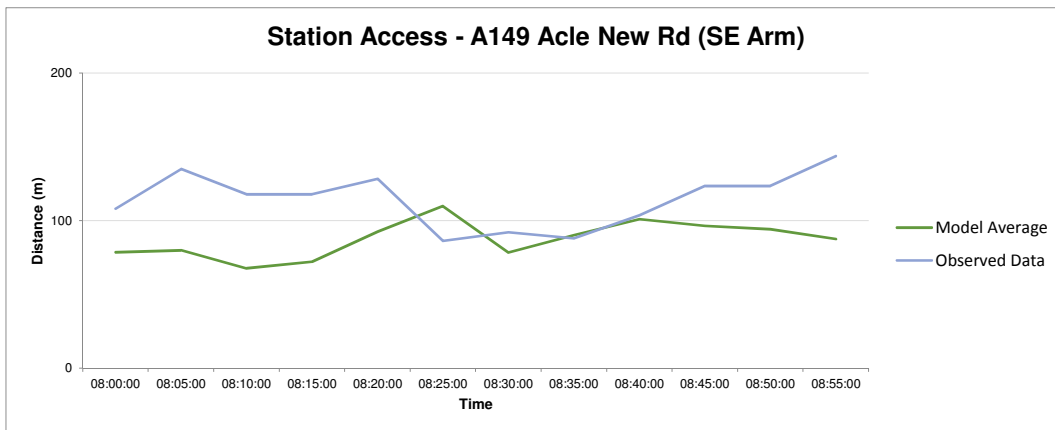
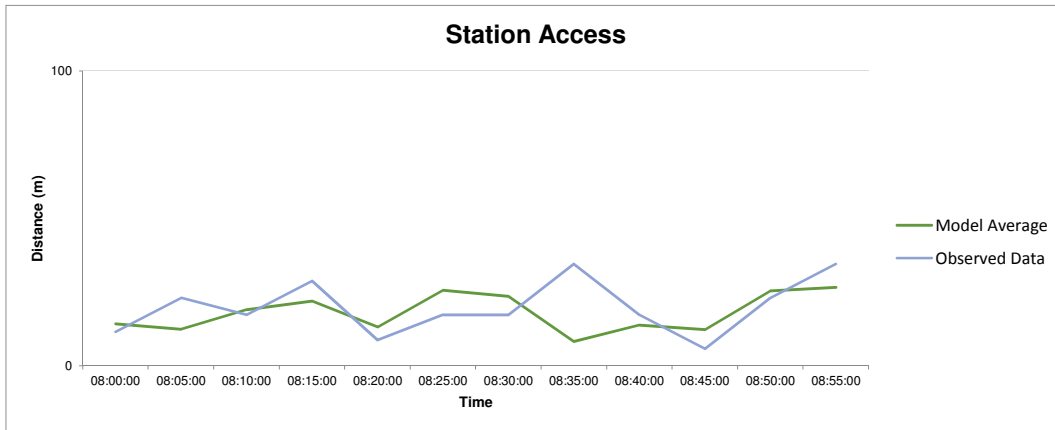
Junction Number 5  
AM Peak





Queue Graphs

Junction Number 6  
AM Peak

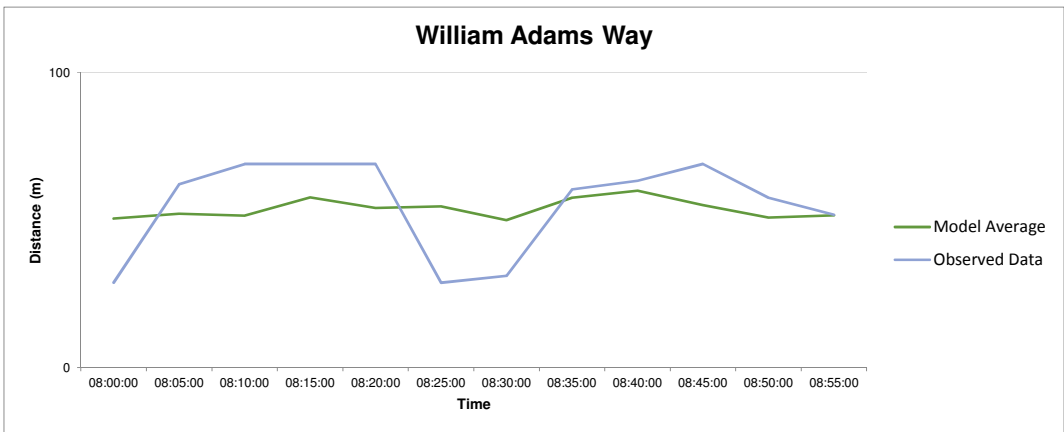
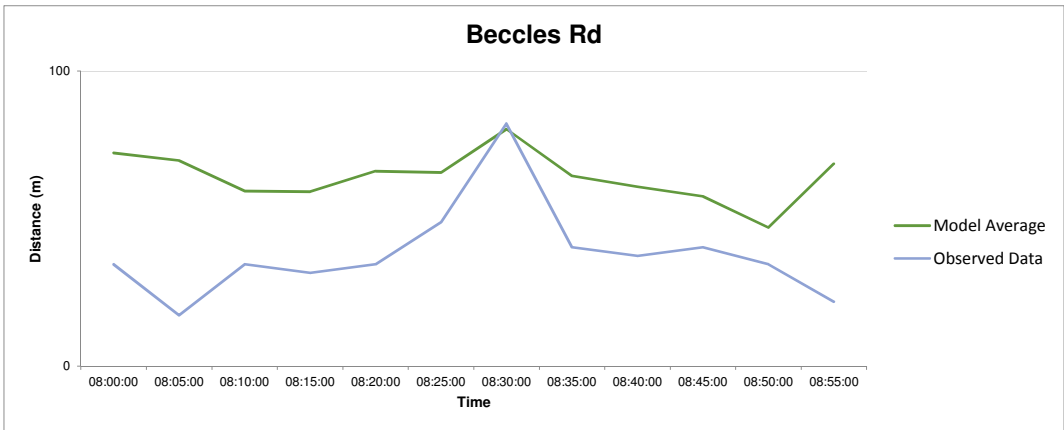






Queue Graphs

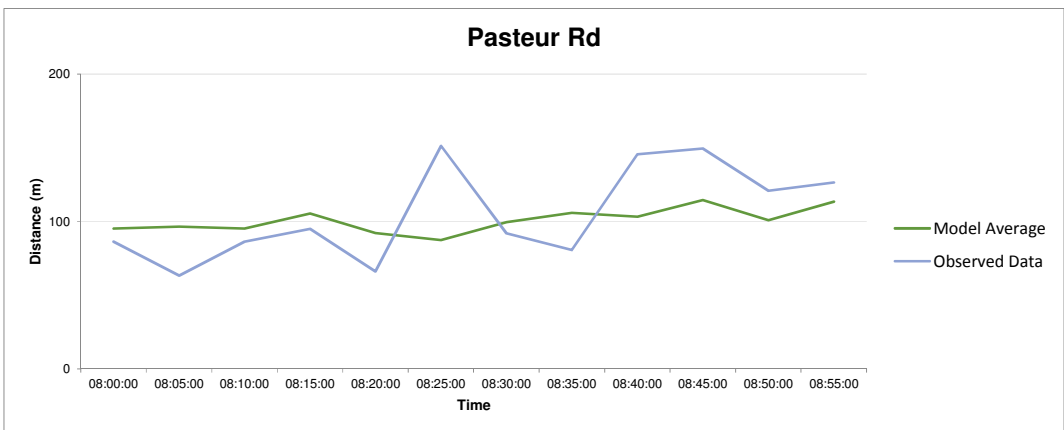
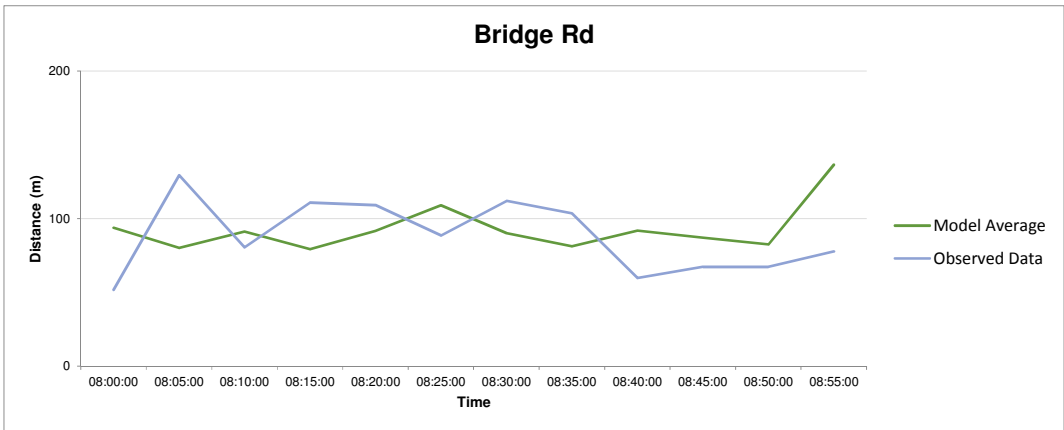
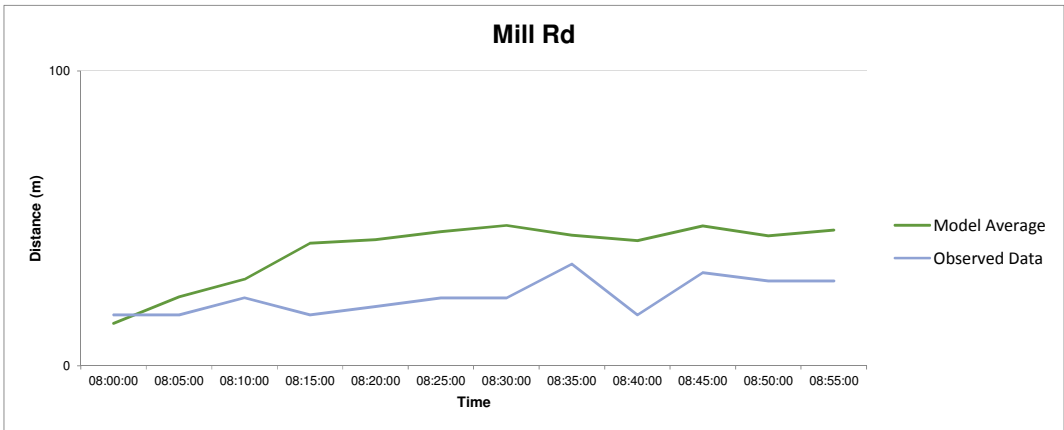
Junction Number 8  
AM Peak





Queue Graphs

Junction Number 9  
AM Peak





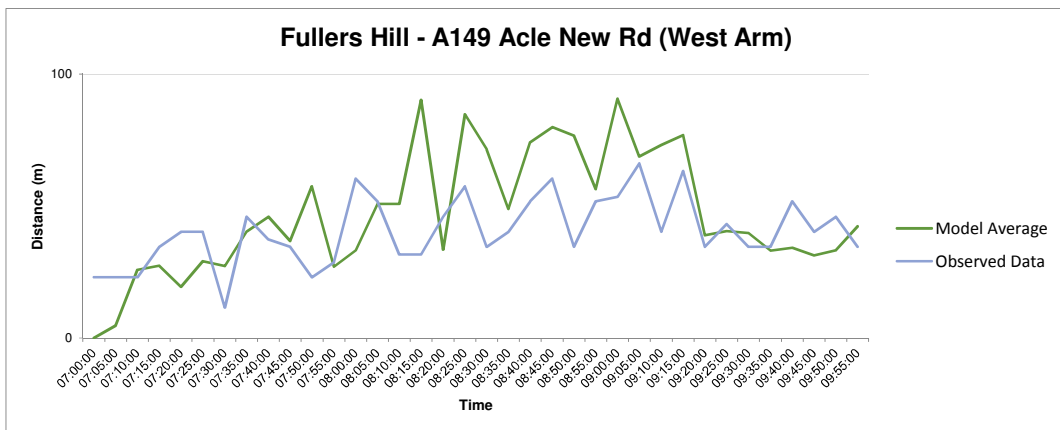
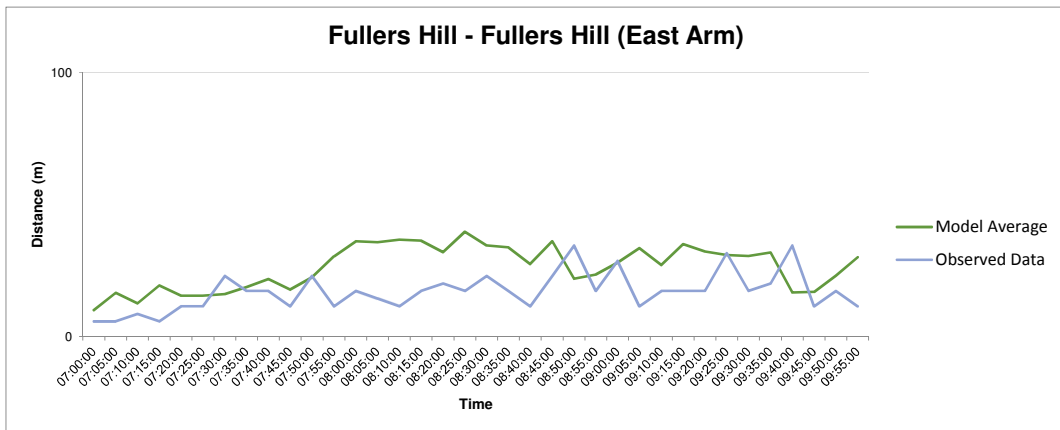
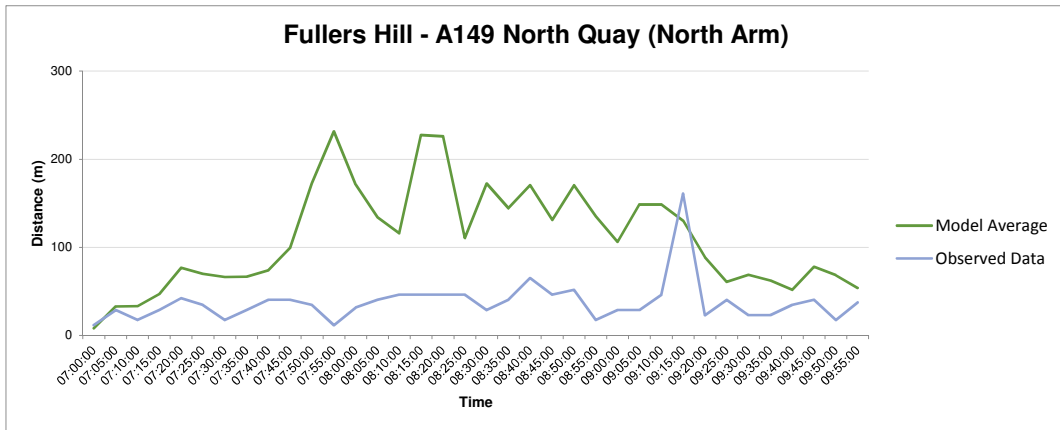
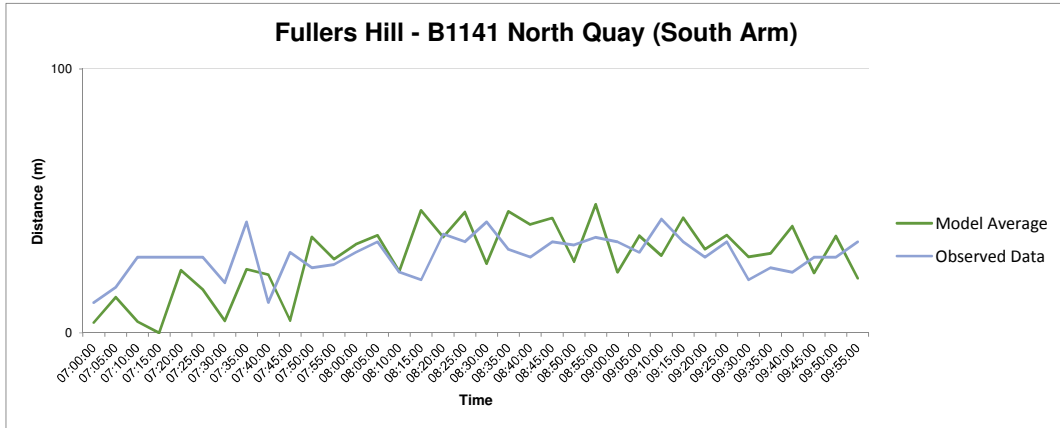
Queue Graphs

Junction Number 9  
AM Peak



Queue Graphs

Junction Number 1  
AM Period





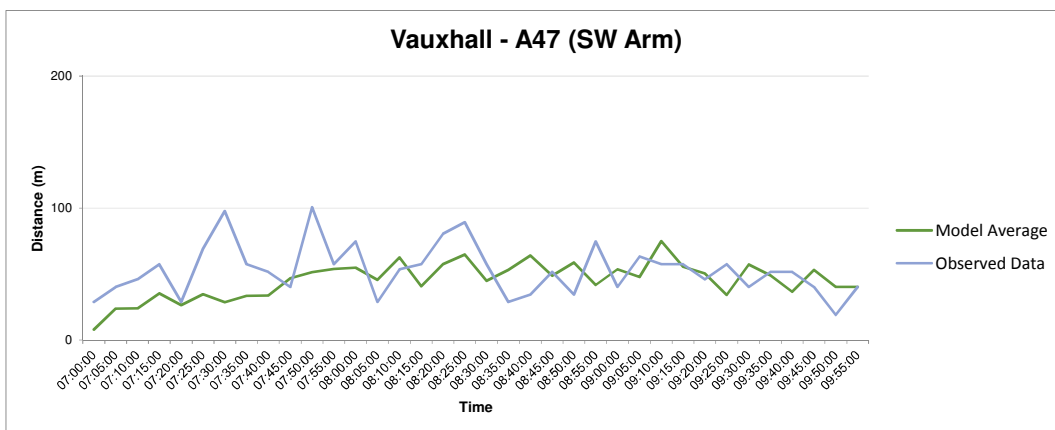
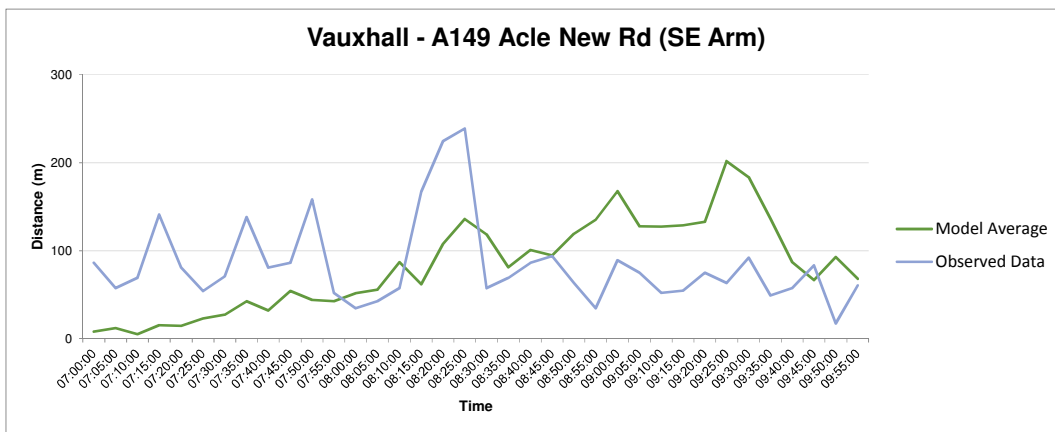
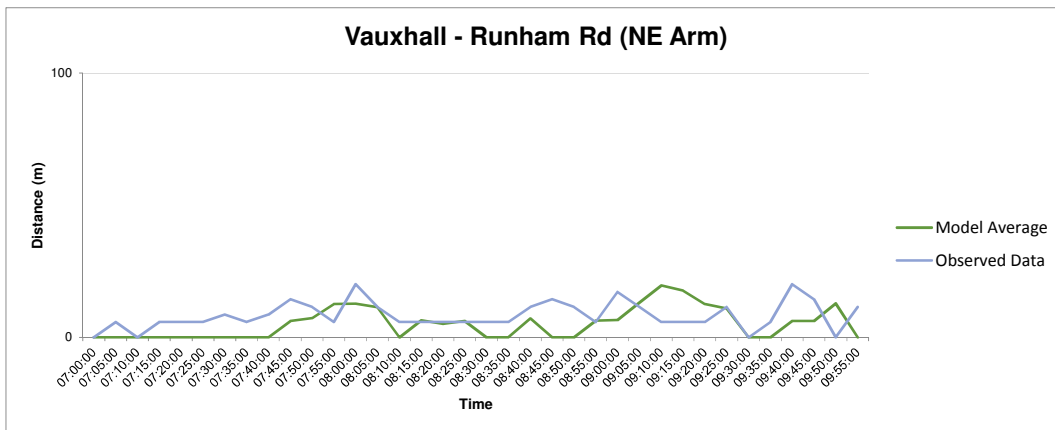
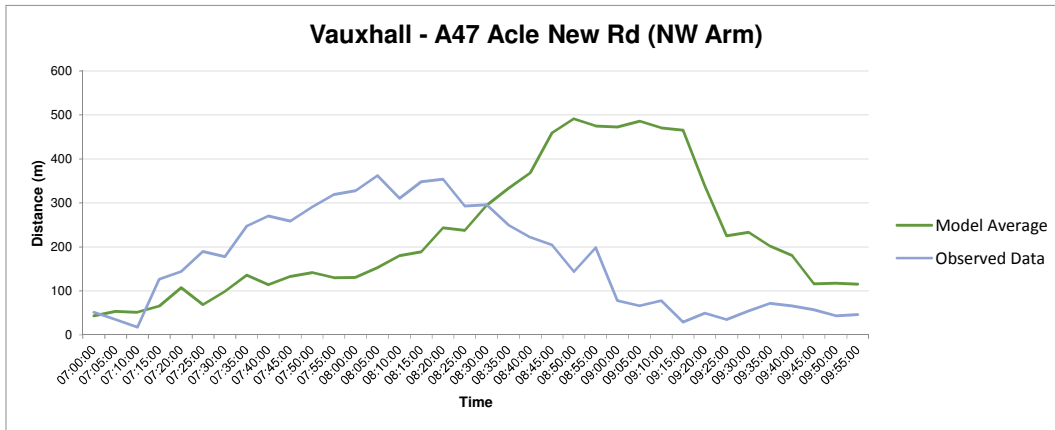
Queue Graphs

Junction Number 1  
AM Period



Queue Graphs

Junction Number 2  
AM Period





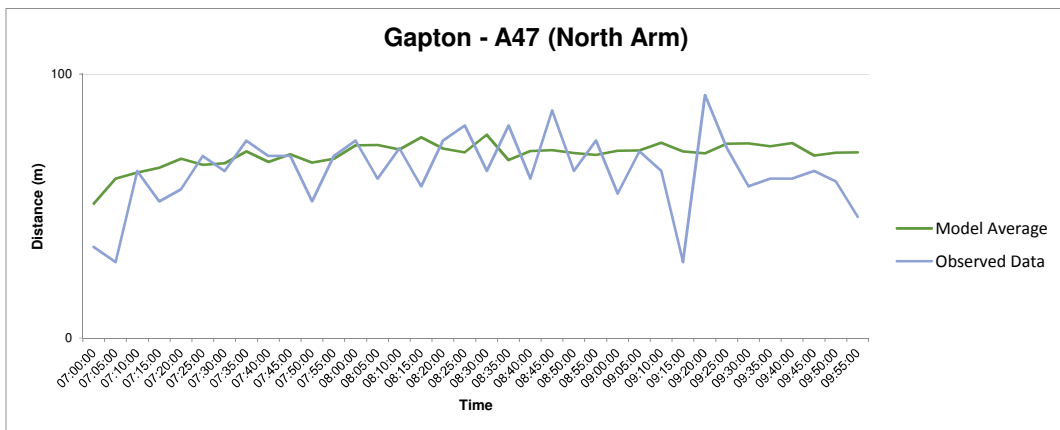
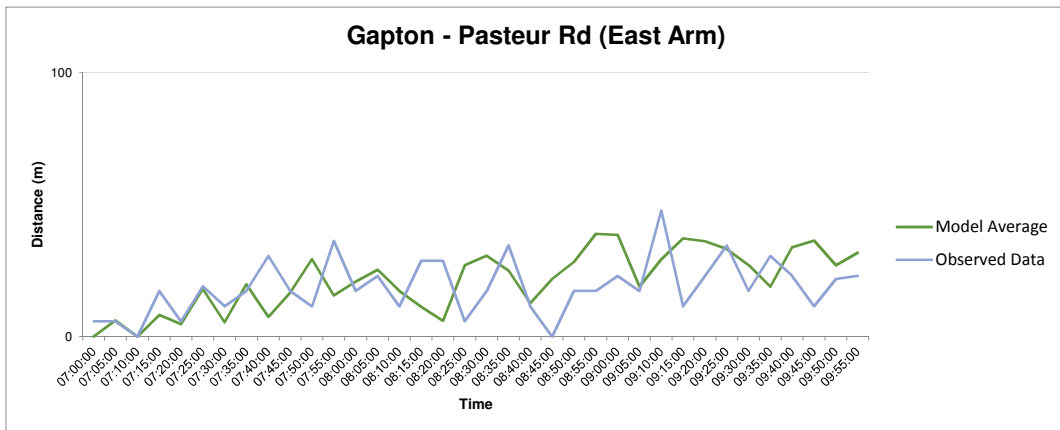
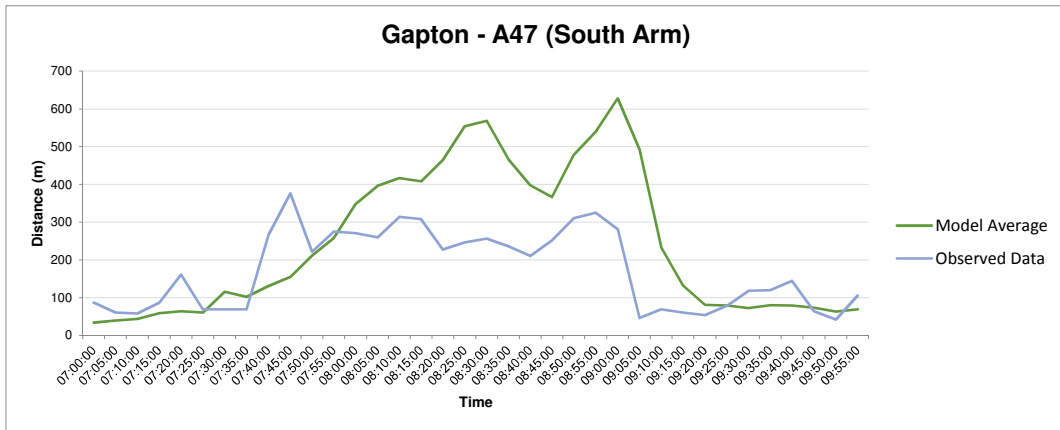
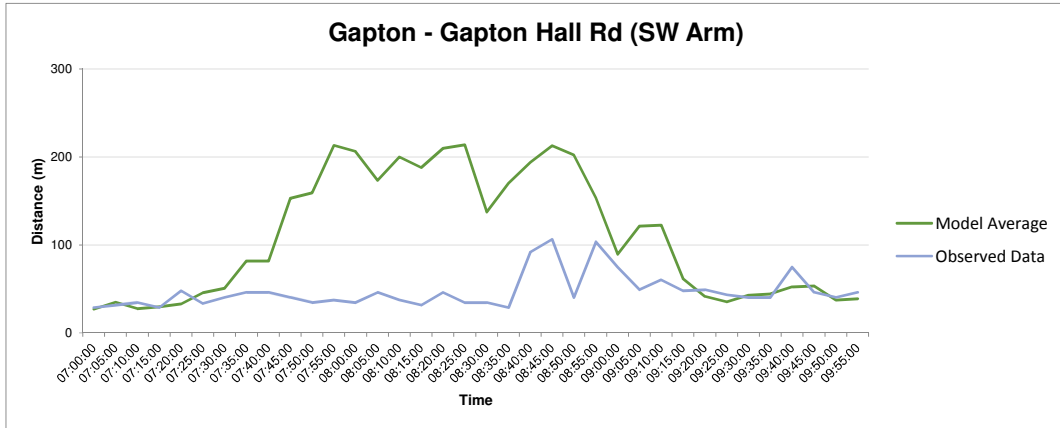
Queue Graphs

Junction Number 2  
AM Period



Queue Graphs

Junction Number 3  
AM Period







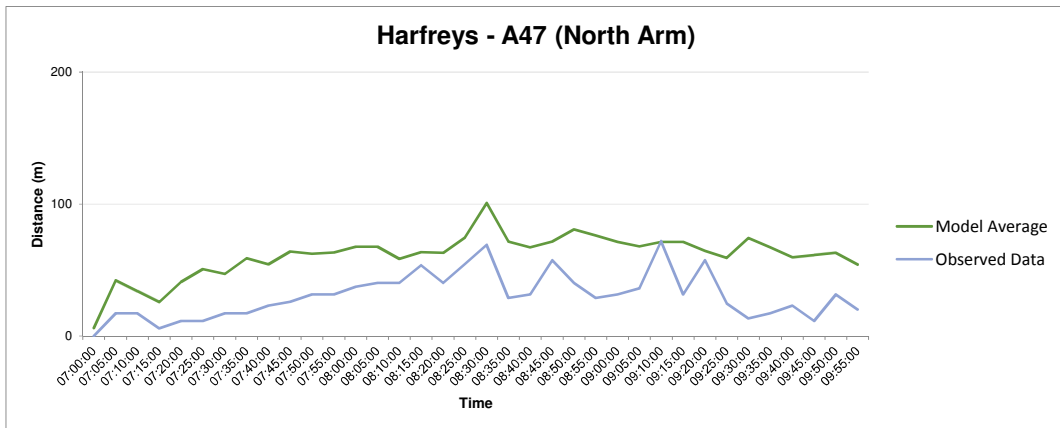
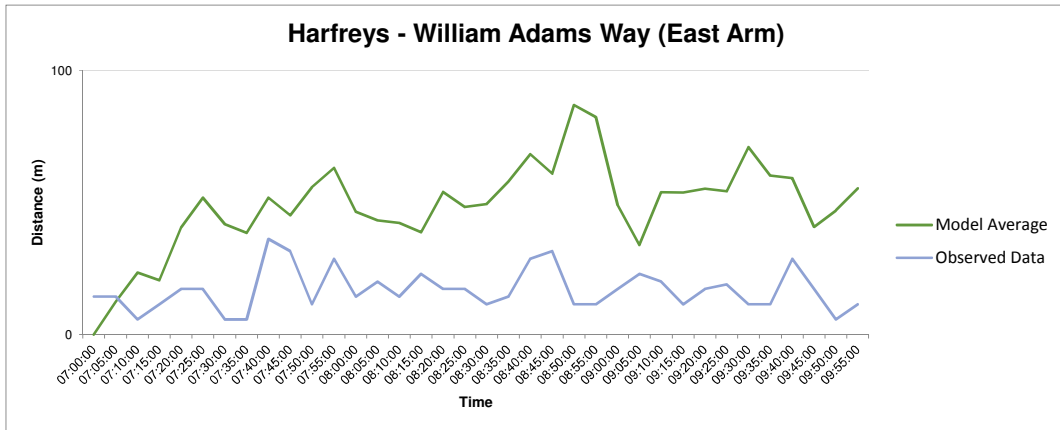
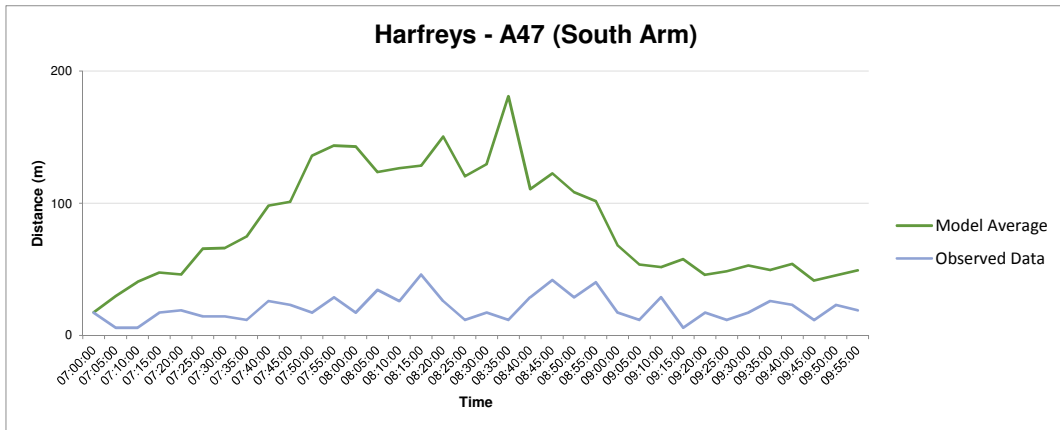
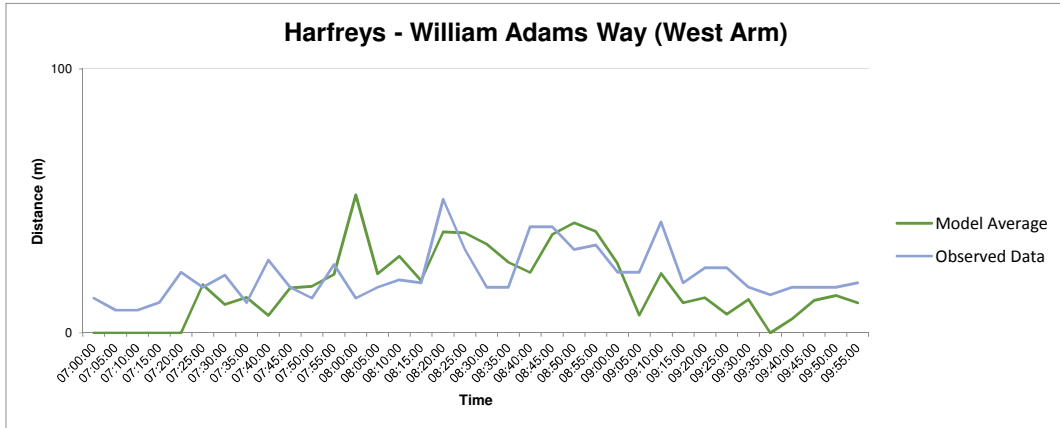
Queue Graphs

Junction Number 3  
AM Period



Queue Graphs

Junction Number 4  
AM Period





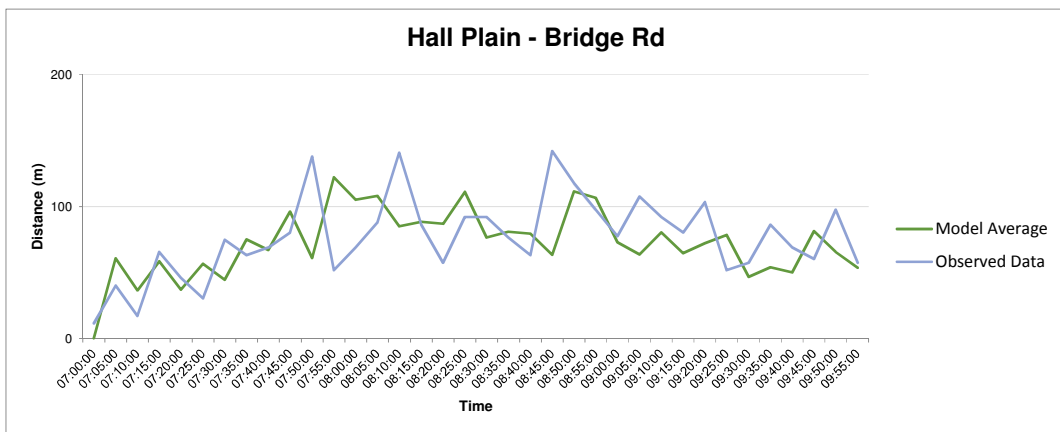
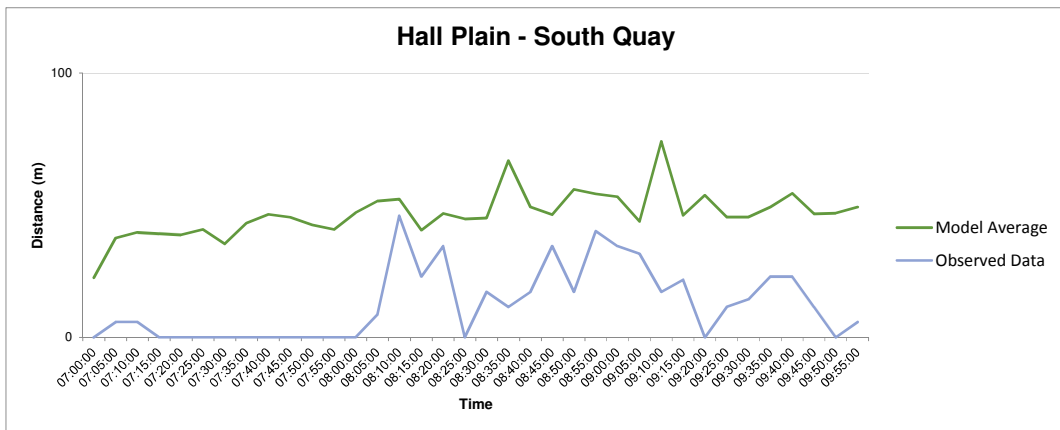
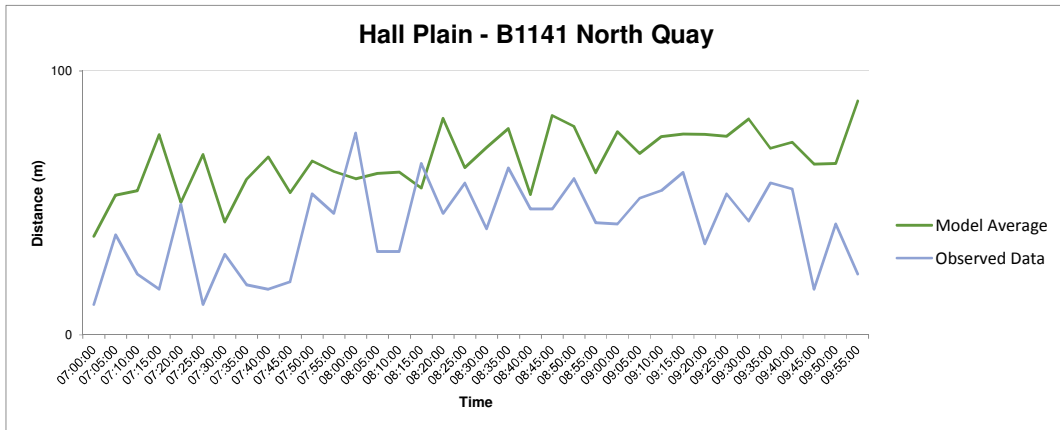
Queue Graphs

Junction Number 4  
AM Period



Queue Graphs

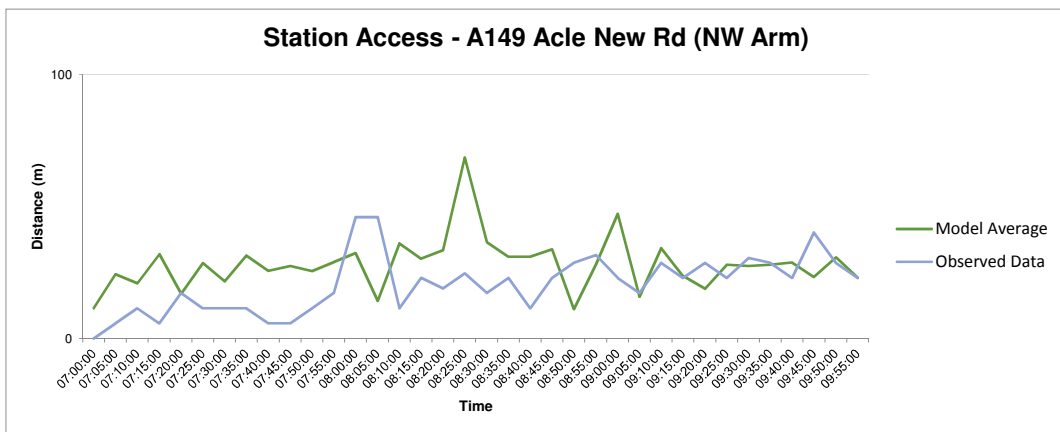
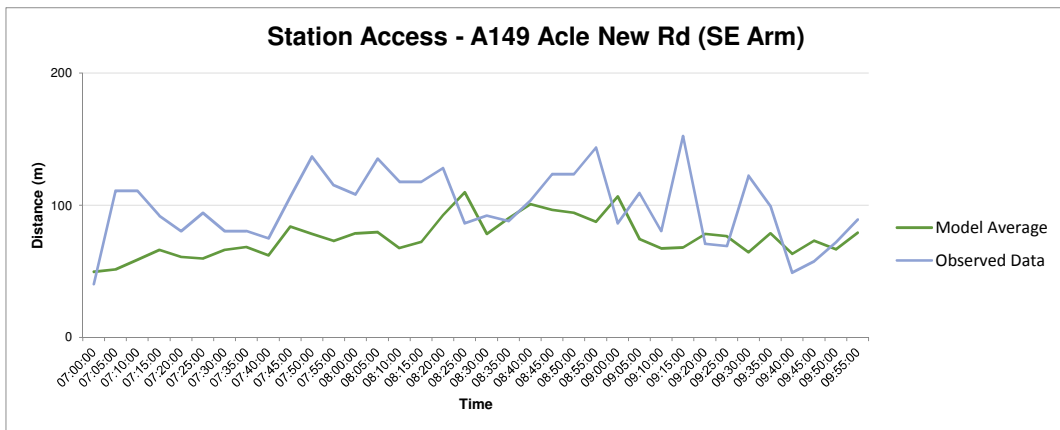
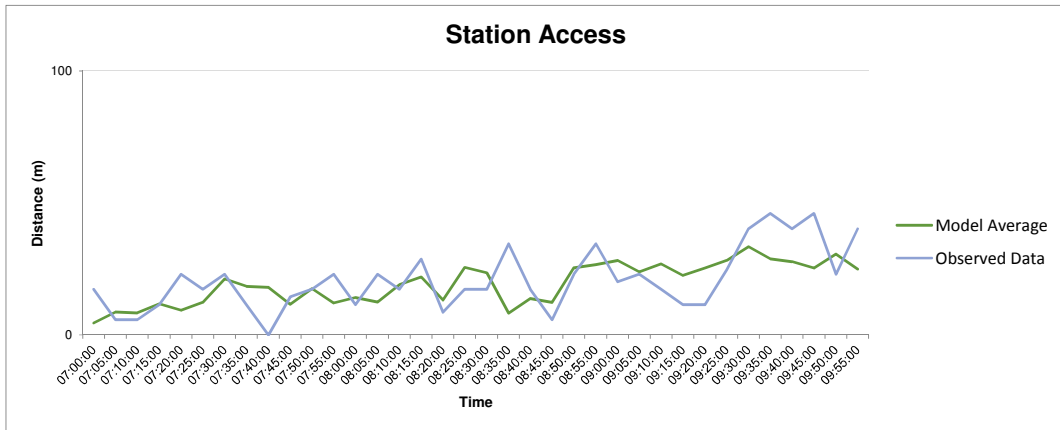
Junction Number 5  
AM Period





### Queue Graphs

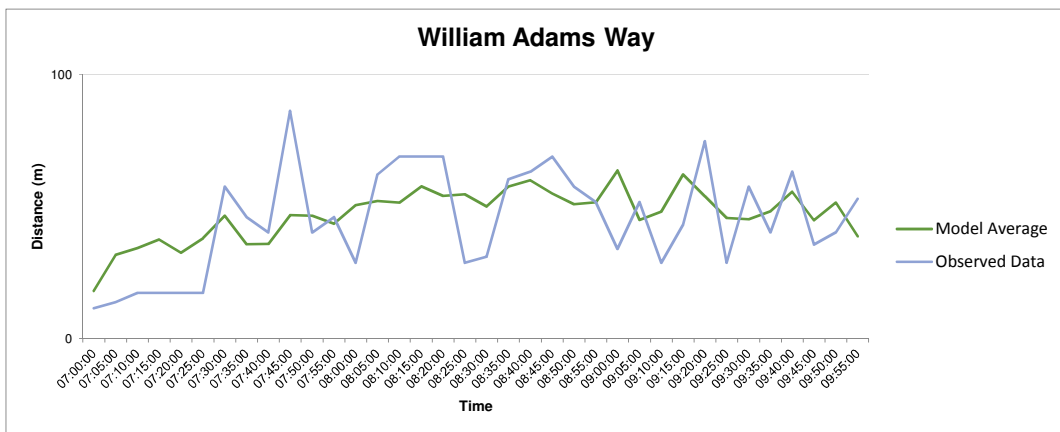
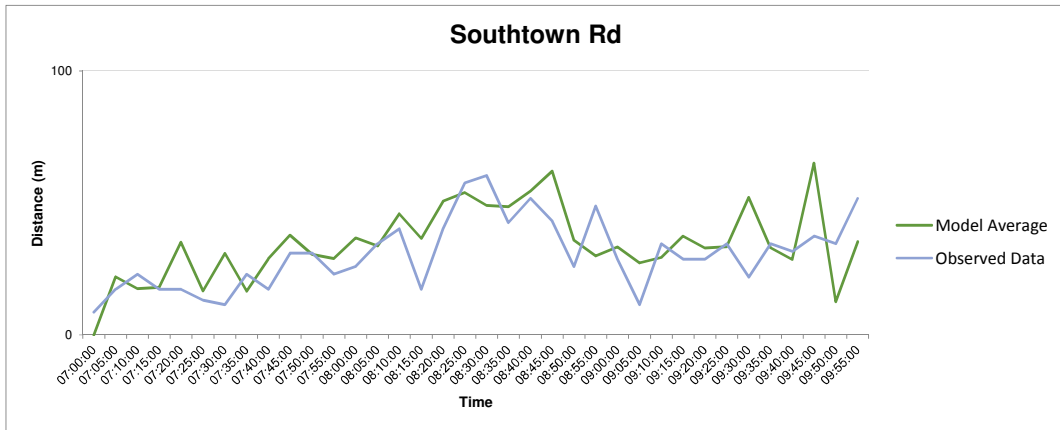
Junction Number 6  
AM Period





Queue Graphs

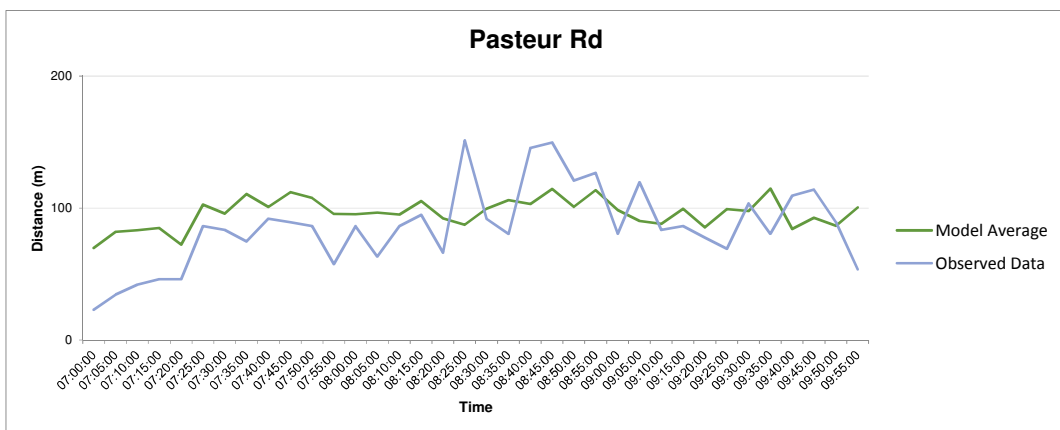
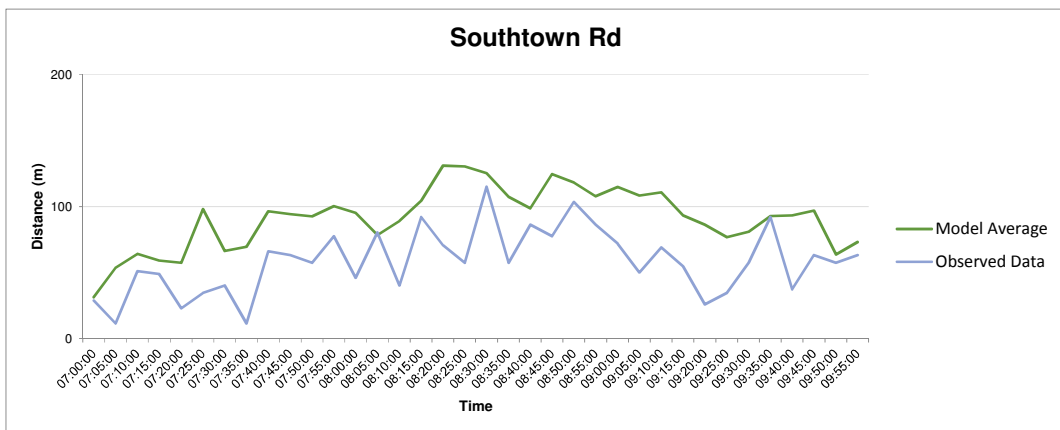
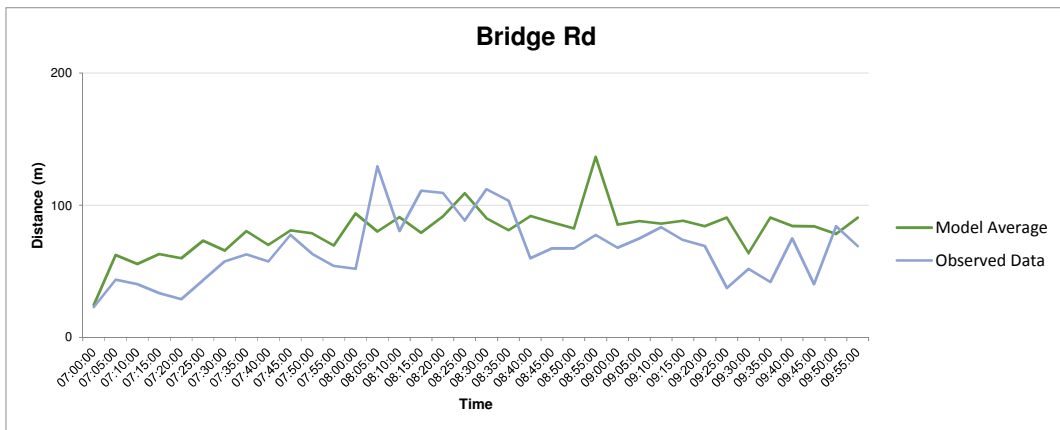
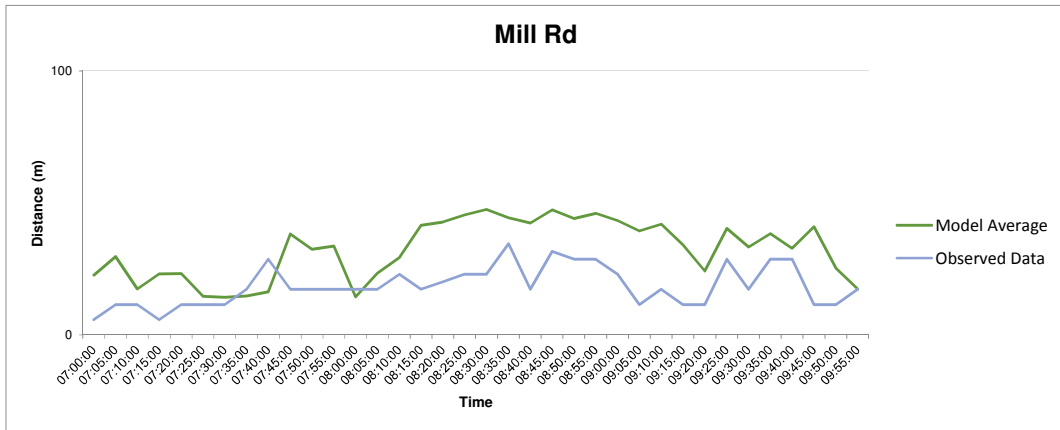
Junction Number 8  
AM Period





Queue Graphs

Junction Number 9  
AM Period





Queue Graphs

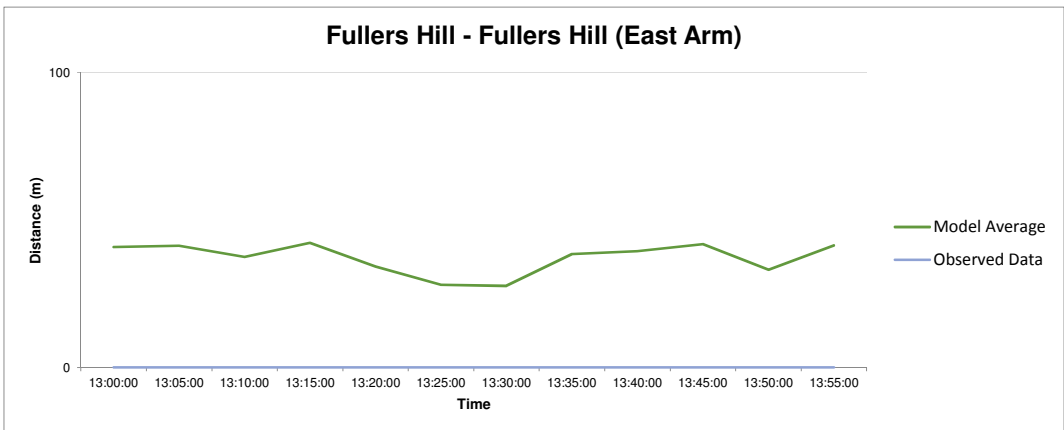
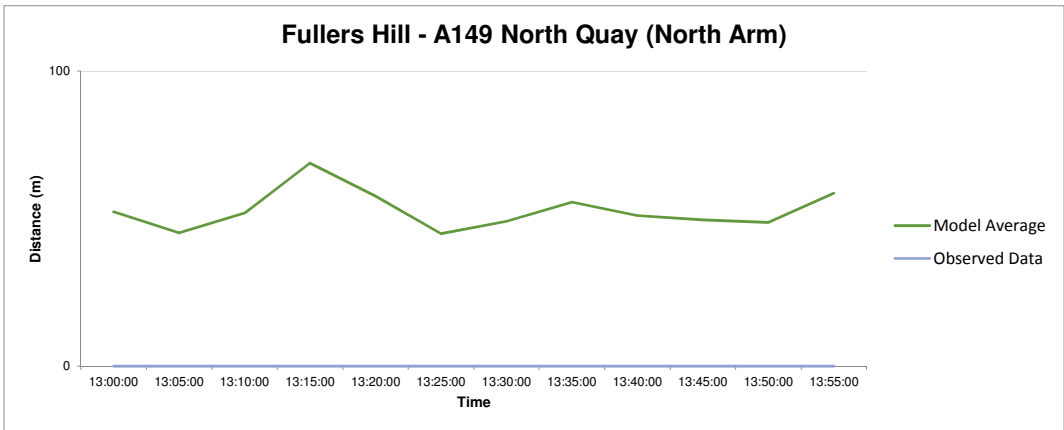
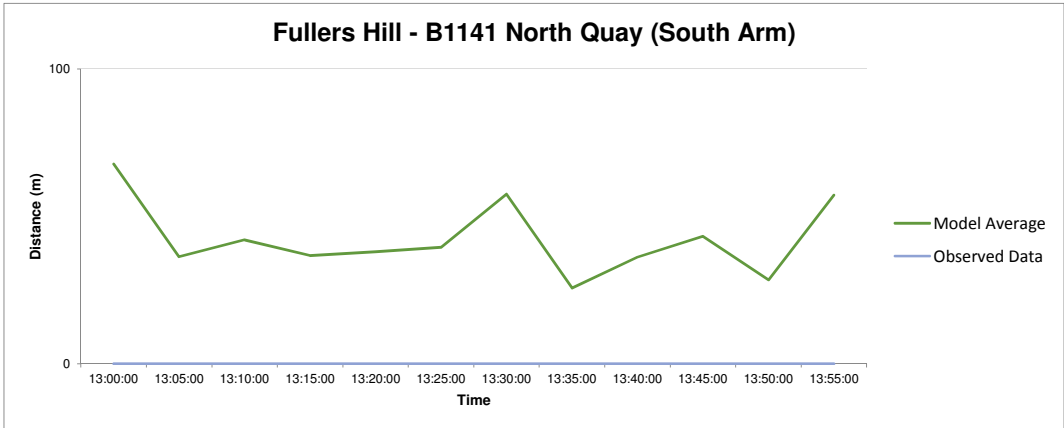
Junction Number 9  
AM Period





Queue Graphs

Junction Number 1  
IP Peak





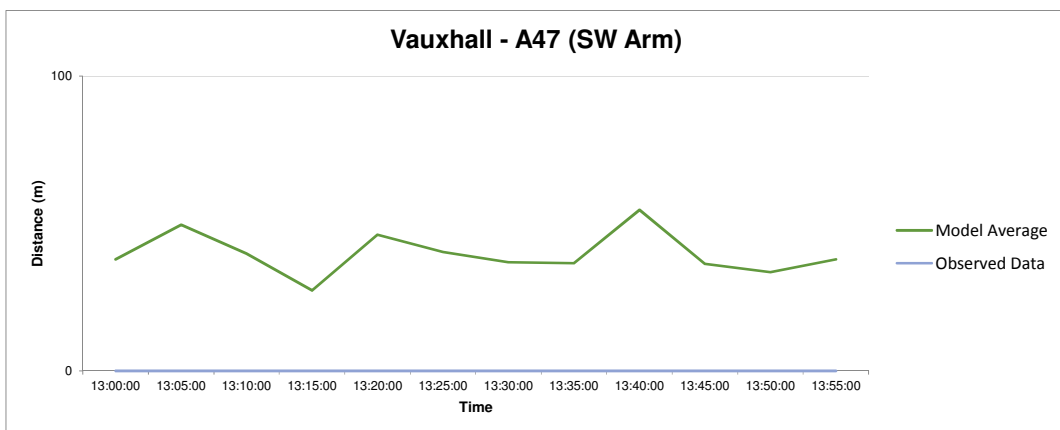
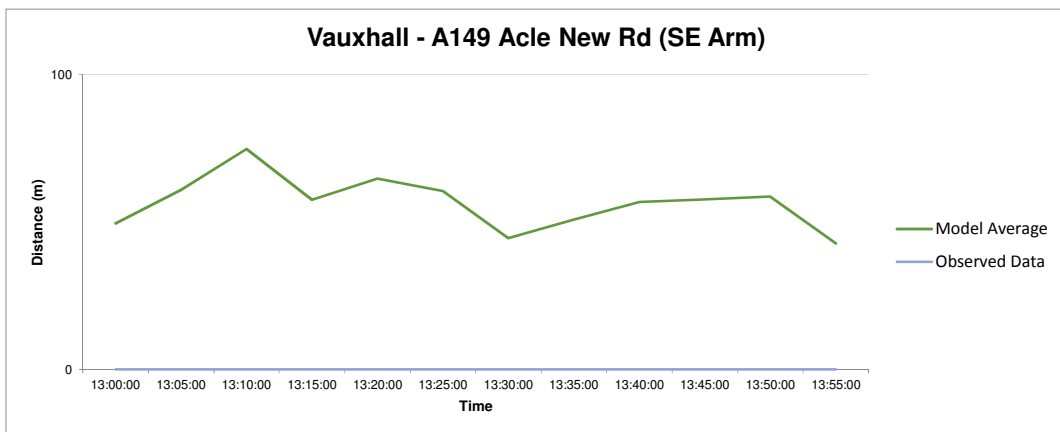
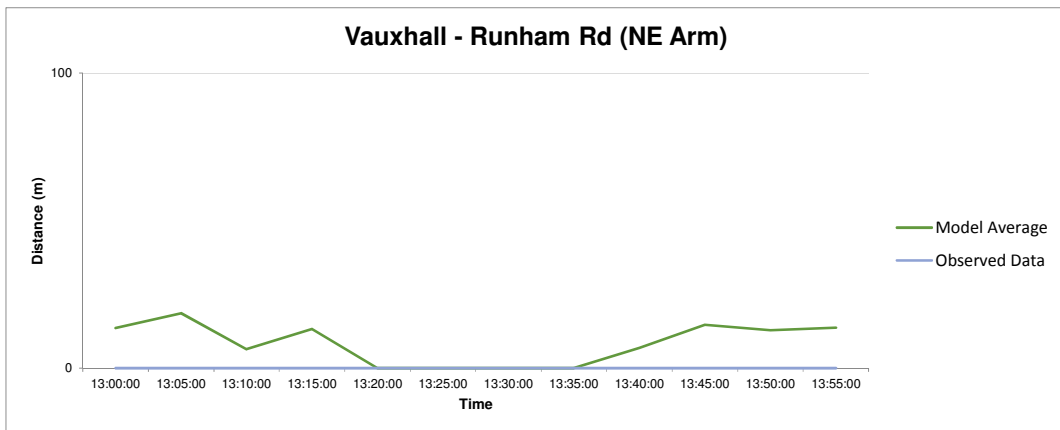
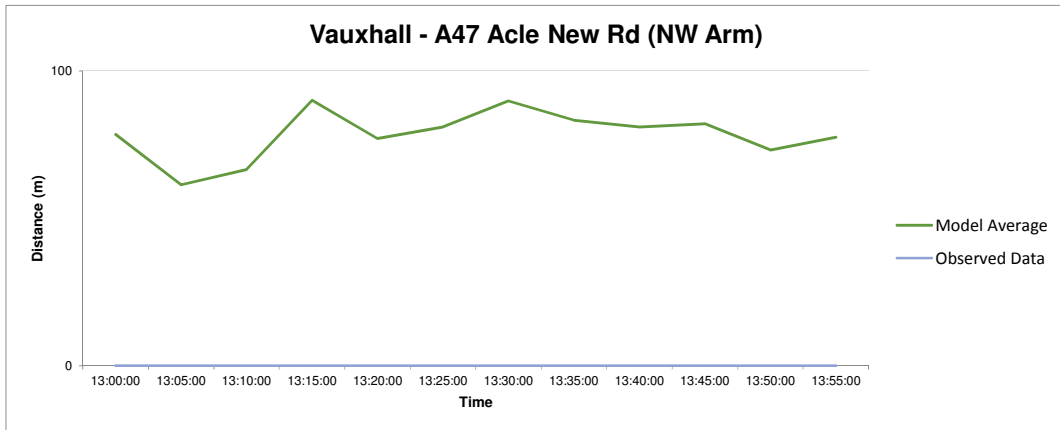
Queue Graphs

Junction Number 1  
IP Peak



Queue Graphs

Junction Number 2  
IP Peak





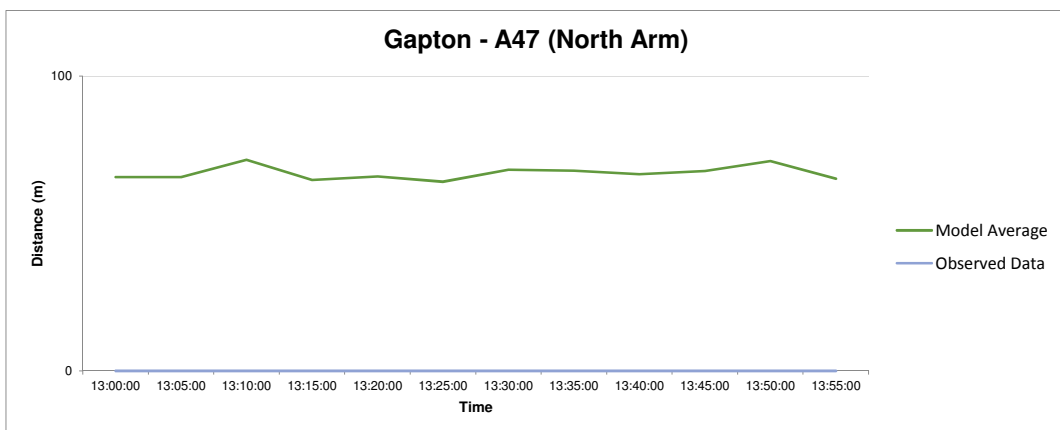
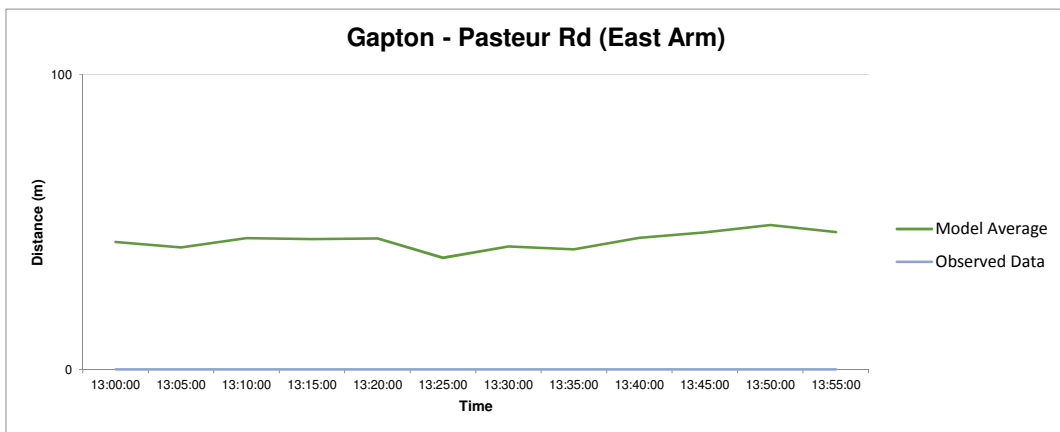
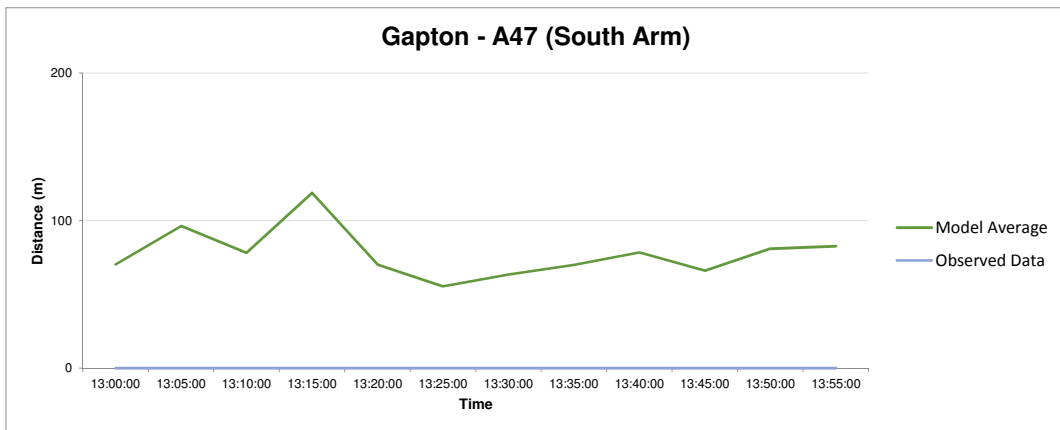
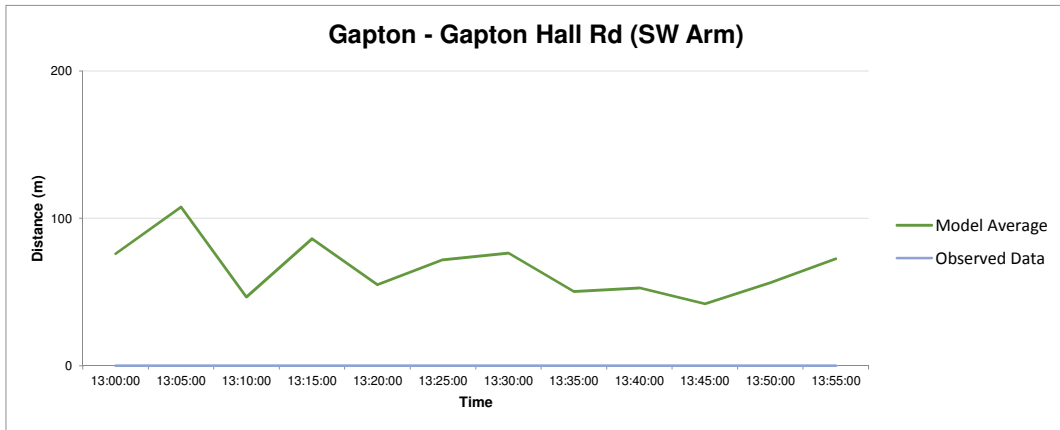
Queue Graphs

Junction Number 2  
IP Peak



Queue Graphs

Junction Number 3  
IP Peak





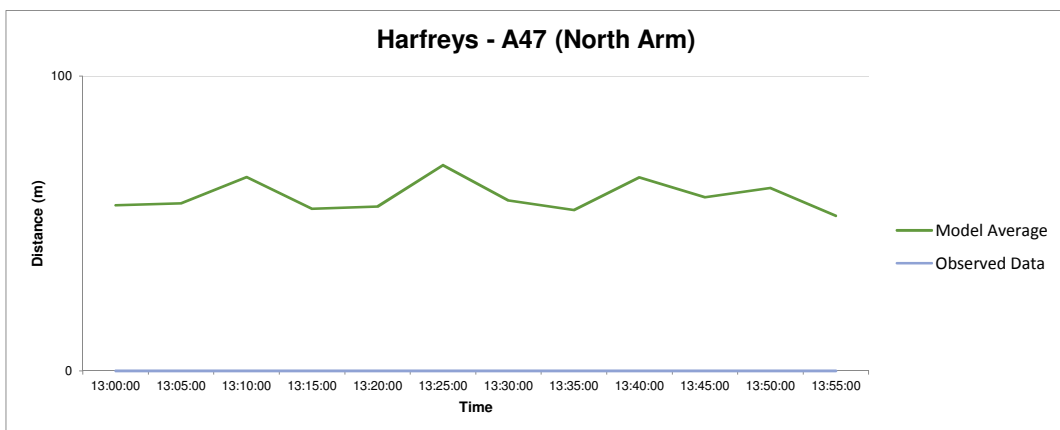
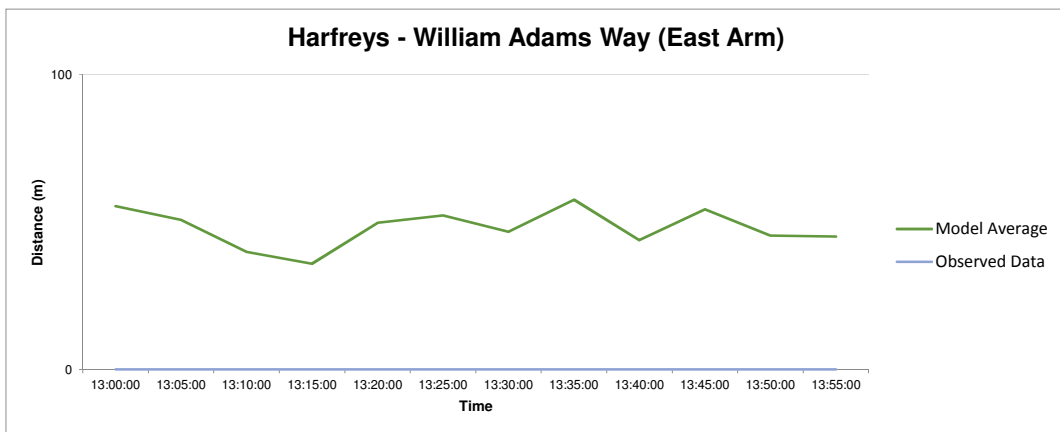
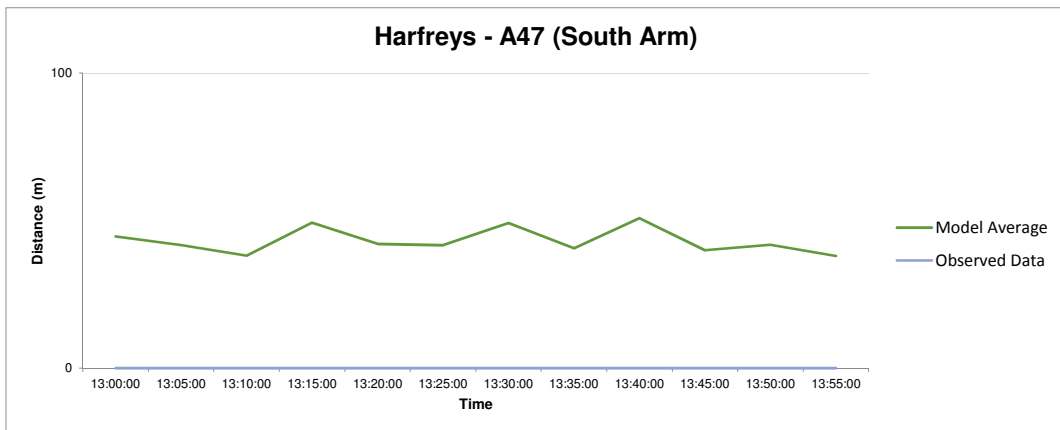
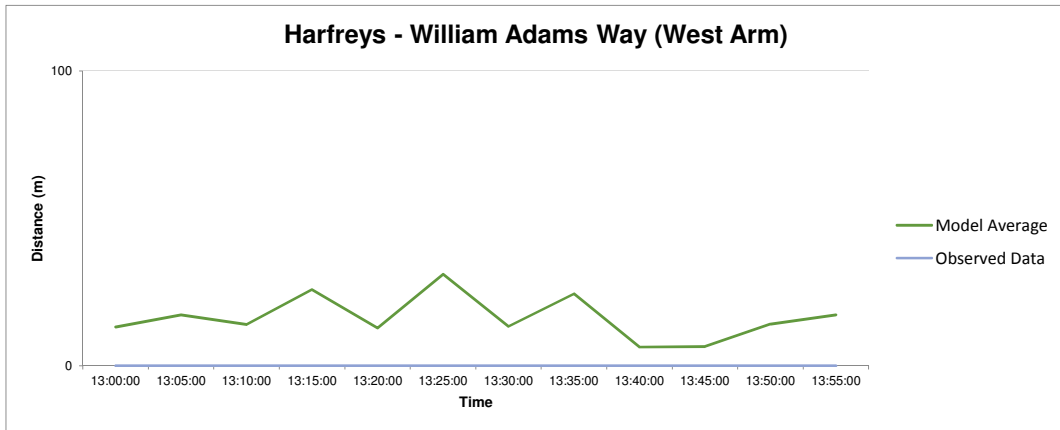
Queue Graphs

Junction Number 3  
IP Peak



Queue Graphs

Junction Number 4  
IP Peak





Queue Graphs

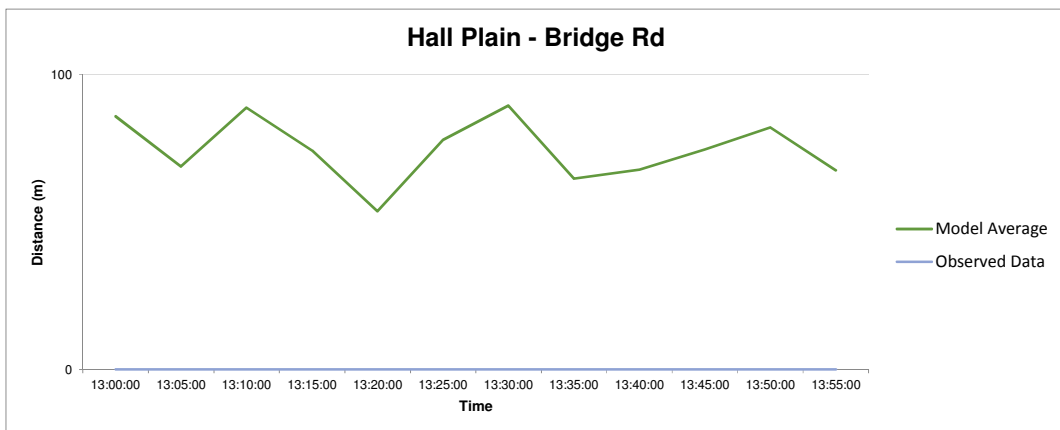
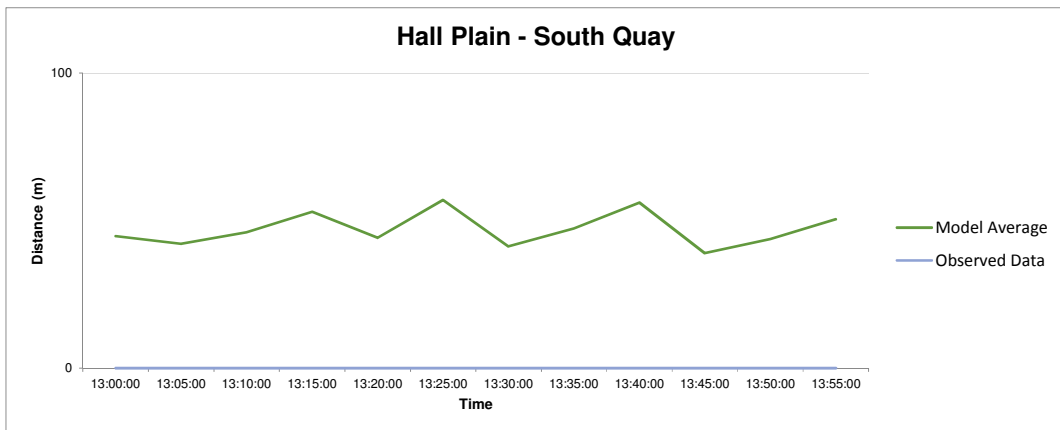
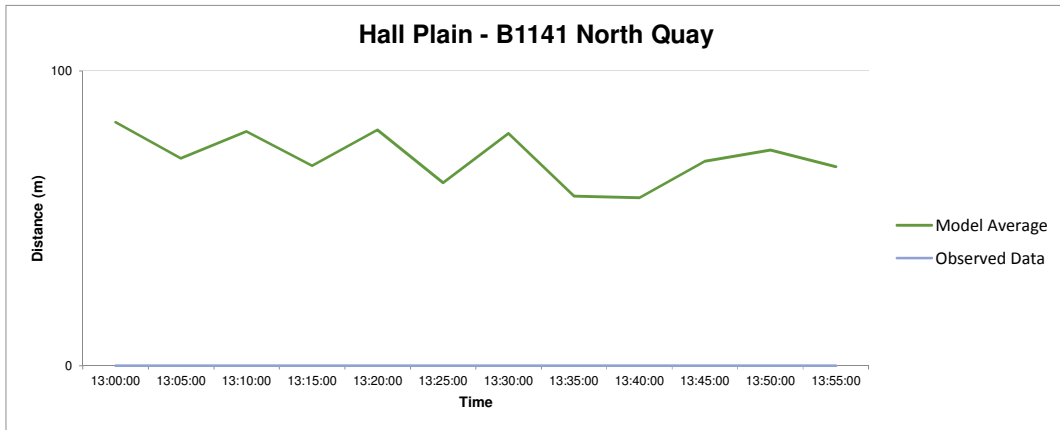
Junction Number 4  
IP Peak





Queue Graphs

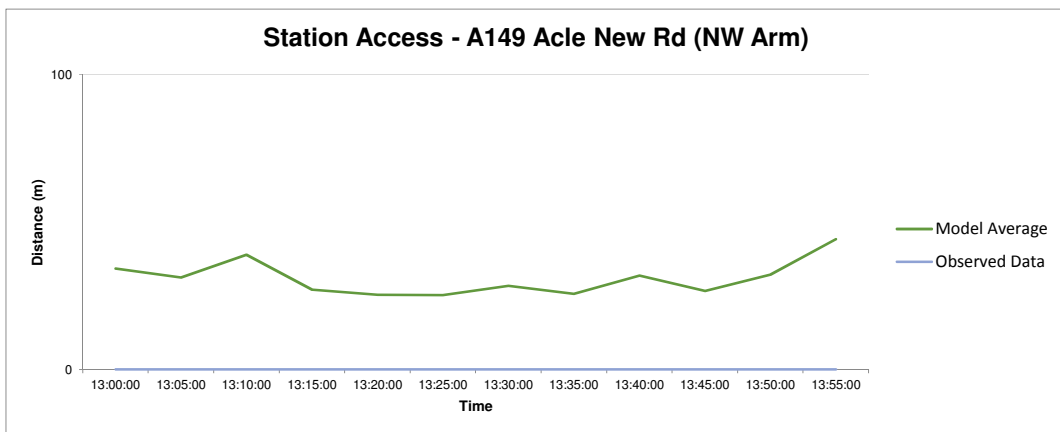
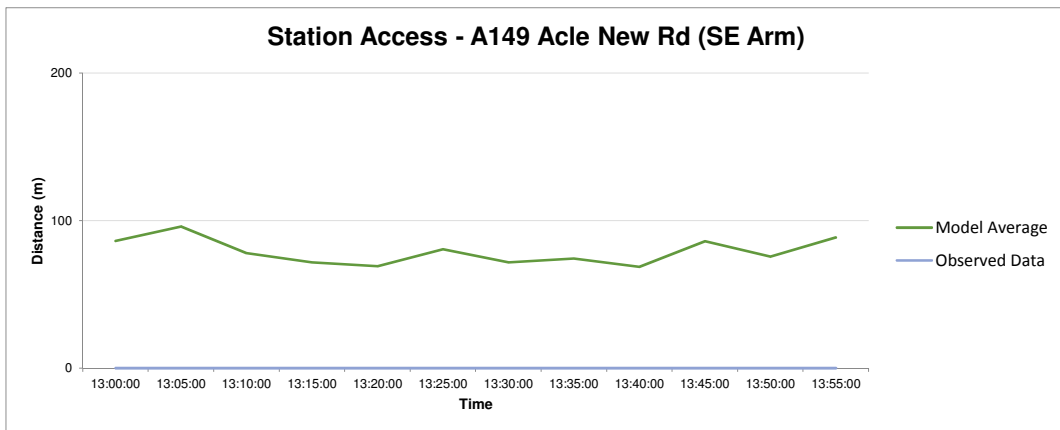
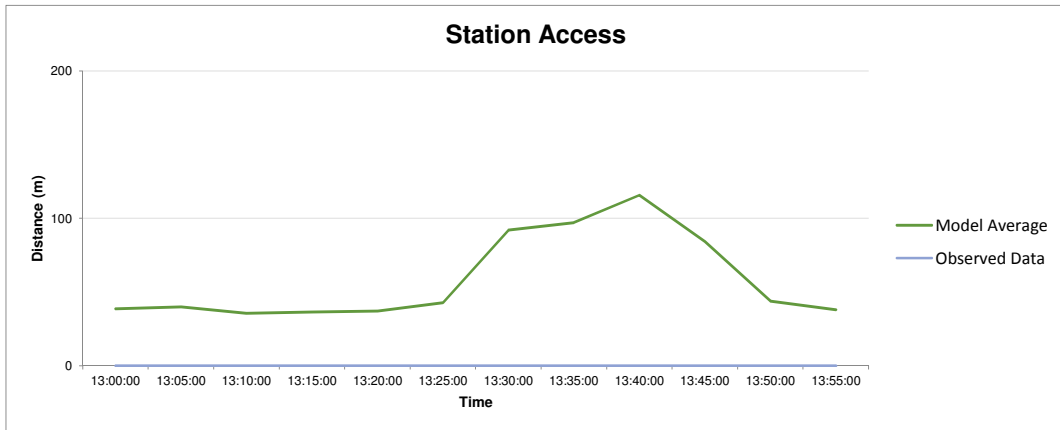
Junction Number 5  
IP Peak





### Queue Graphs

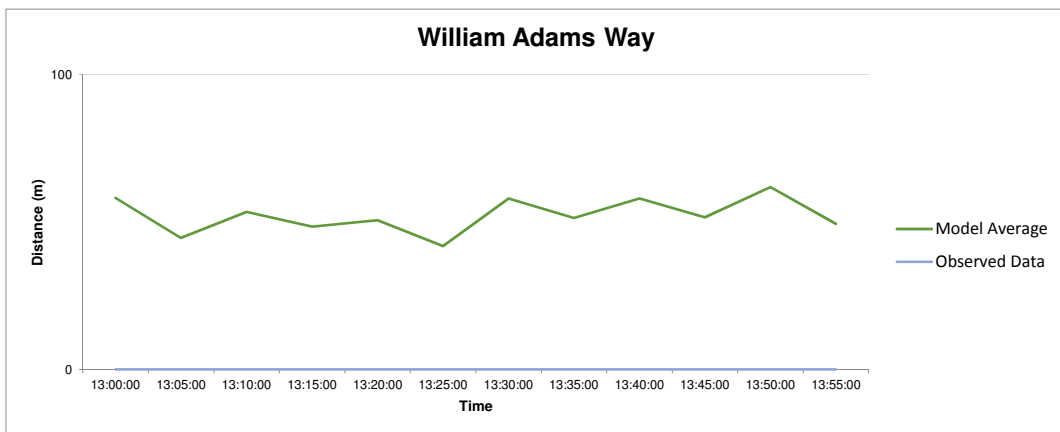
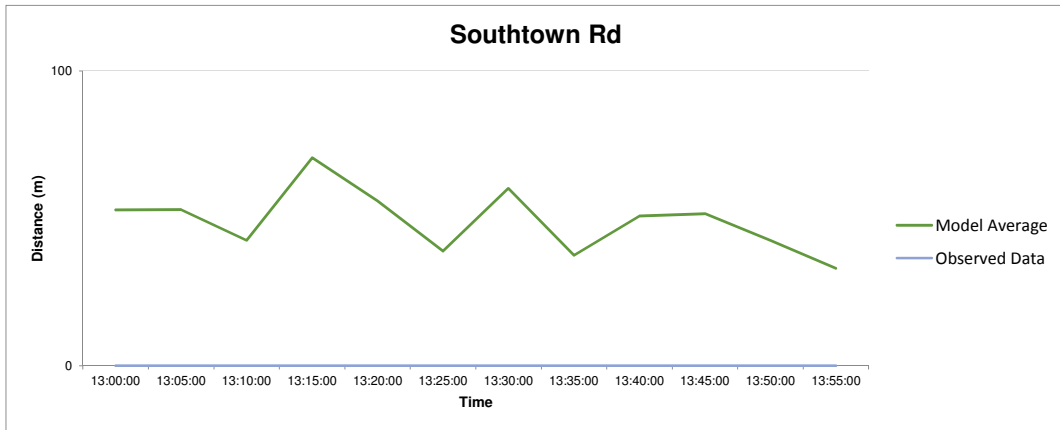
Junction Number 6  
IP Peak





Queue Graphs

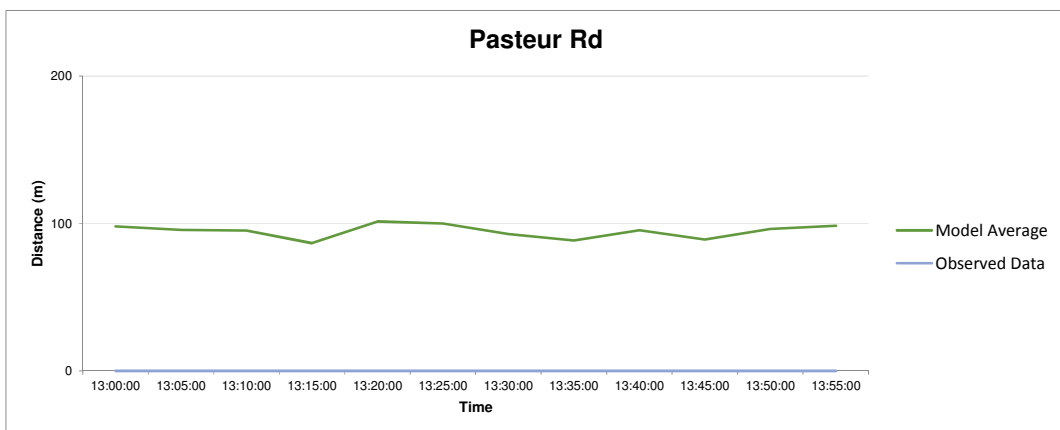
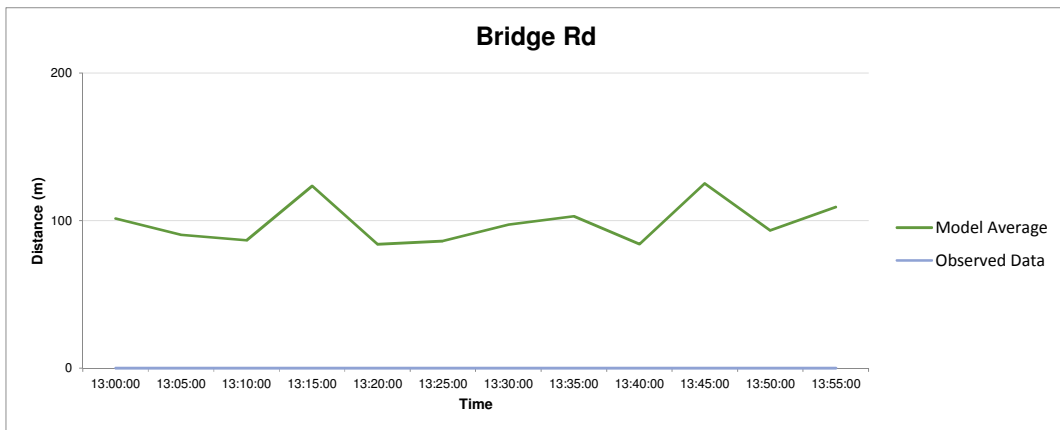
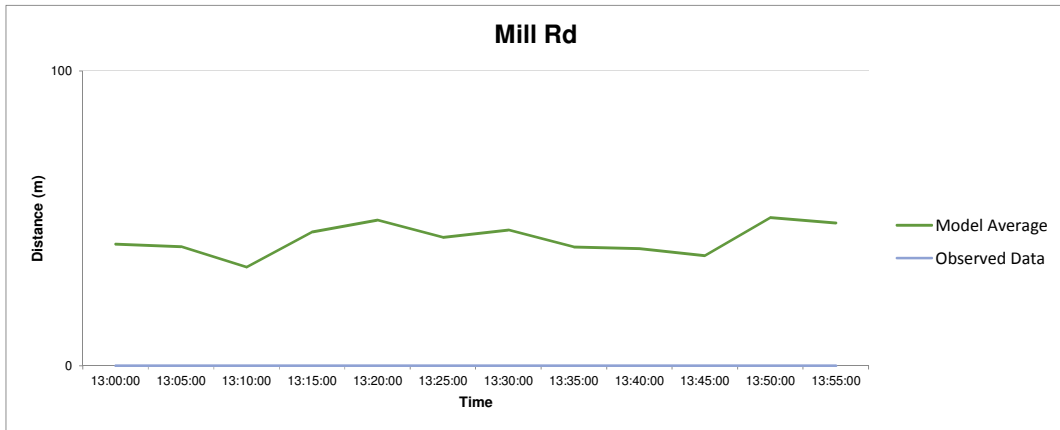
Junction Number 8  
IP Peak





Queue Graphs

Junction Number 9  
IP Peak





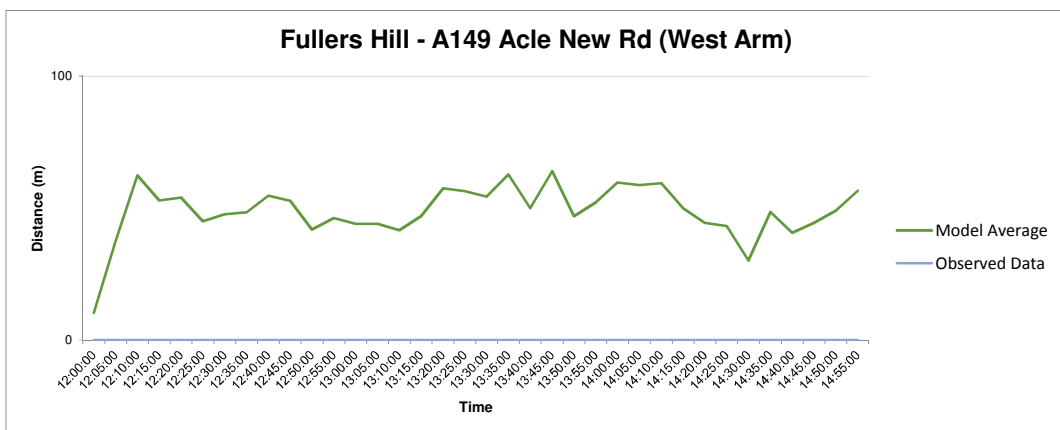
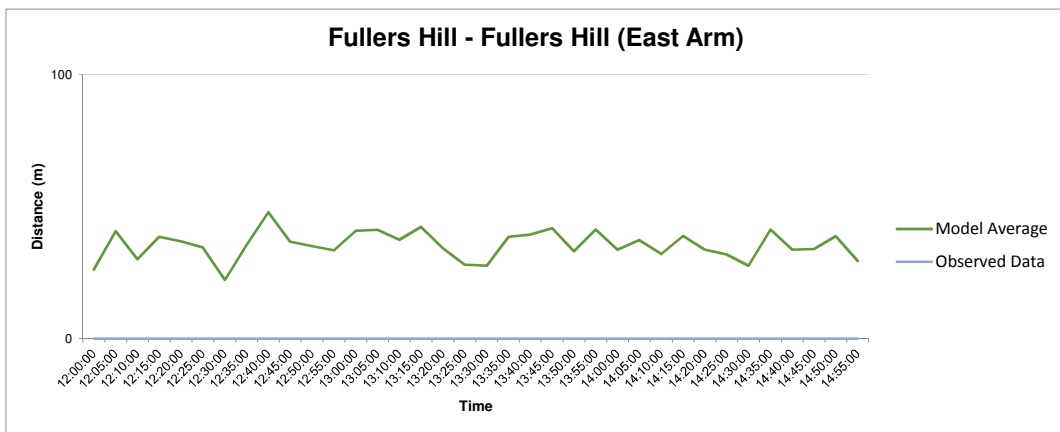
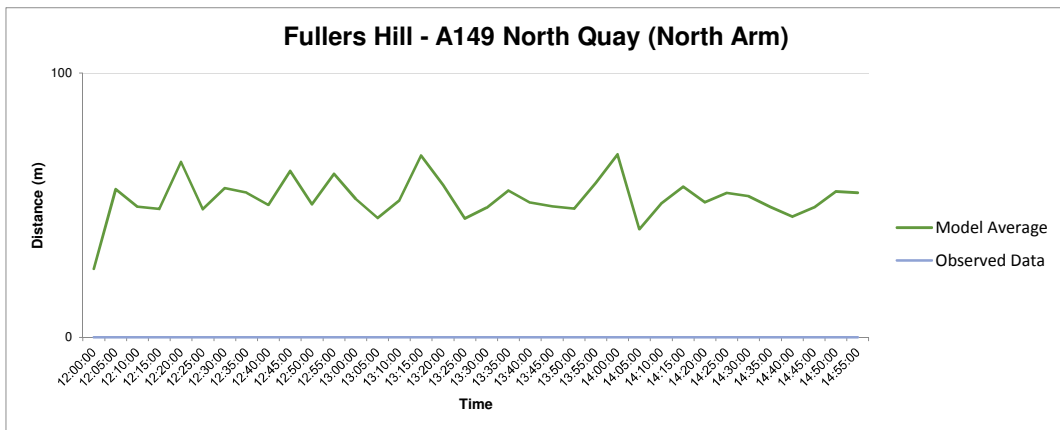
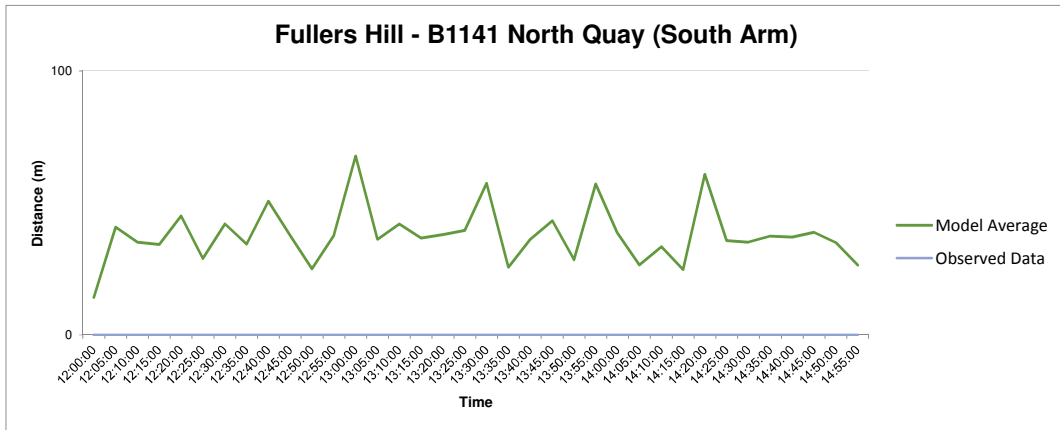
Queue Graphs

Junction Number 9  
IP Peak



Queue Graphs

Junction Number 1  
IP Period





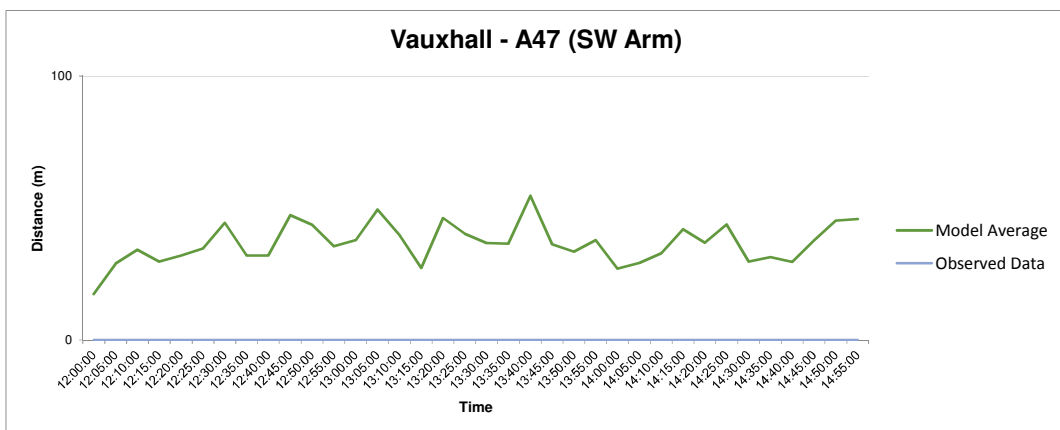
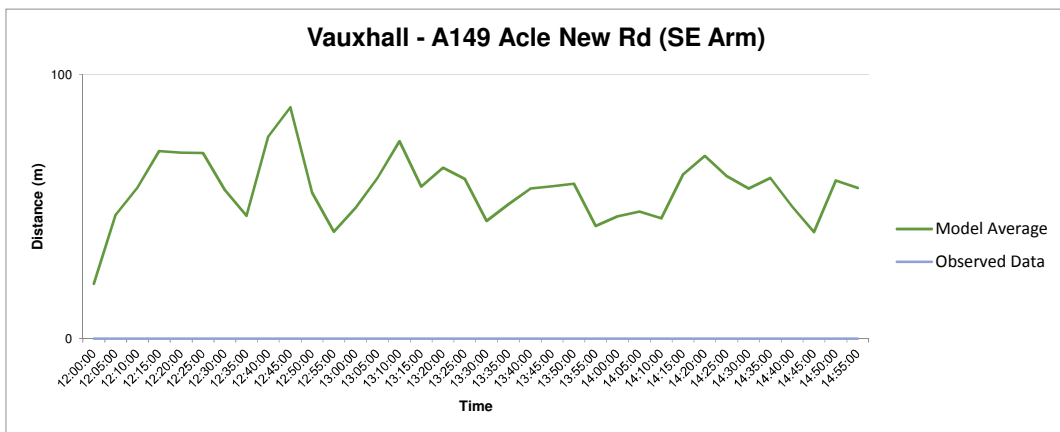
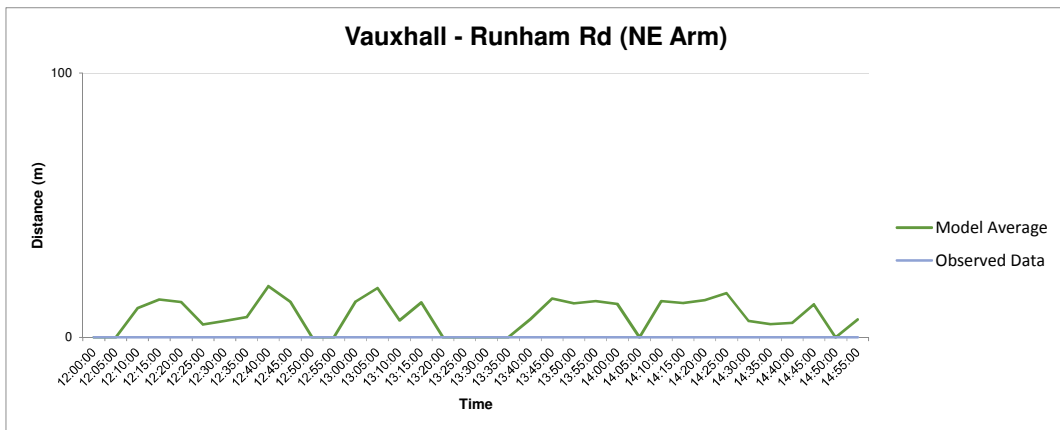
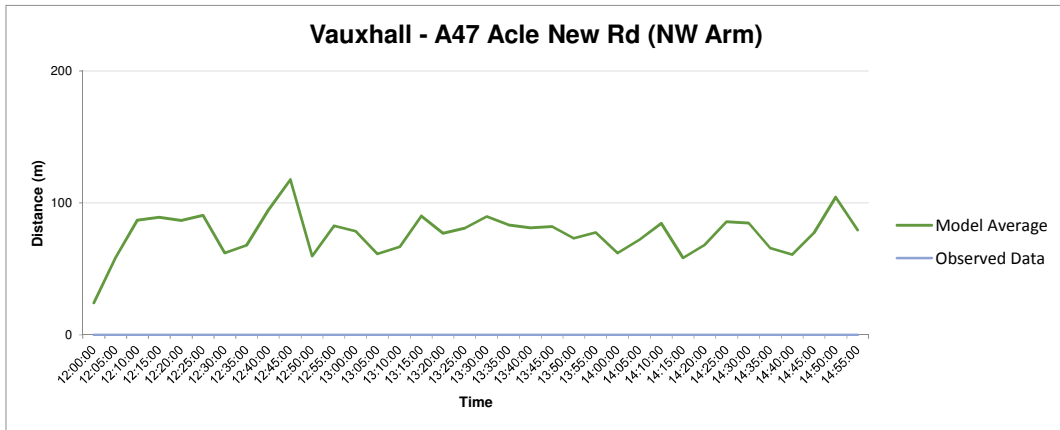
Queue Graphs

Junction Number 1  
IP Period



Queue Graphs

Junction Number 2  
IP Period







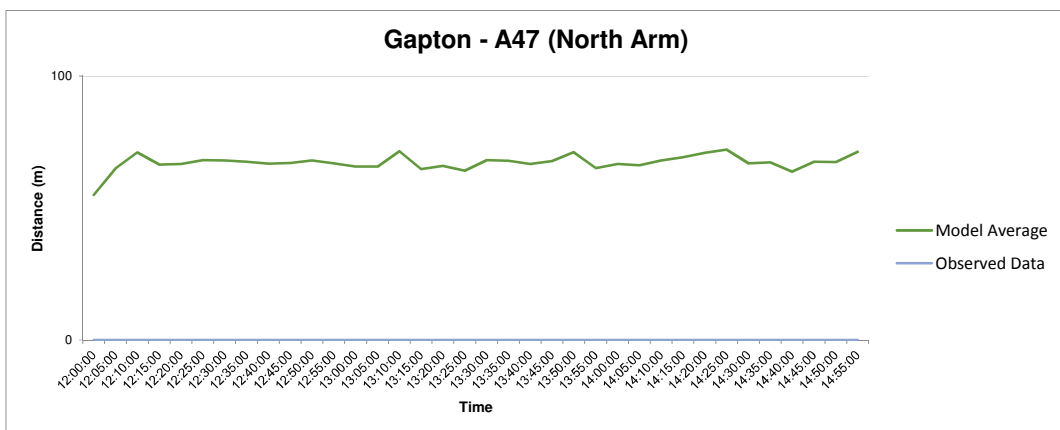
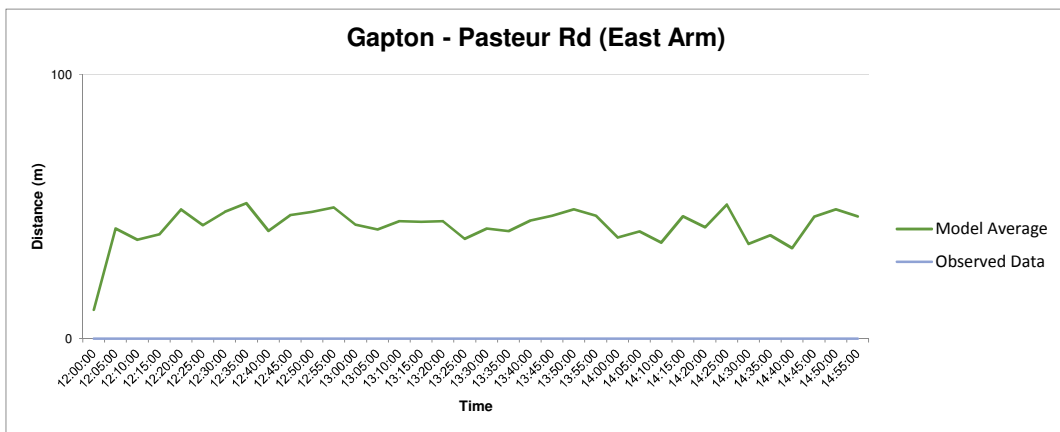
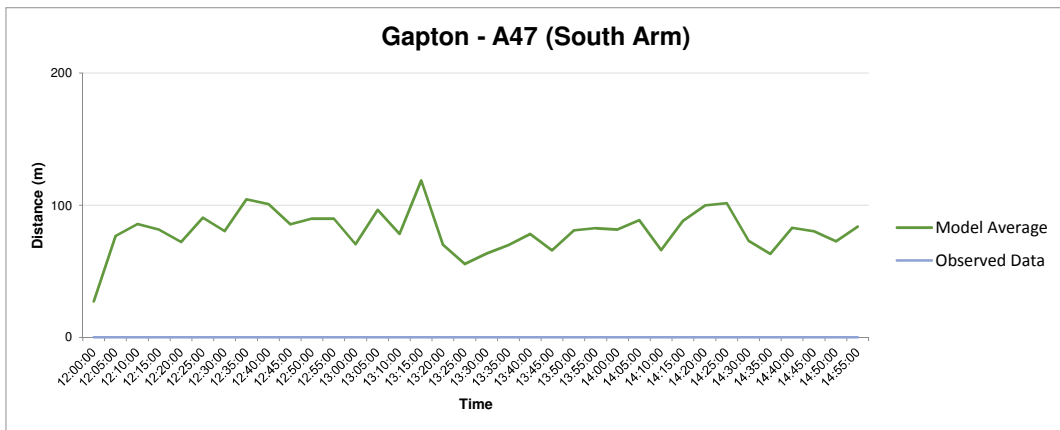
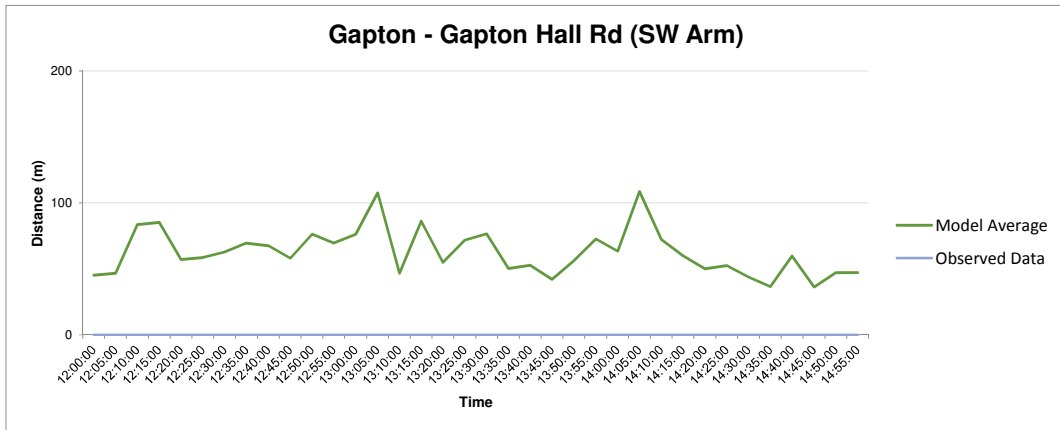
Queue Graphs

Junction Number 2  
IP Period



### Queue Graphs

Junction Number 3  
IP Period





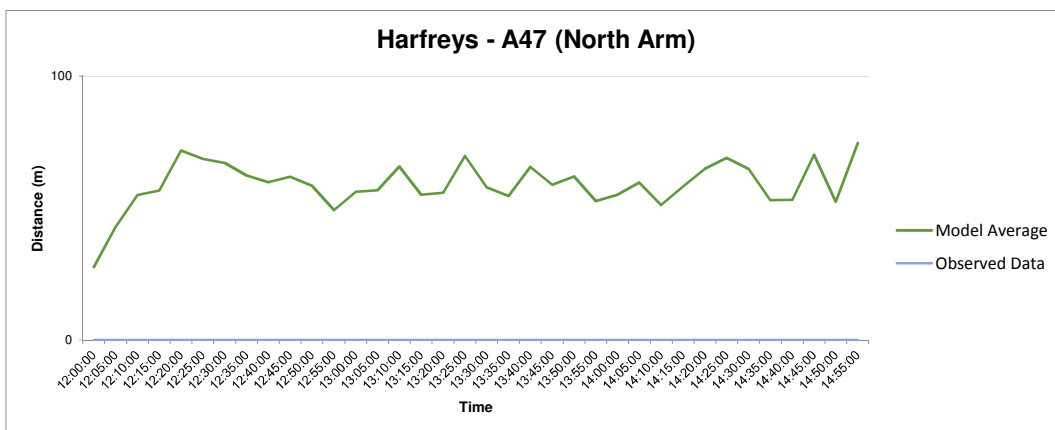
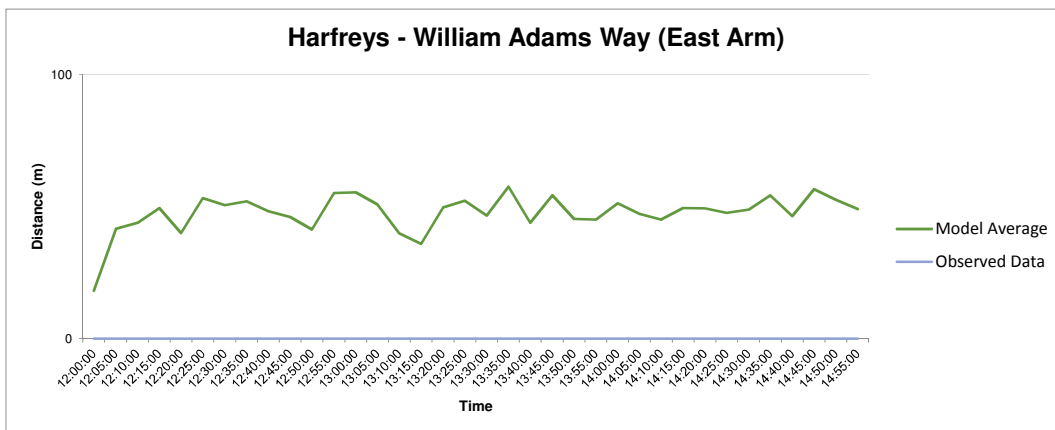
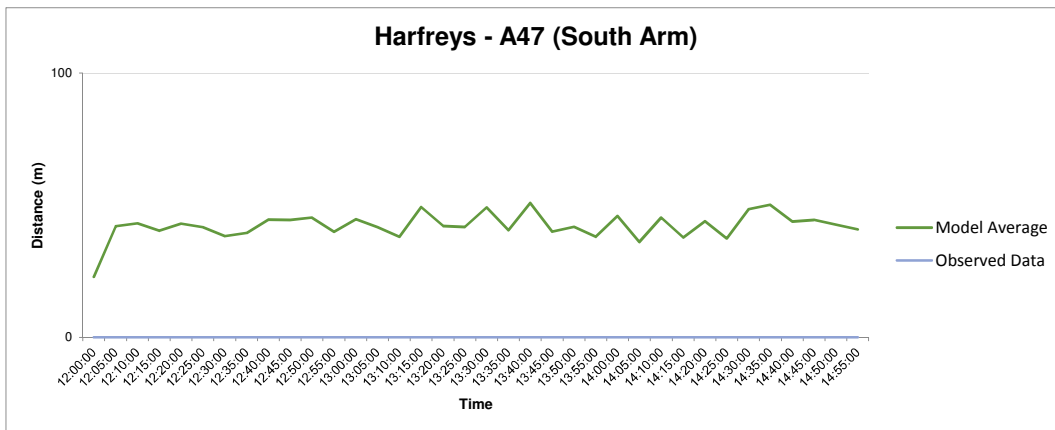
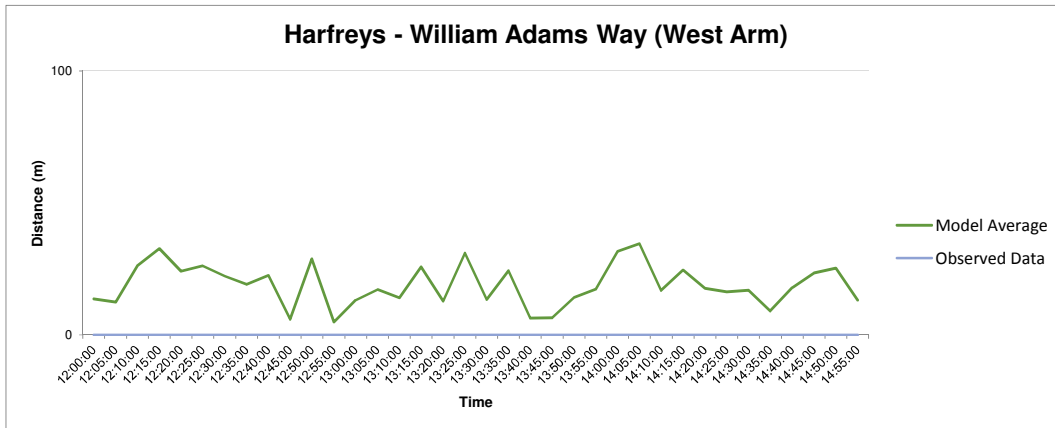
Queue Graphs

Junction Number 3  
IP Period



Queue Graphs

Junction Number 4  
IP Period





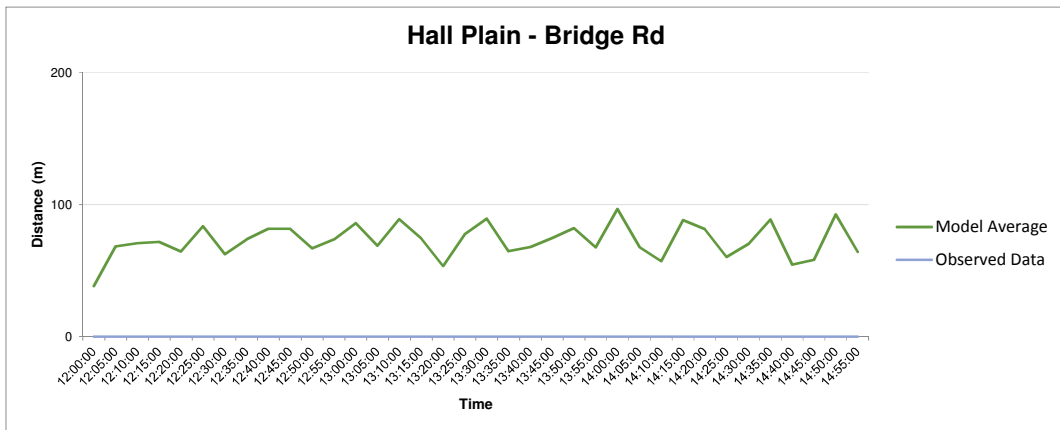
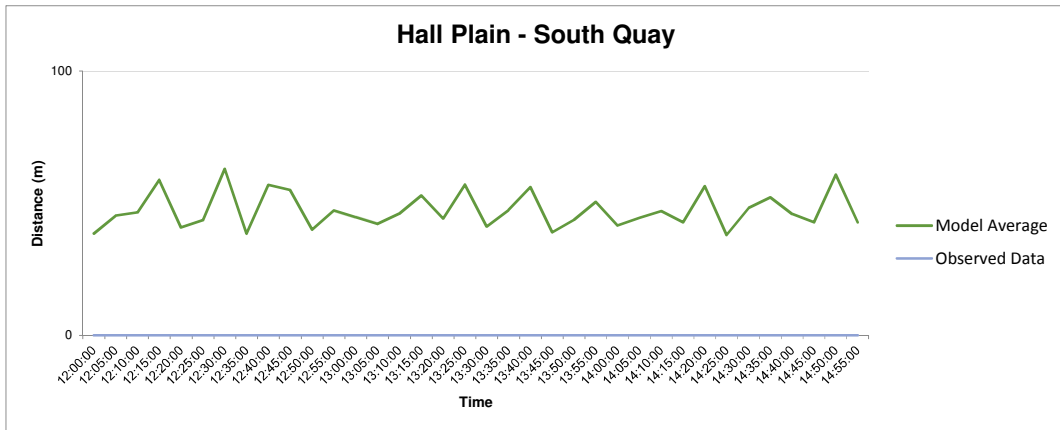
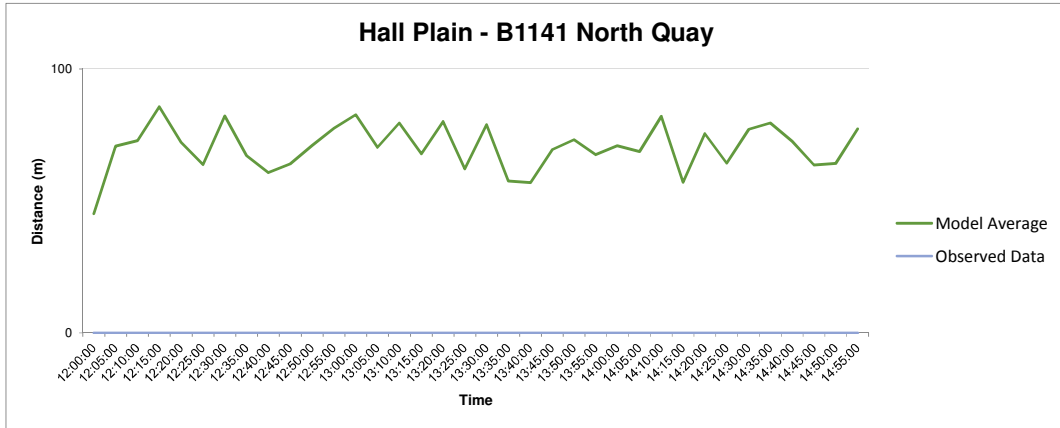
Queue Graphs

Junction Number 4  
IP Period



Queue Graphs

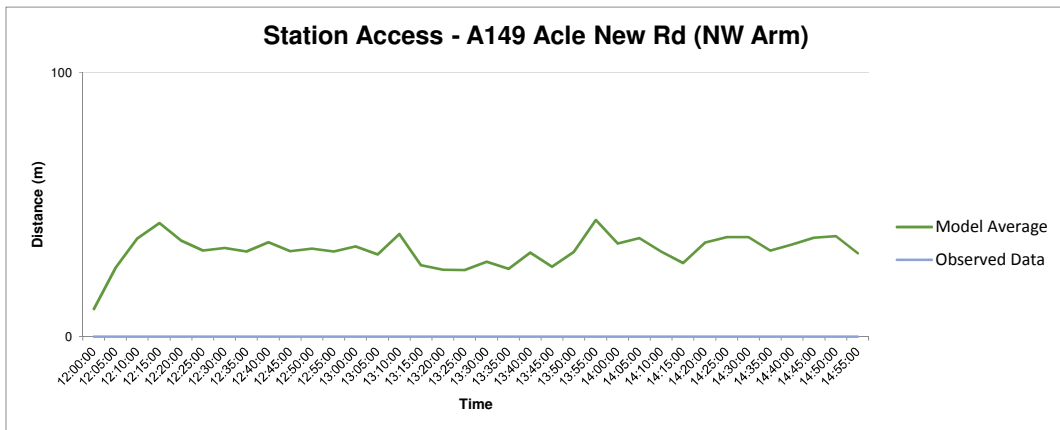
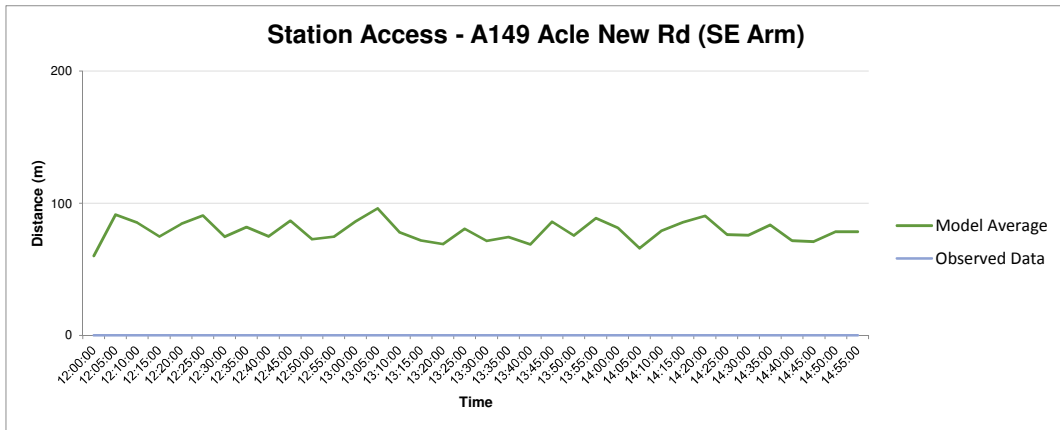
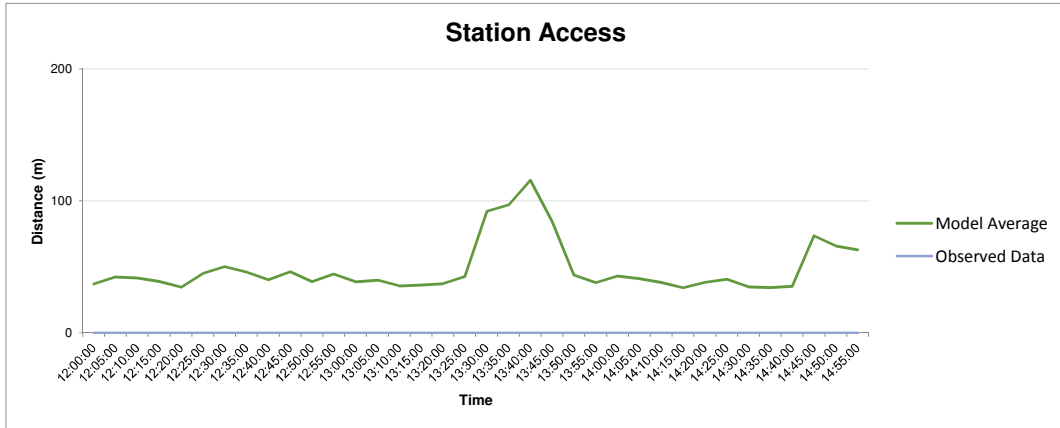
Junction Number 5  
IP Period





Queue Graphs

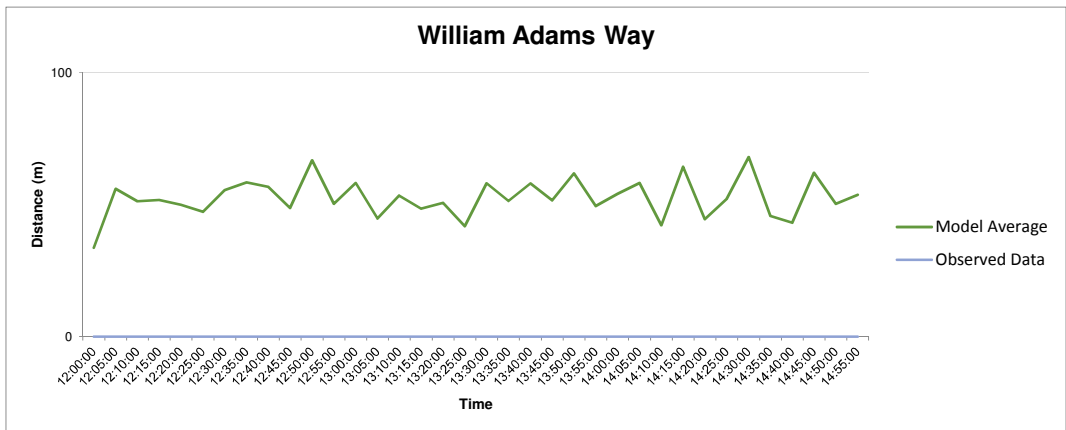
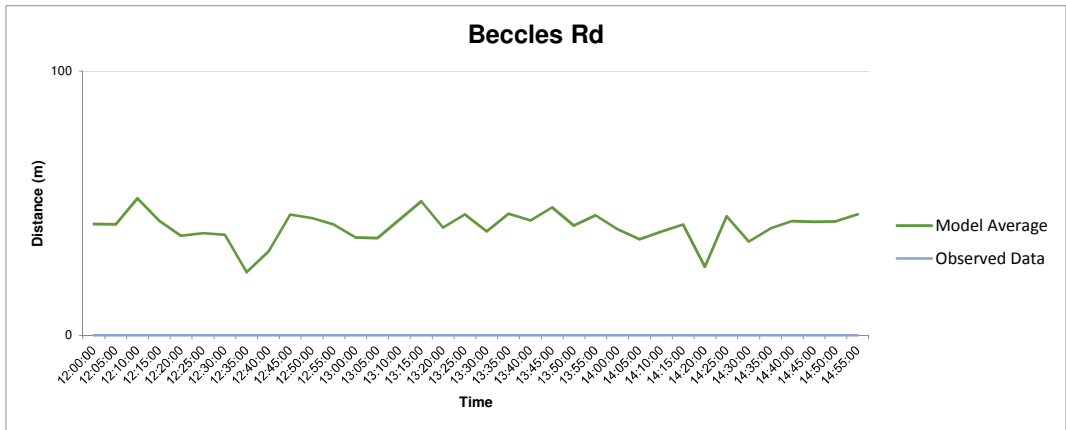
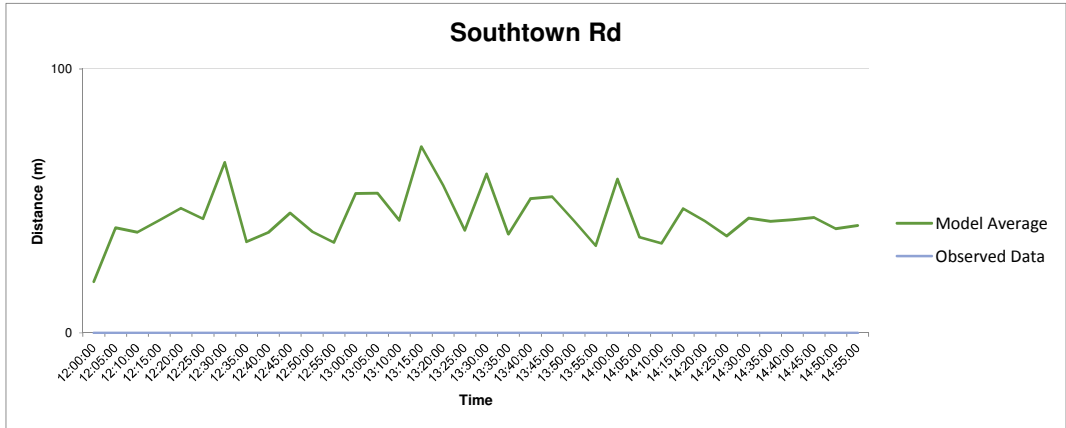
Junction Number 6  
IP Period





Queue Graphs

Junction Number 8  
IP Period

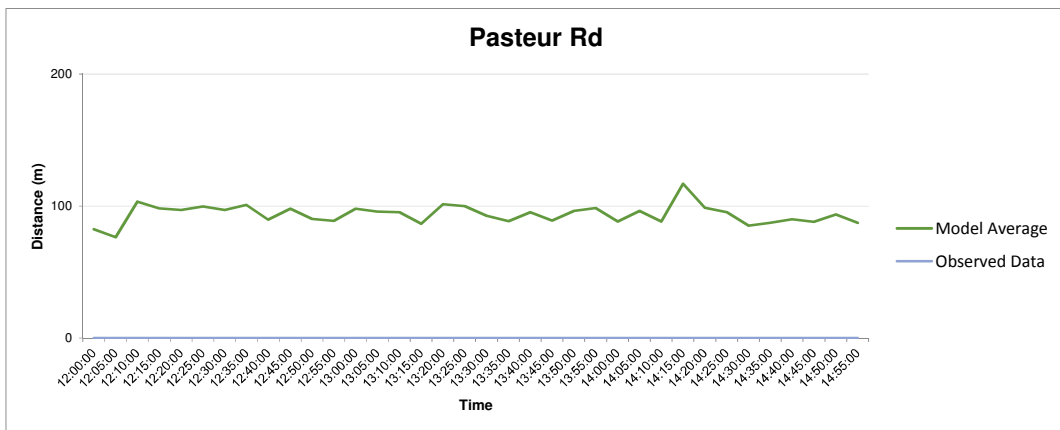
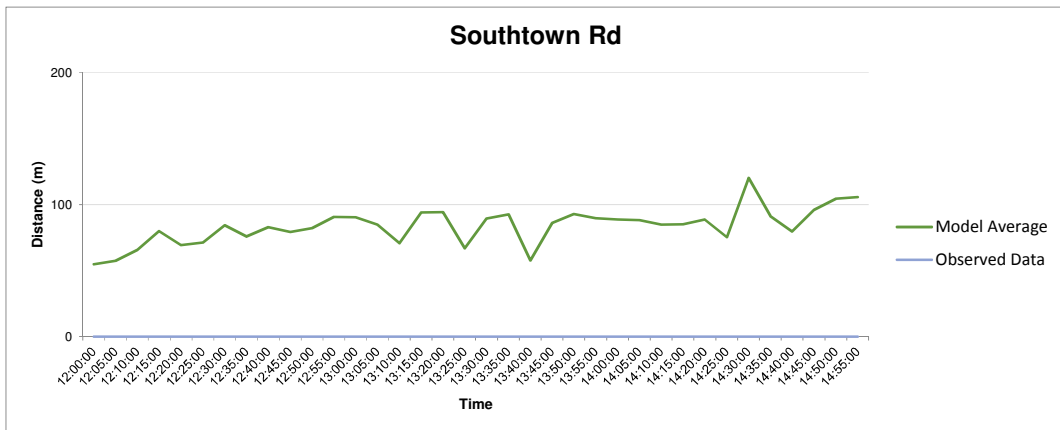
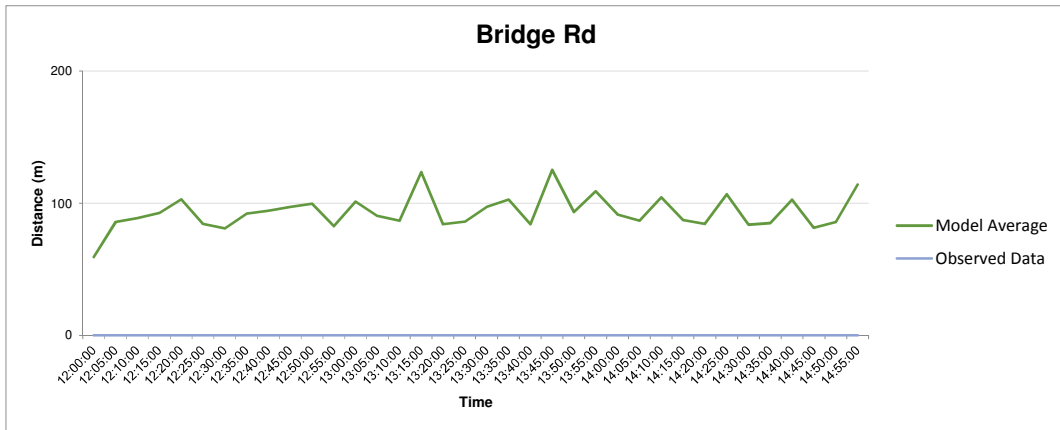
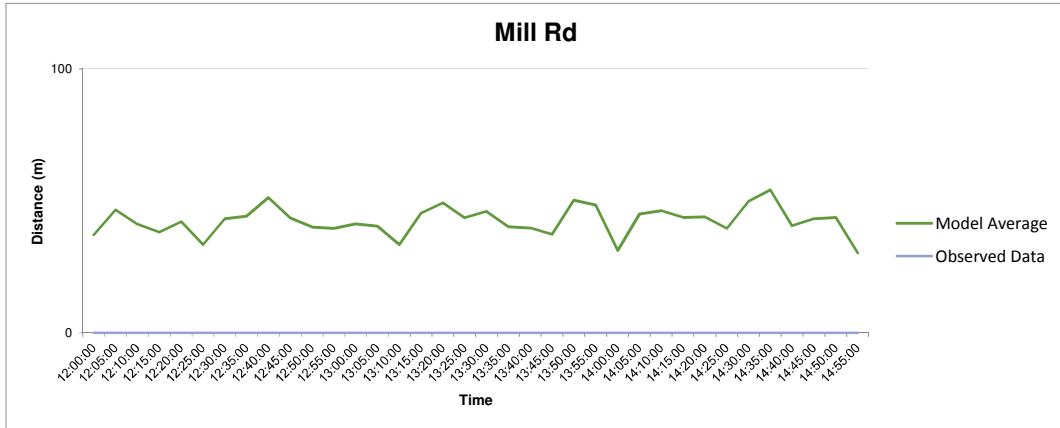






Queue Graphs

Junction Number 9  
IP Period





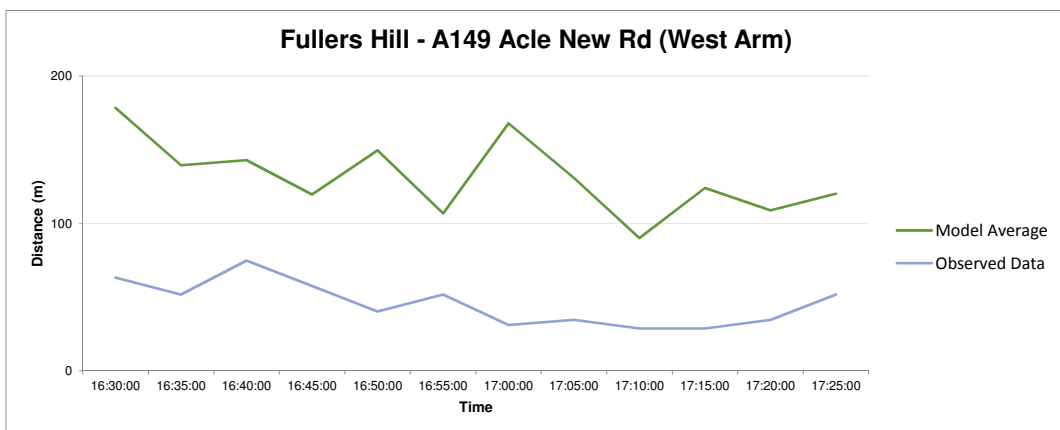
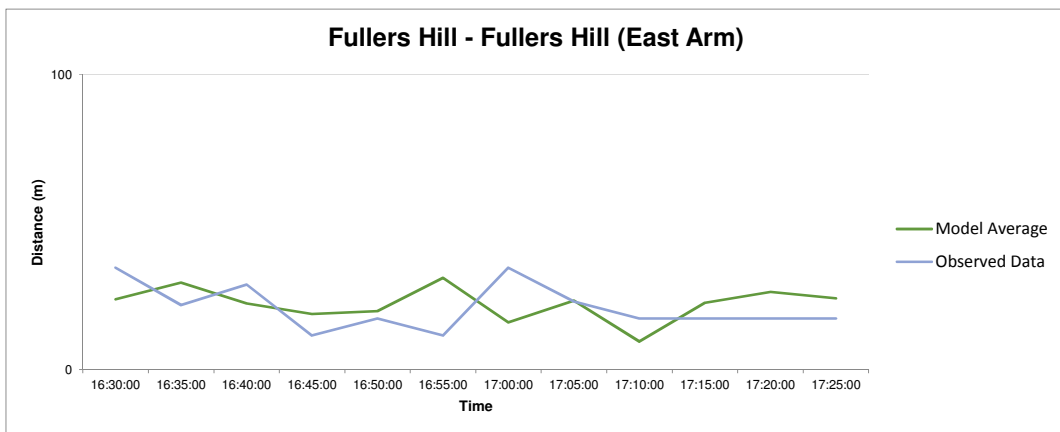
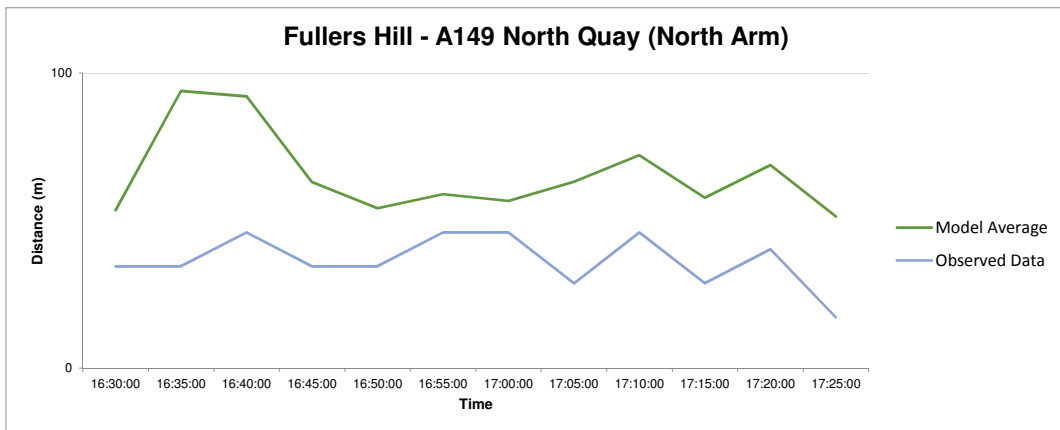
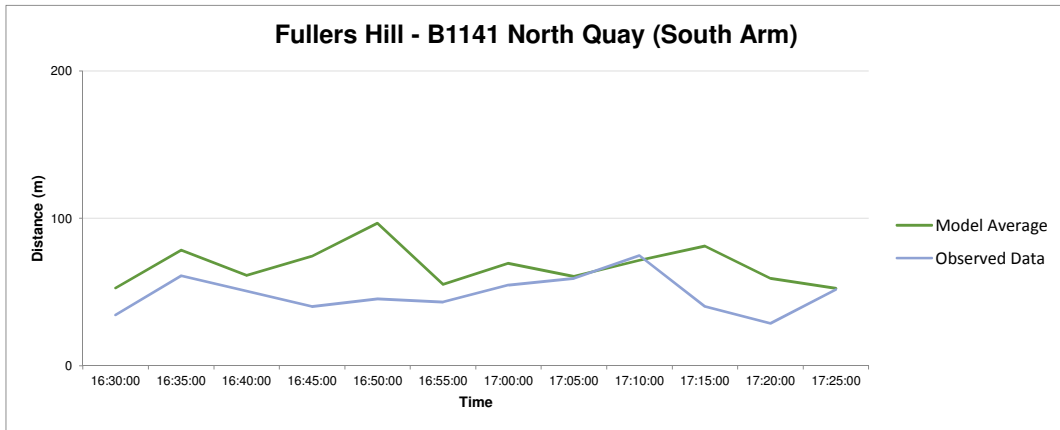
Queue Graphs

Junction Number 9  
IP Period



Queue Graphs

Junction Number 1  
PM Peak





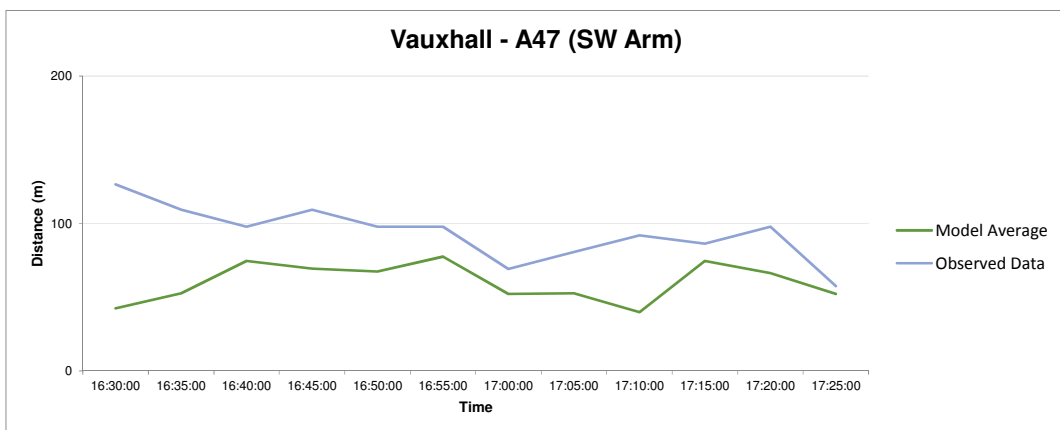
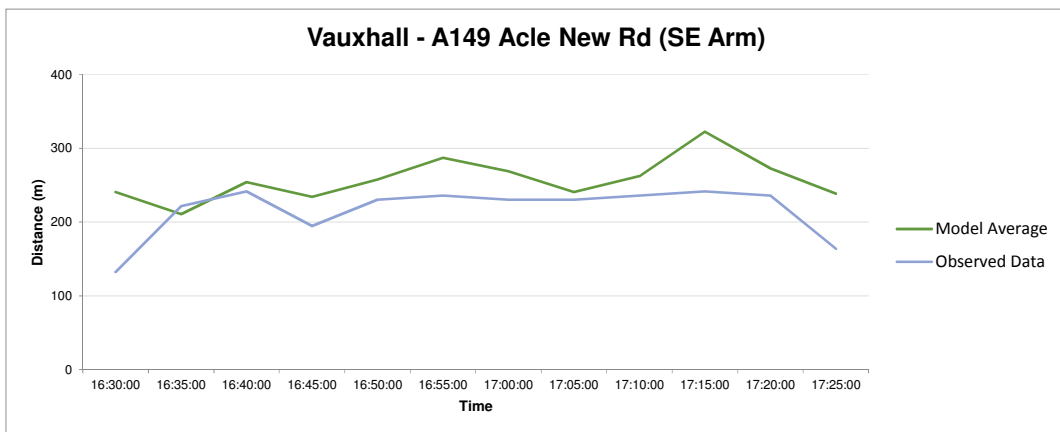
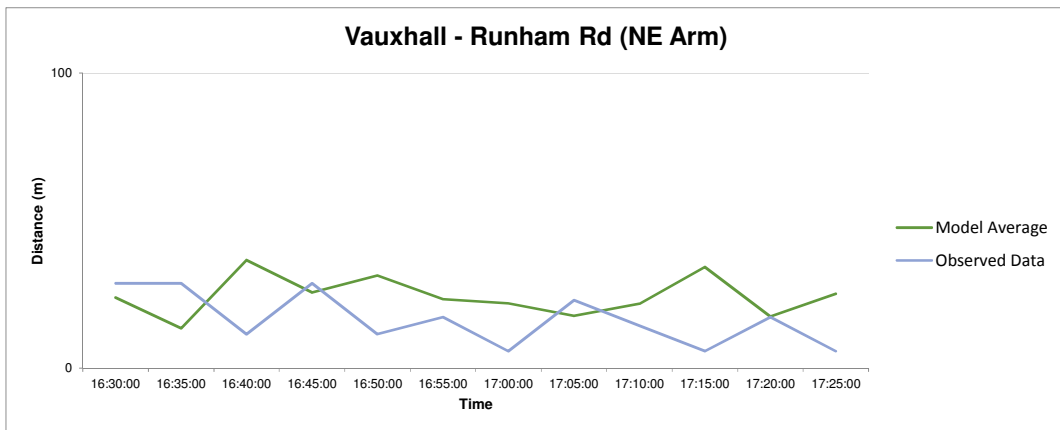
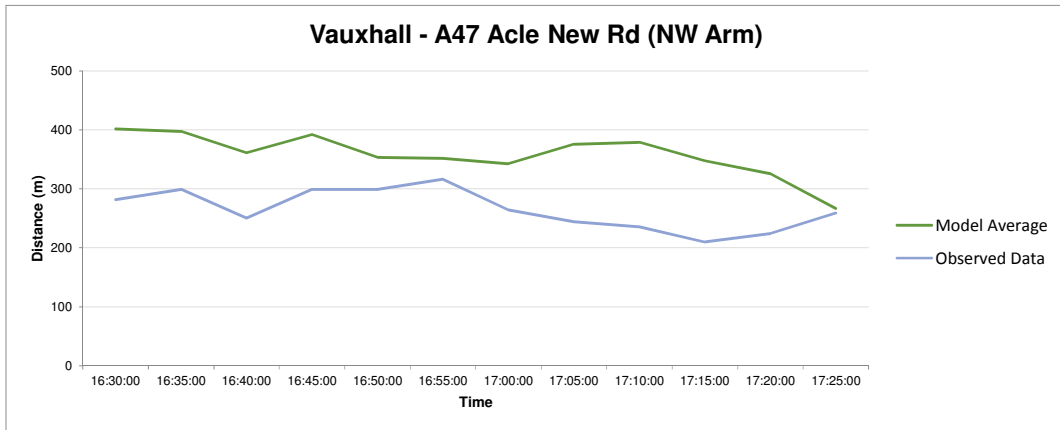
Queue Graphs

Junction Number 1  
PM Peak



Queue Graphs

Junction Number 2  
PM Peak





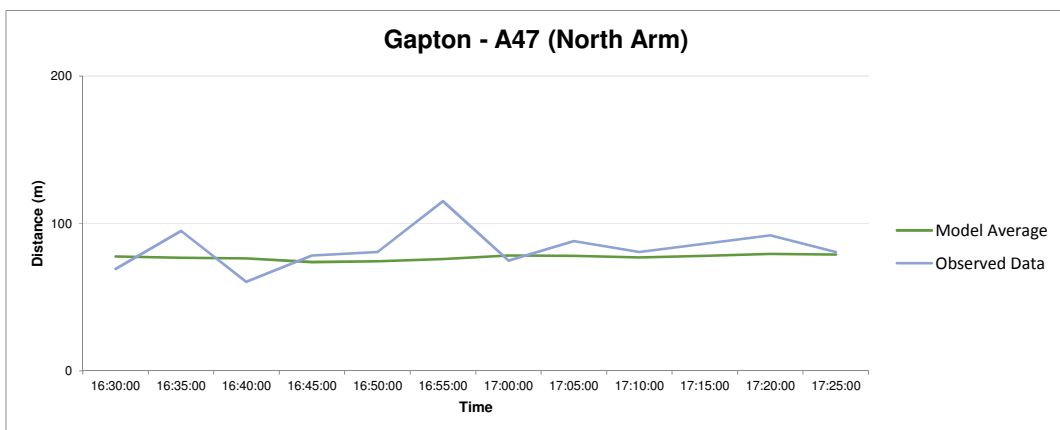
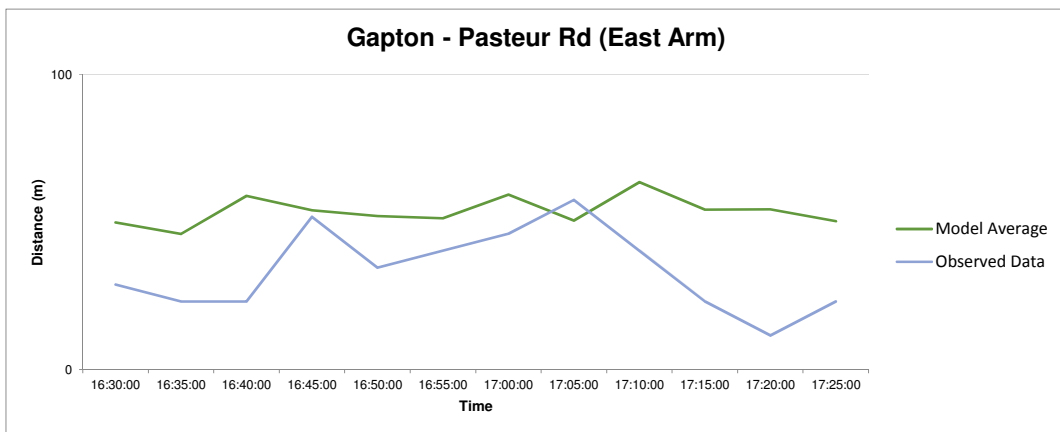
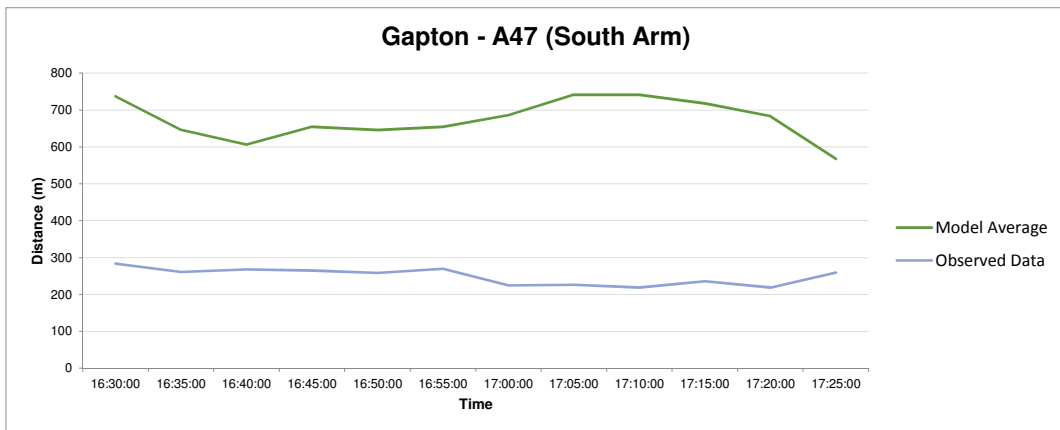
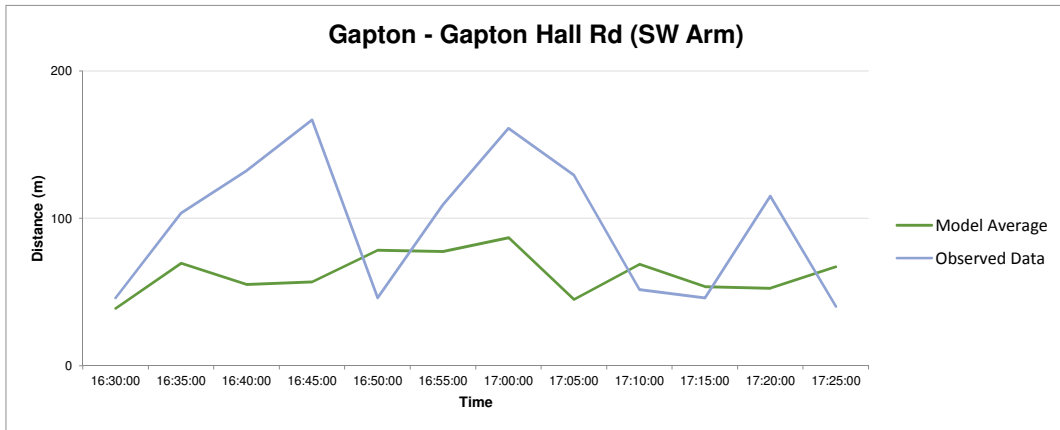
Queue Graphs

Junction Number 2  
PM Peak



Queue Graphs

Junction Number 3  
PM Peak





Queue Graphs

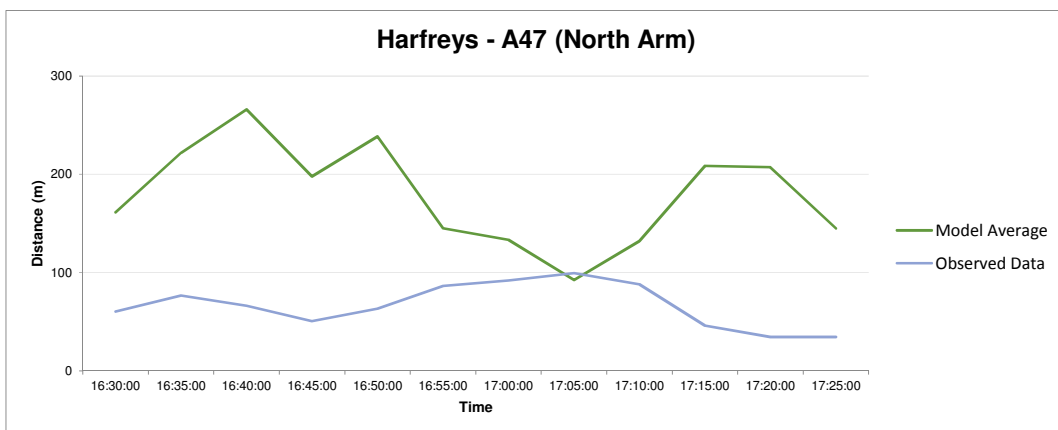
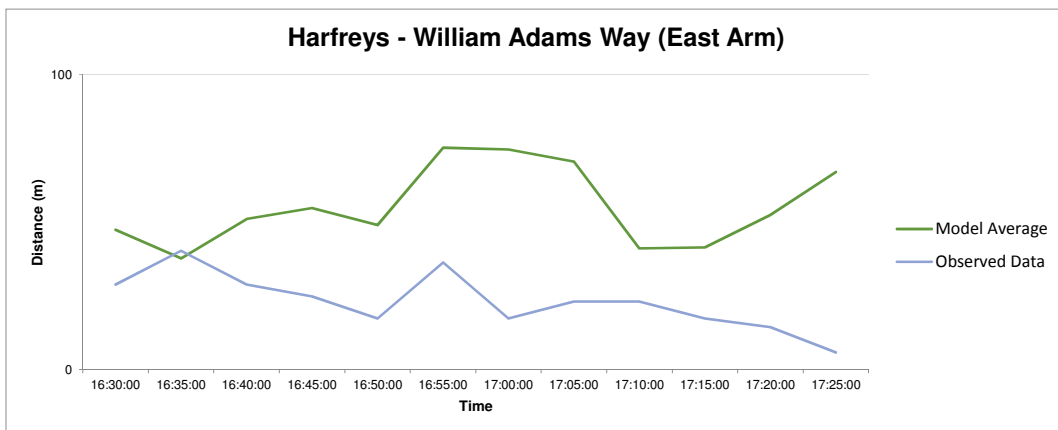
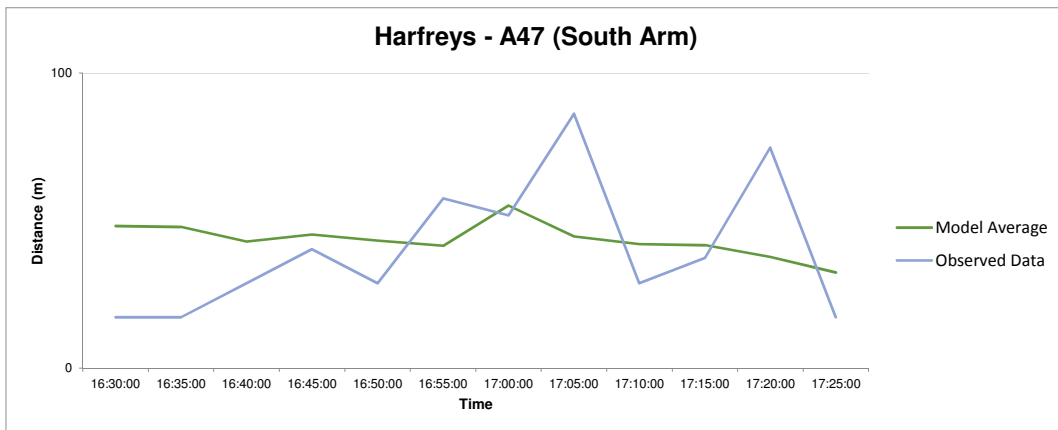
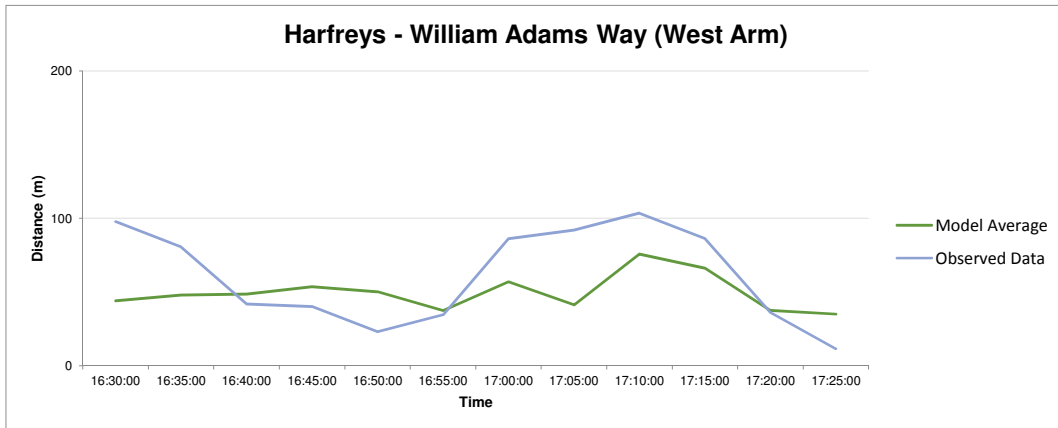
Junction Number 3  
PM Peak





### Queue Graphs

Junction Number 4  
PM Peak





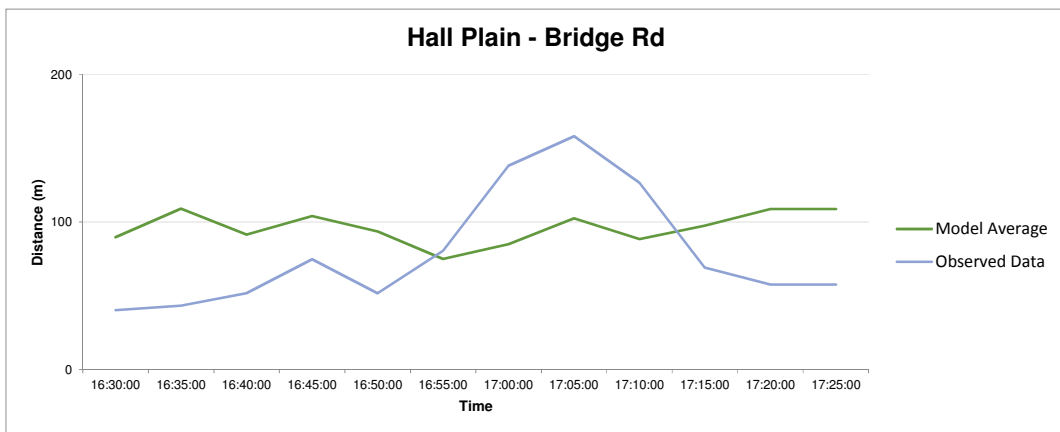
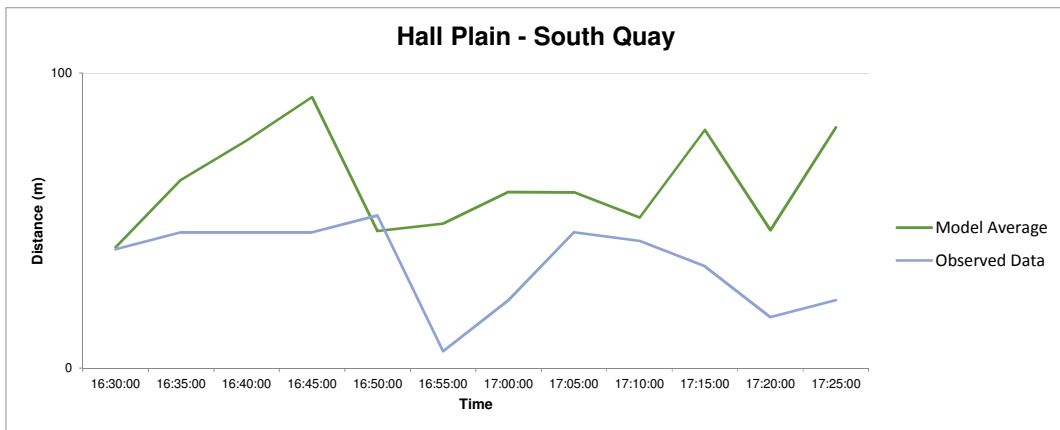
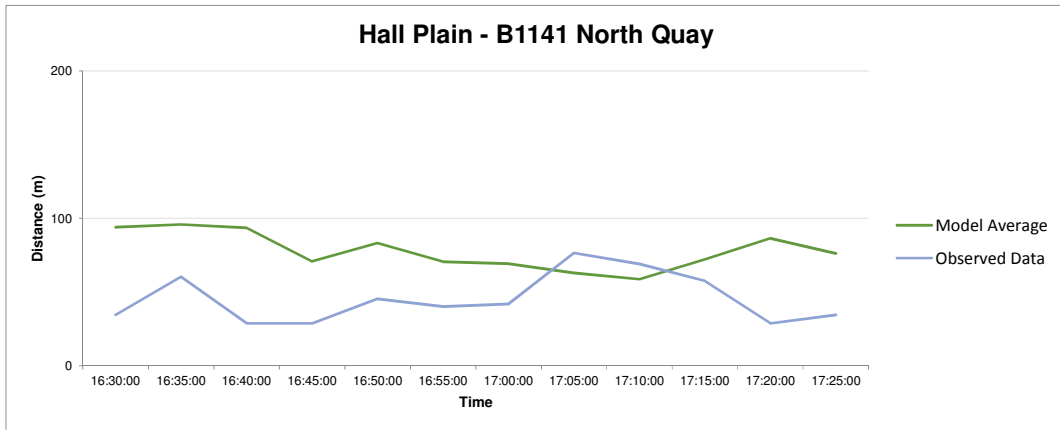
Queue Graphs

Junction Number 4  
PM Peak



Queue Graphs

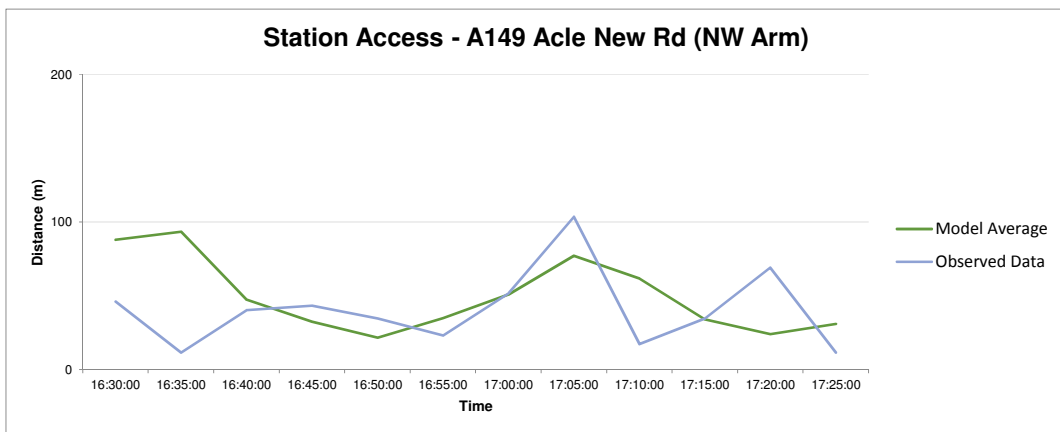
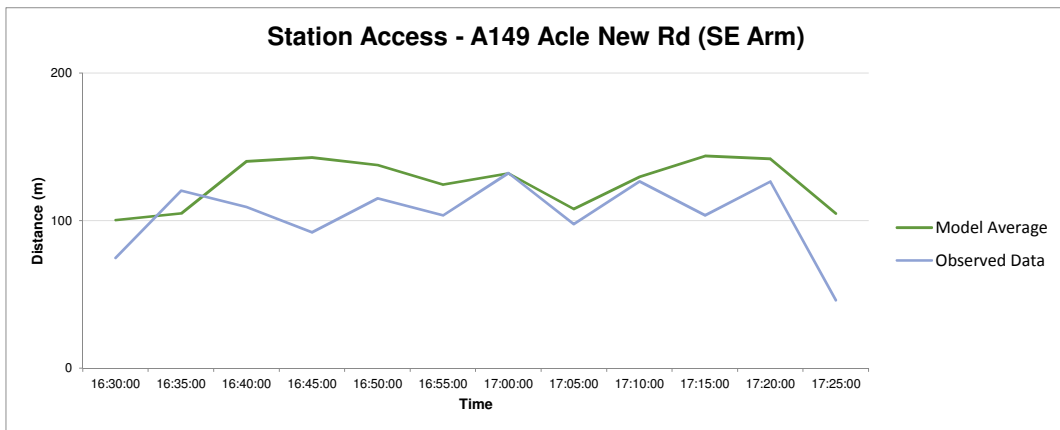
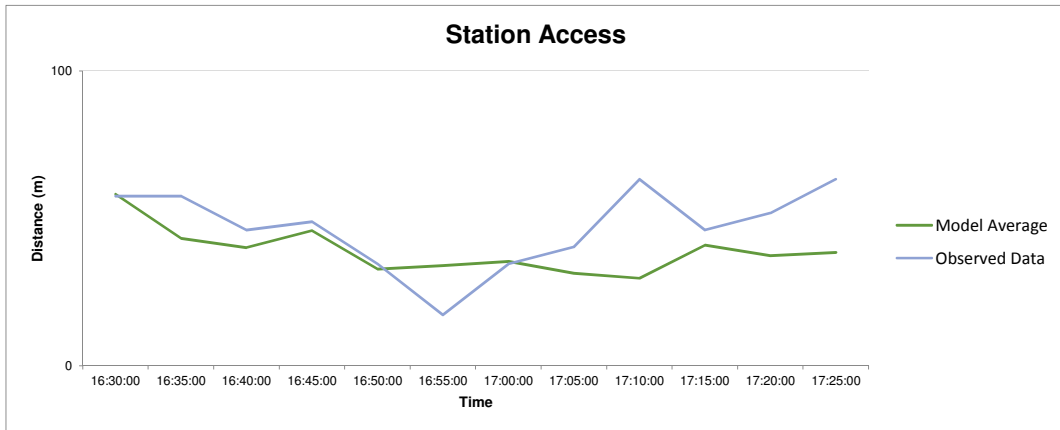
Junction Number 5  
PM Peak





### Queue Graphs

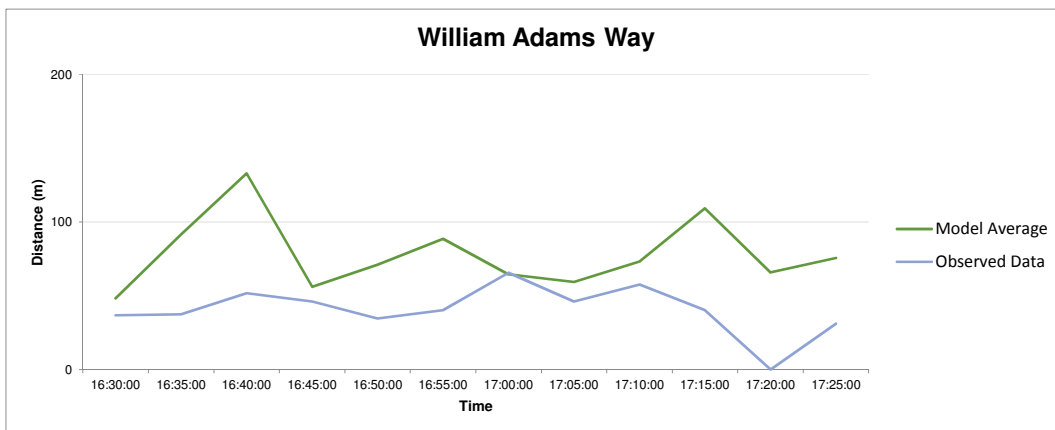
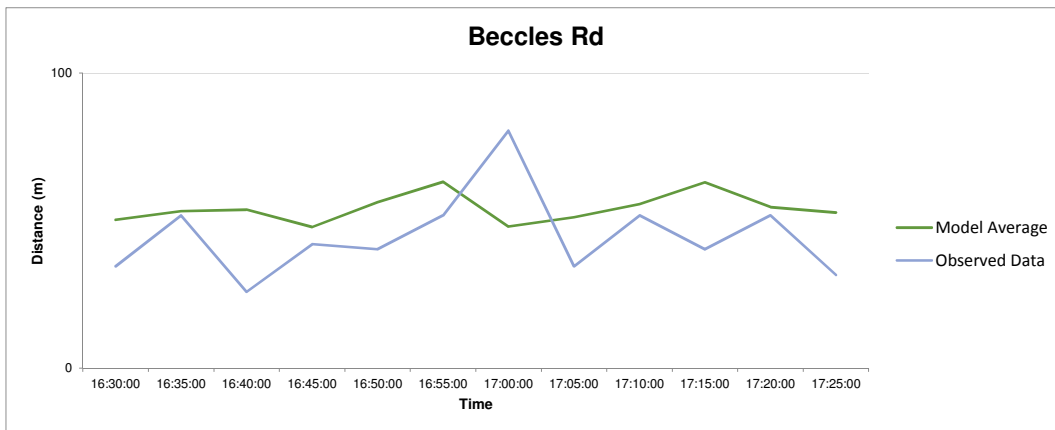
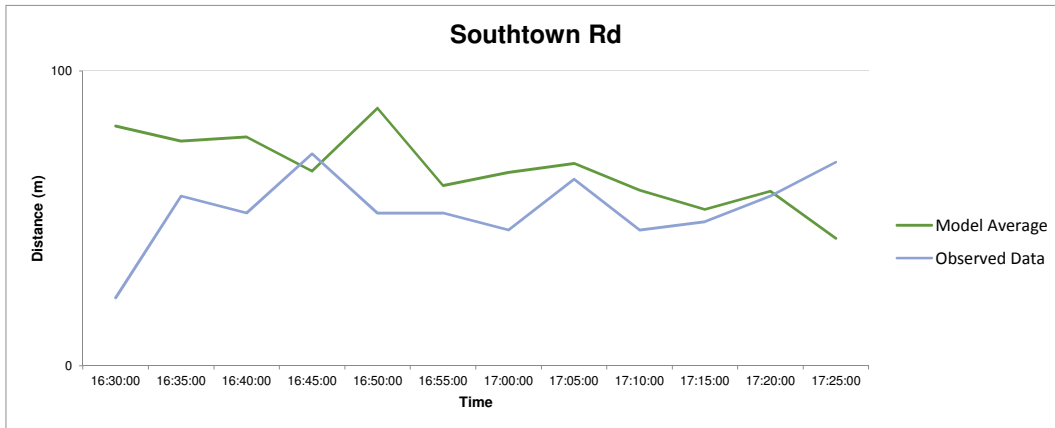
Junction Number 6  
PM Peak





Queue Graphs

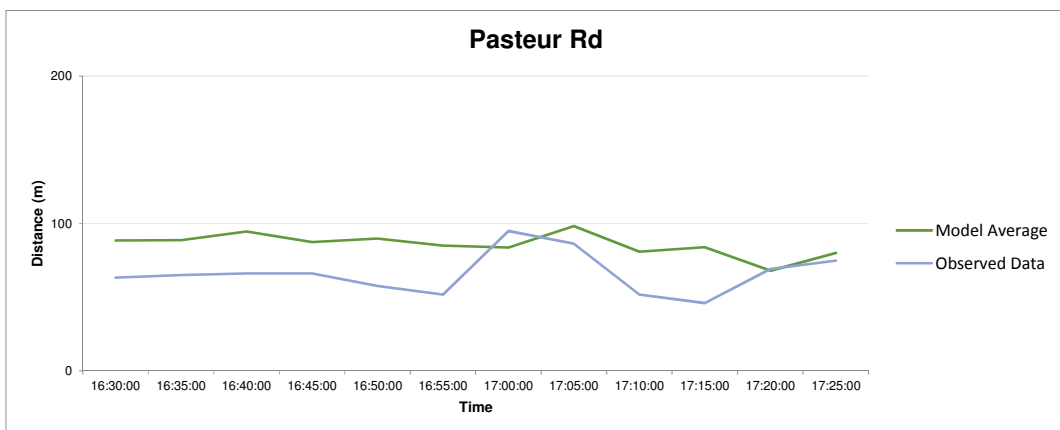
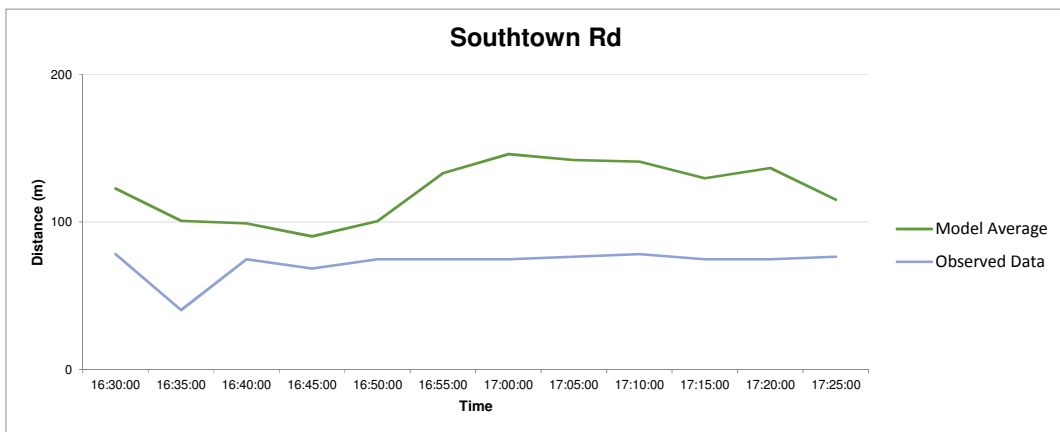
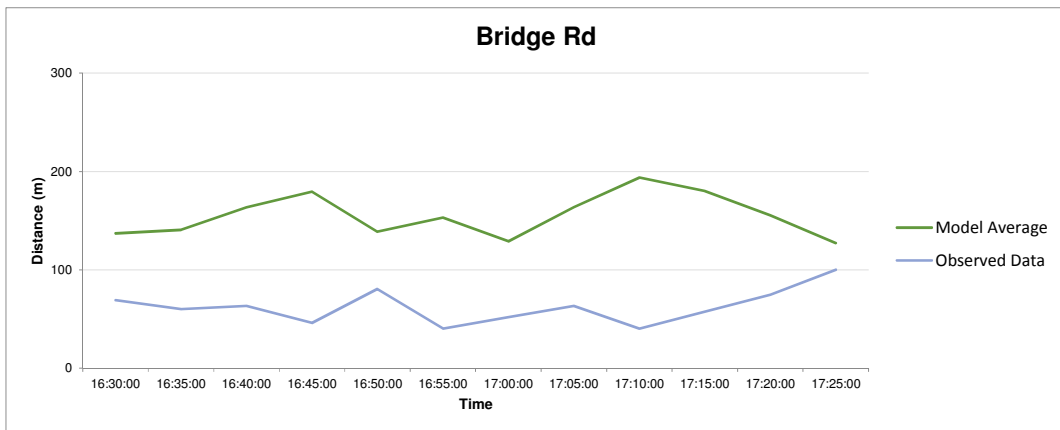
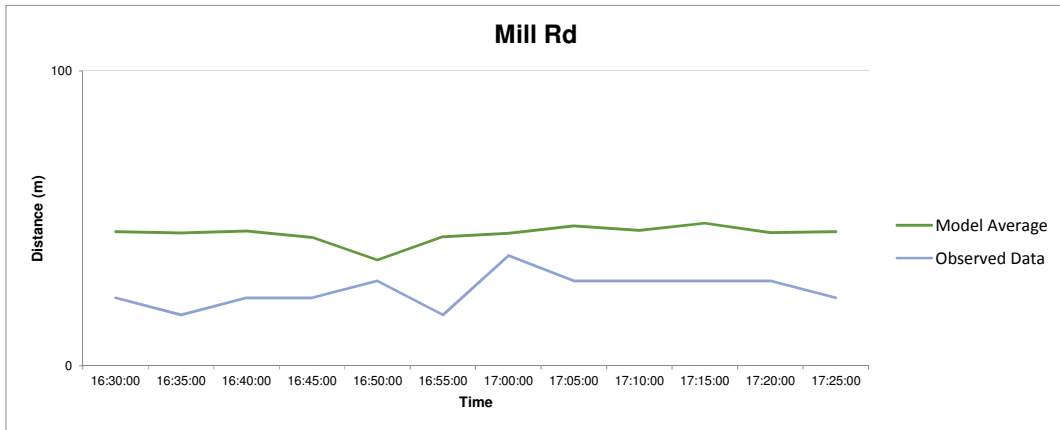
Junction Number 8  
PM Peak





Queue Graphs

Junction Number 9  
PM Peak





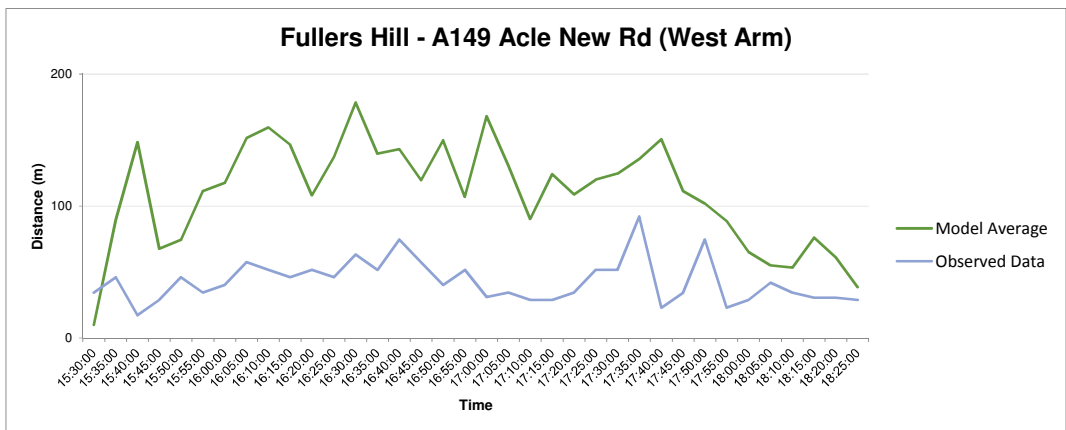
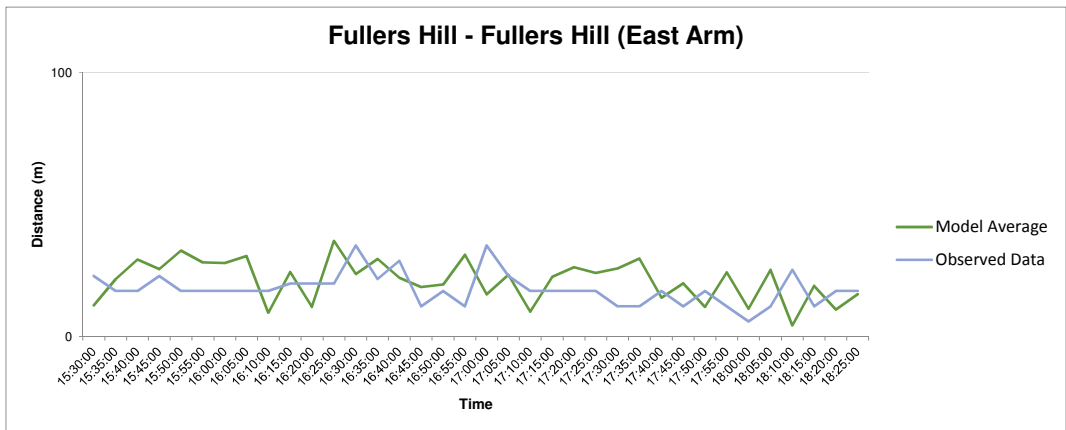
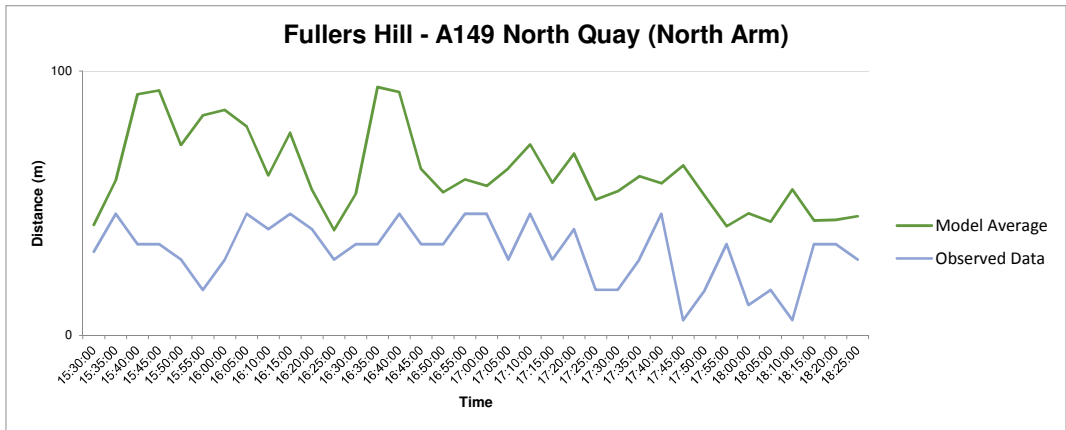
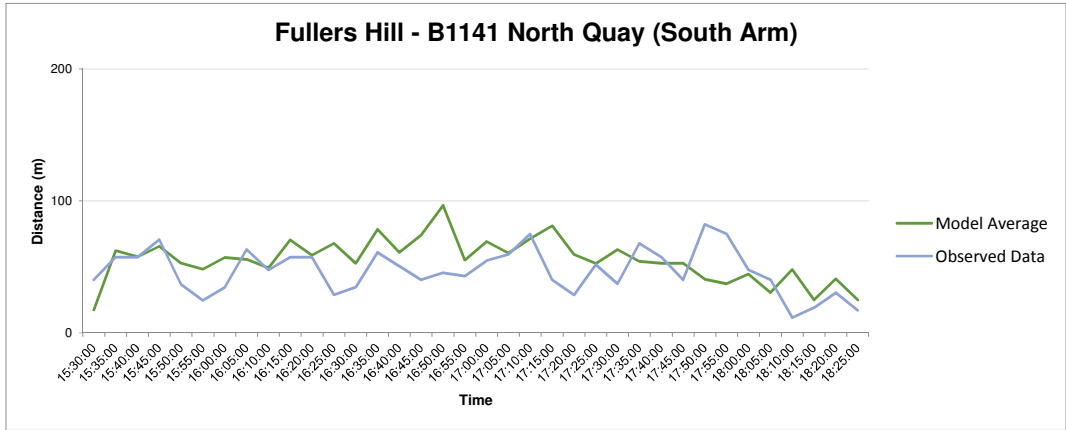
Queue Graphs

Junction Number 9  
PM Peak



Queue Graphs

Junction Number 1  
PM Period







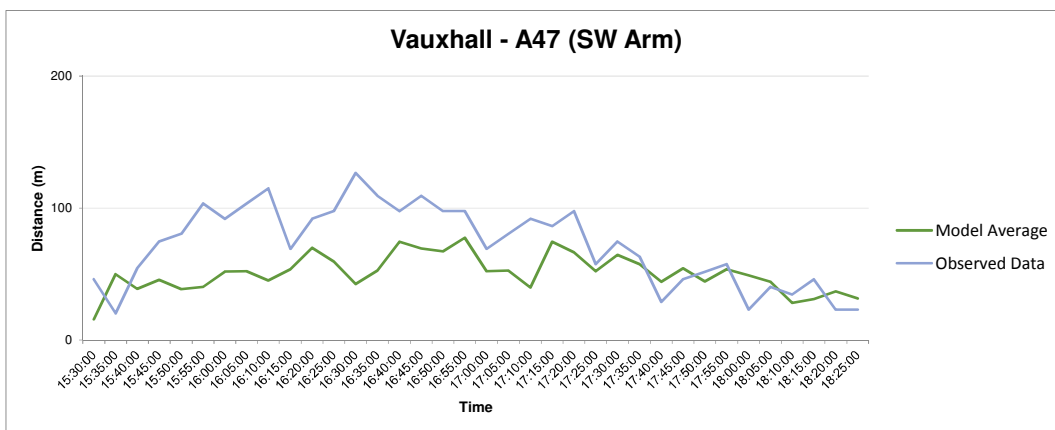
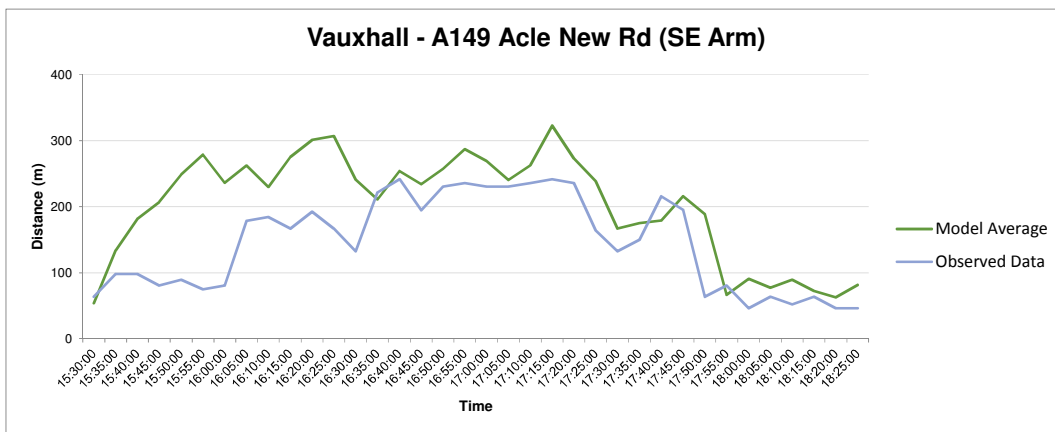
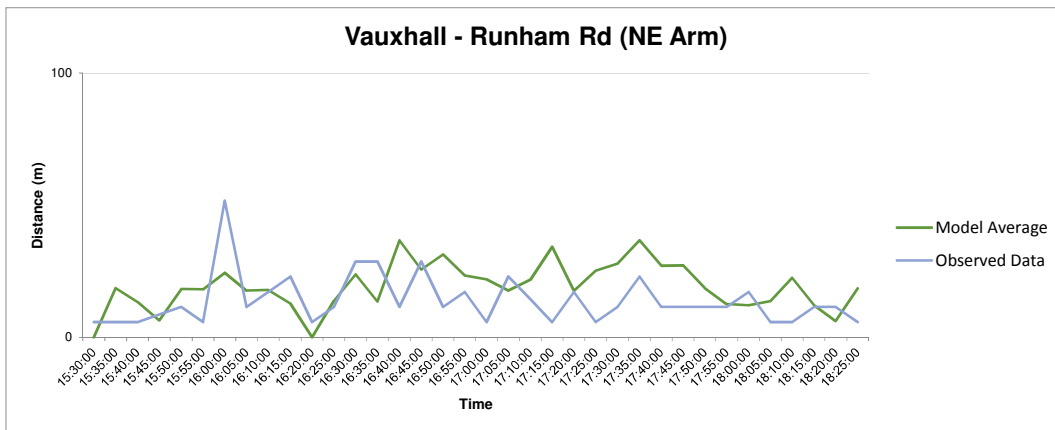
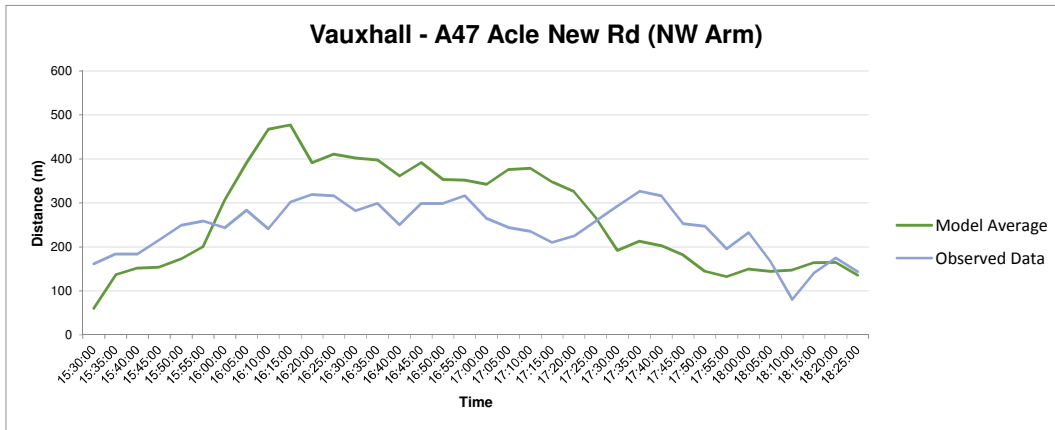
Queue Graphs

Junction Number 1  
PM Period



Queue Graphs

Junction Number 2  
PM Period





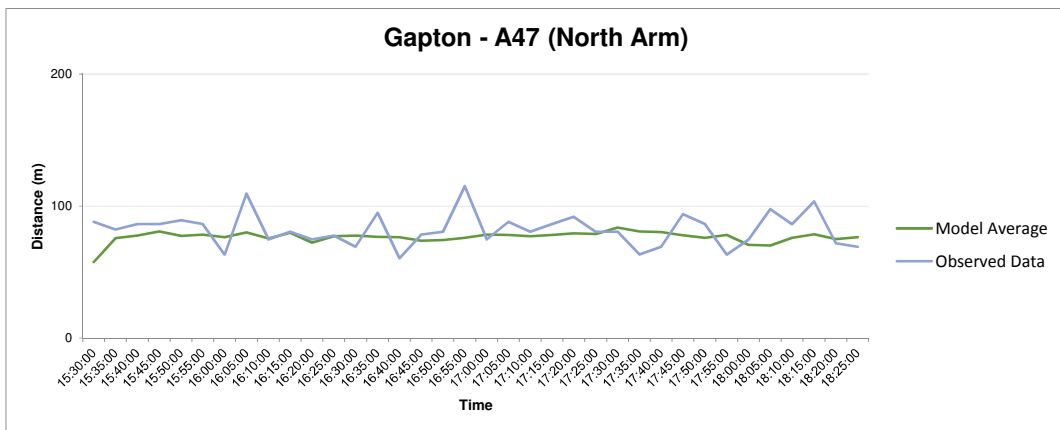
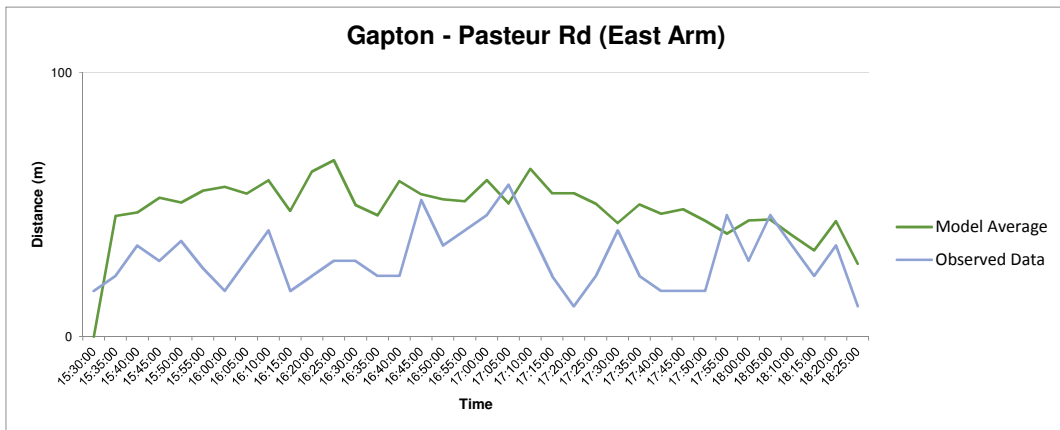
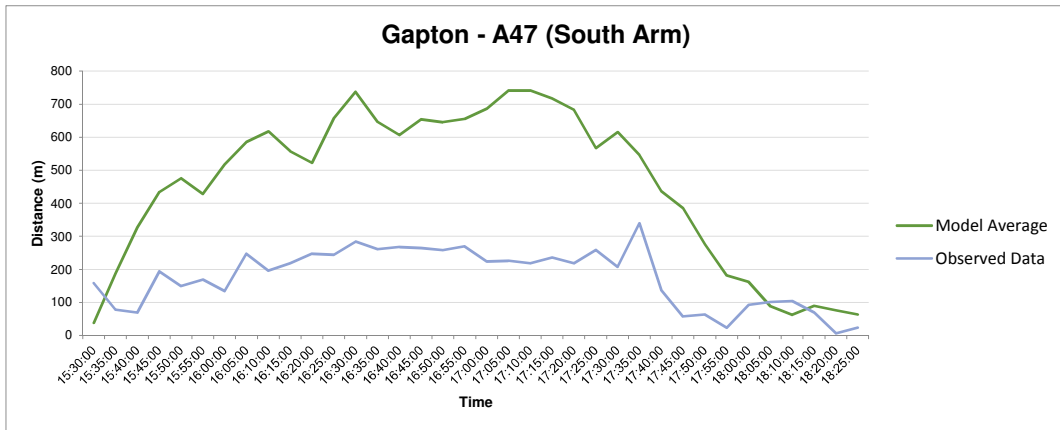
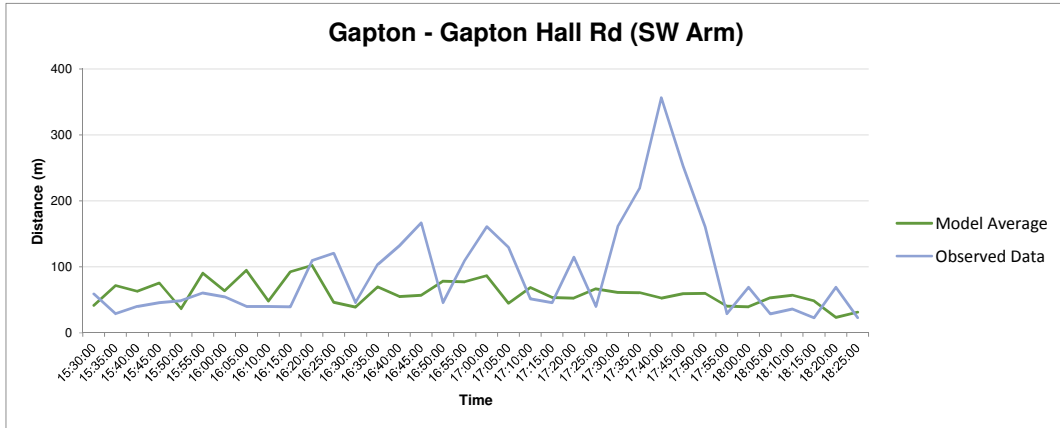
Queue Graphs

Junction Number 2  
PM Period



Queue Graphs

Junction Number 3  
PM Period





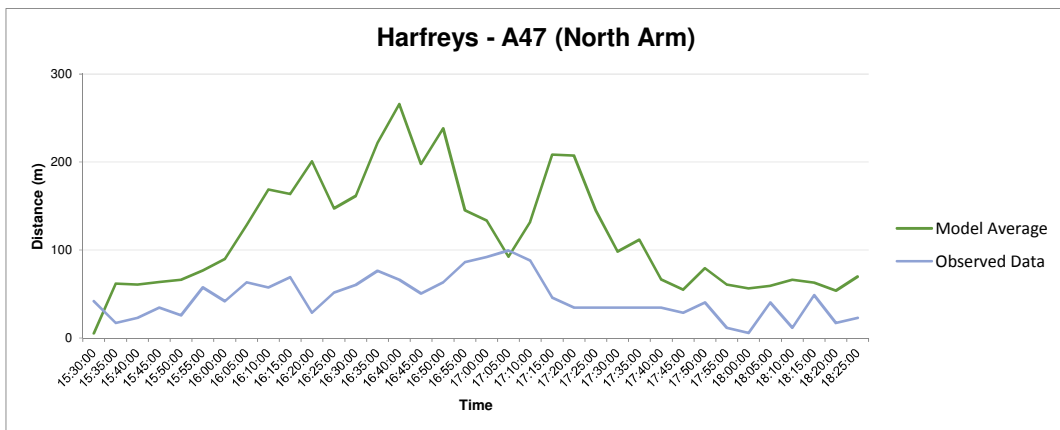
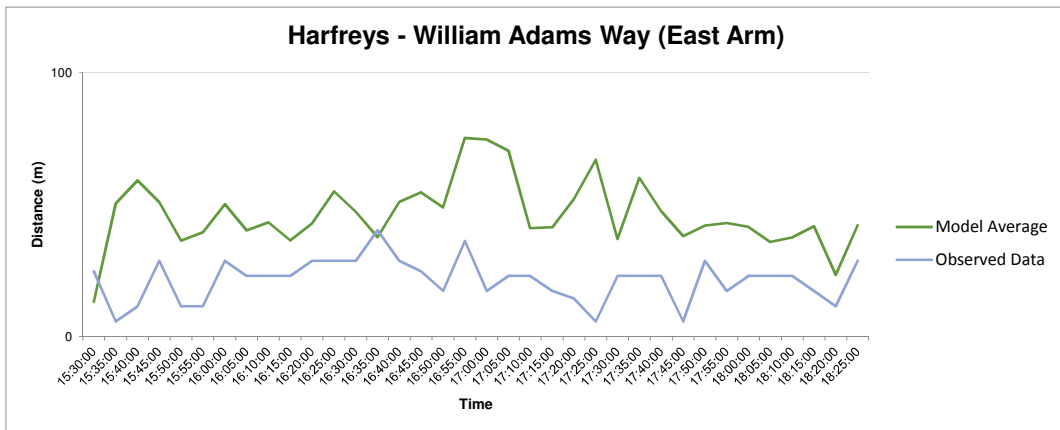
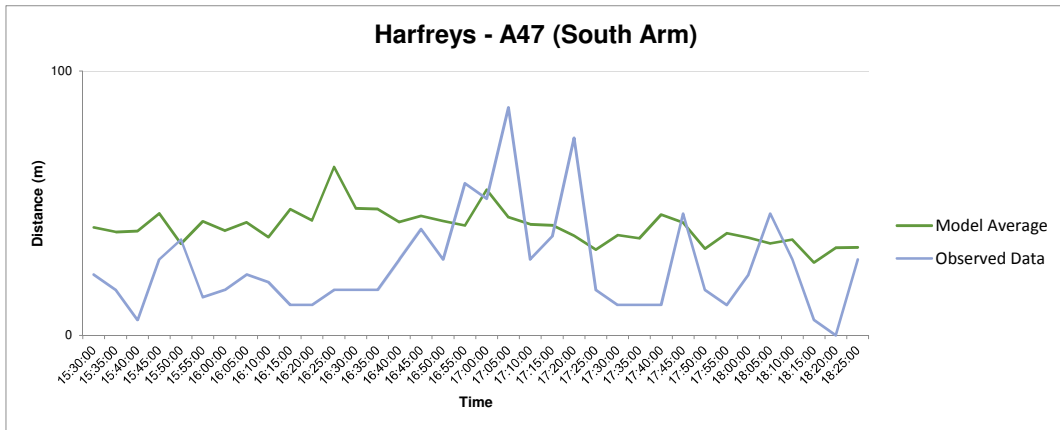
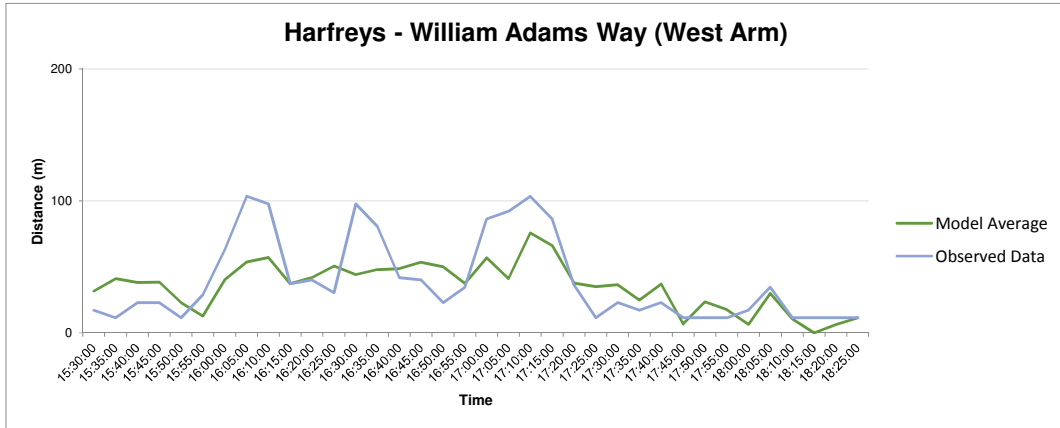
Queue Graphs

Junction Number 3  
PM Period



Queue Graphs

Junction Number 4  
PM Period





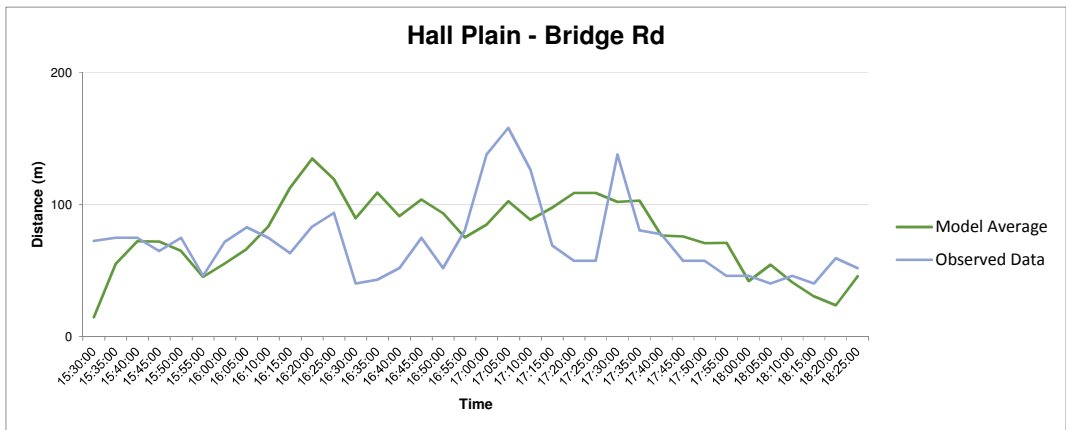
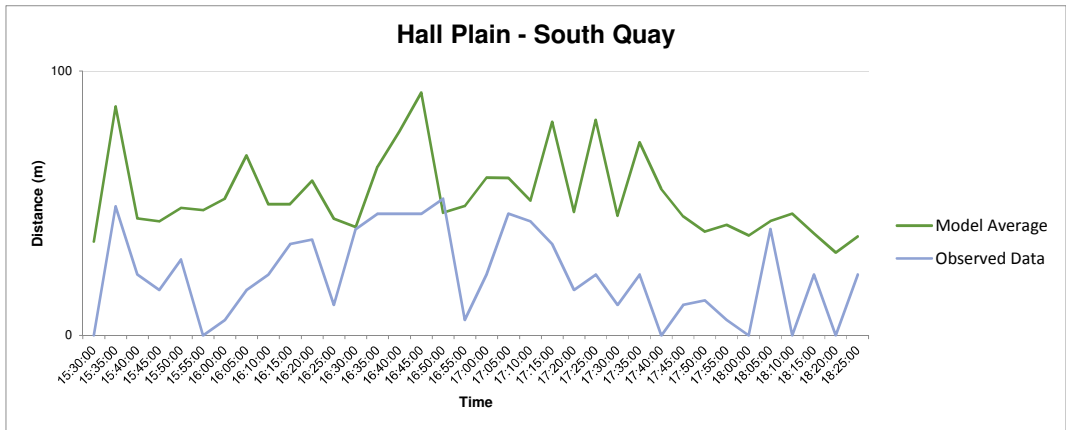
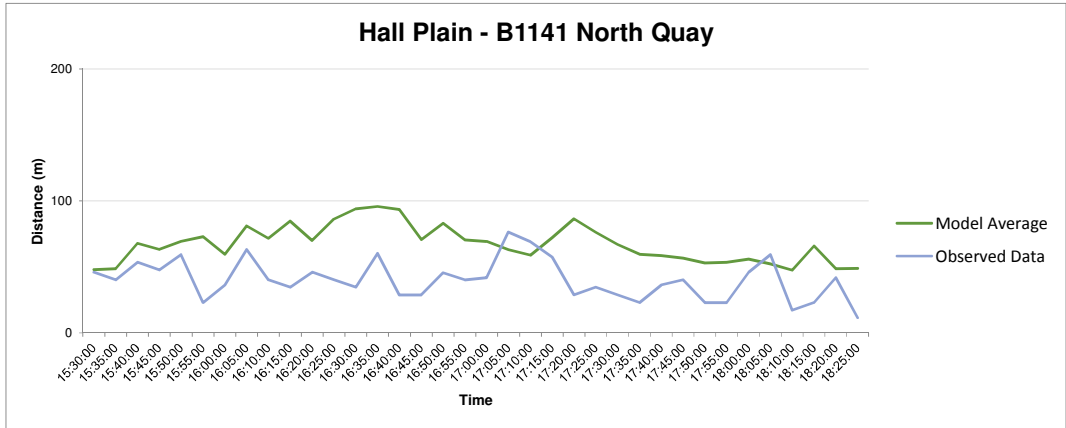
Queue Graphs

Junction Number 4  
PM Period



Queue Graphs

Junction Number 5  
PM Period

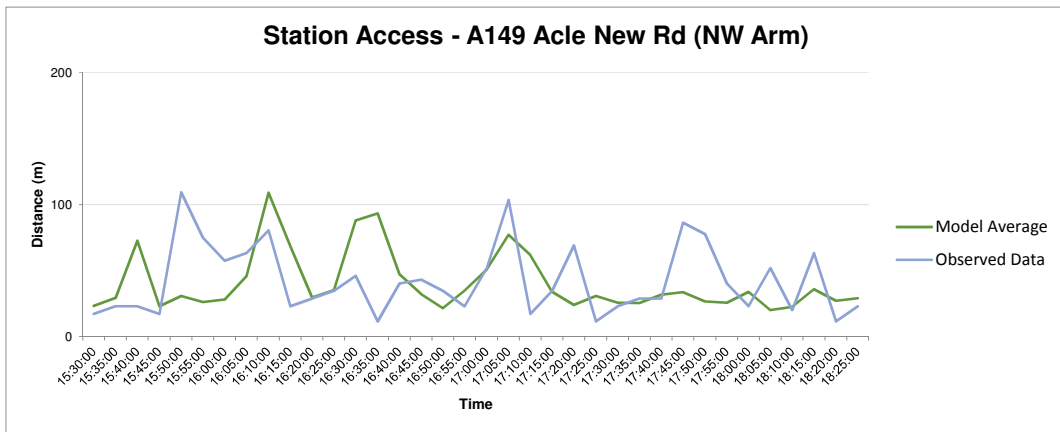
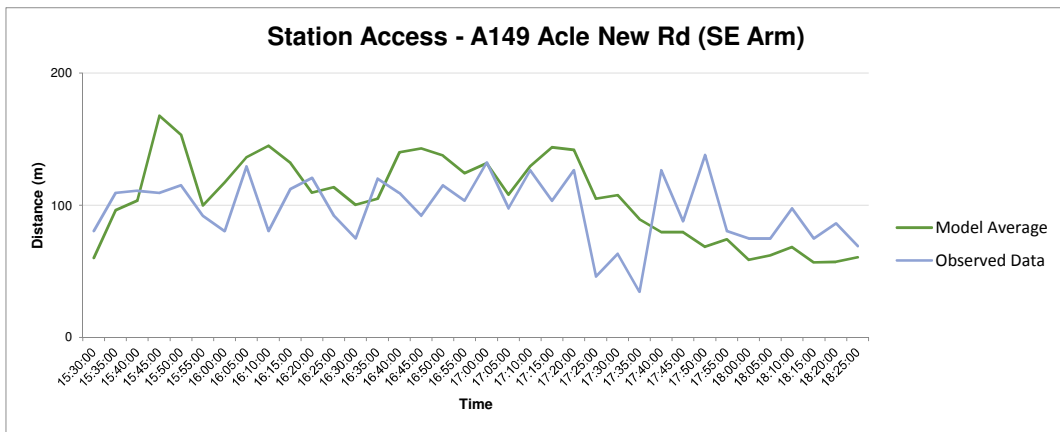
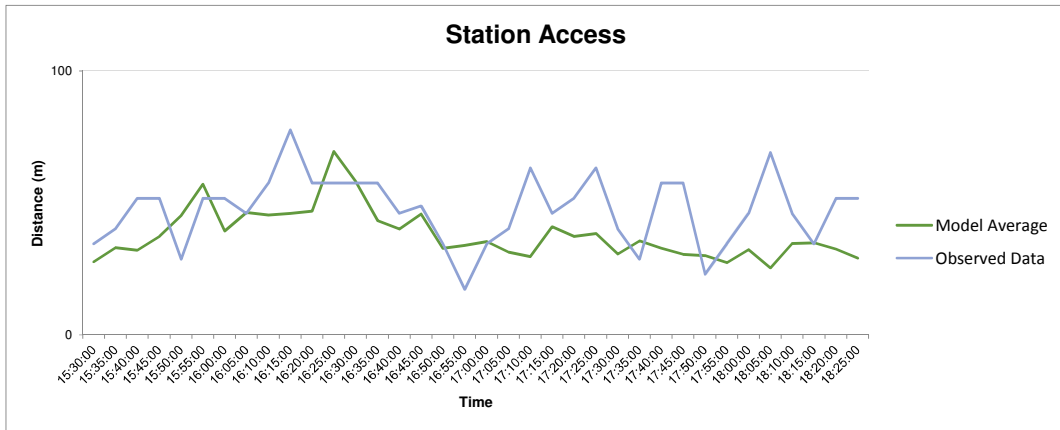






Queue Graphs

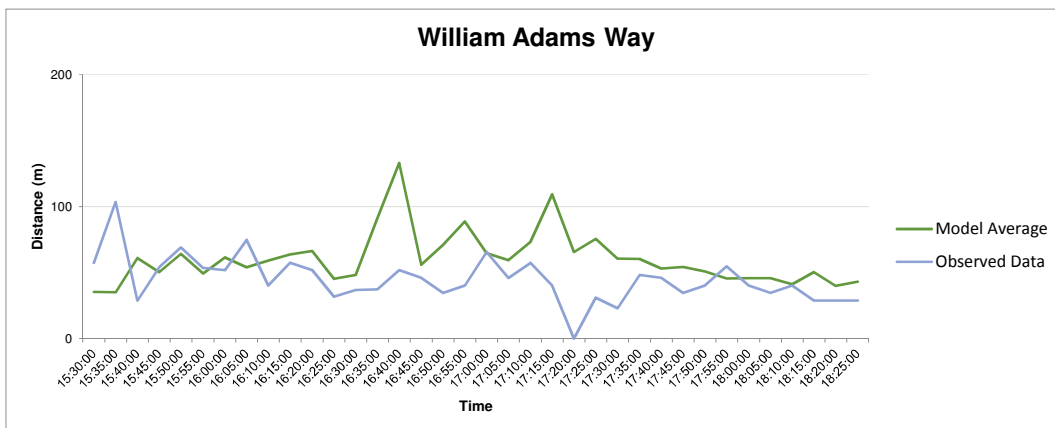
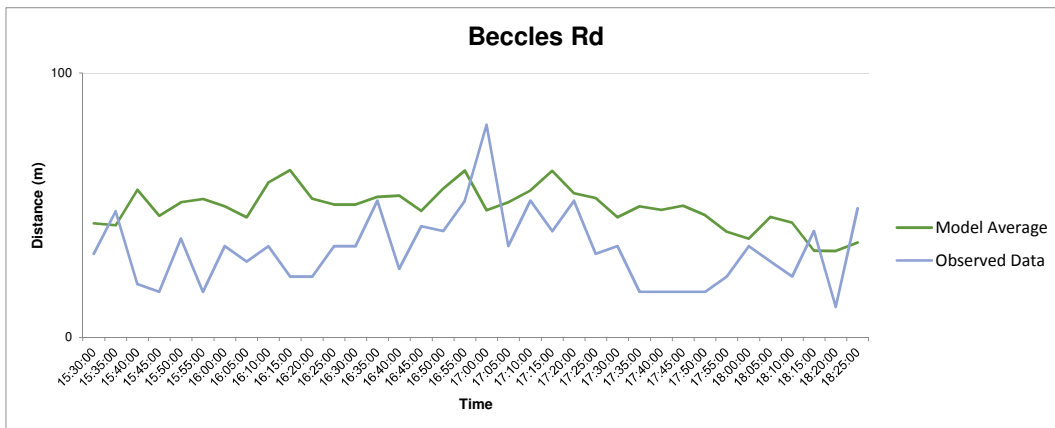
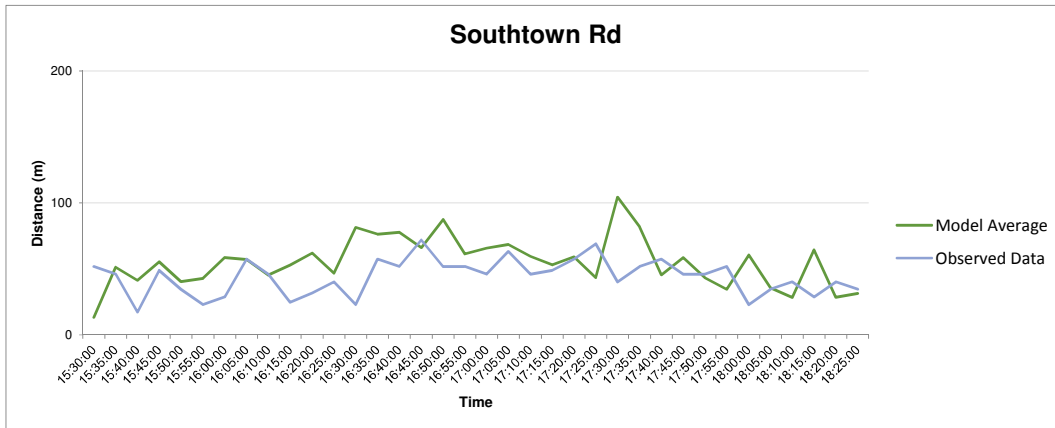
Junction Number 6  
PM Period





Queue Graphs

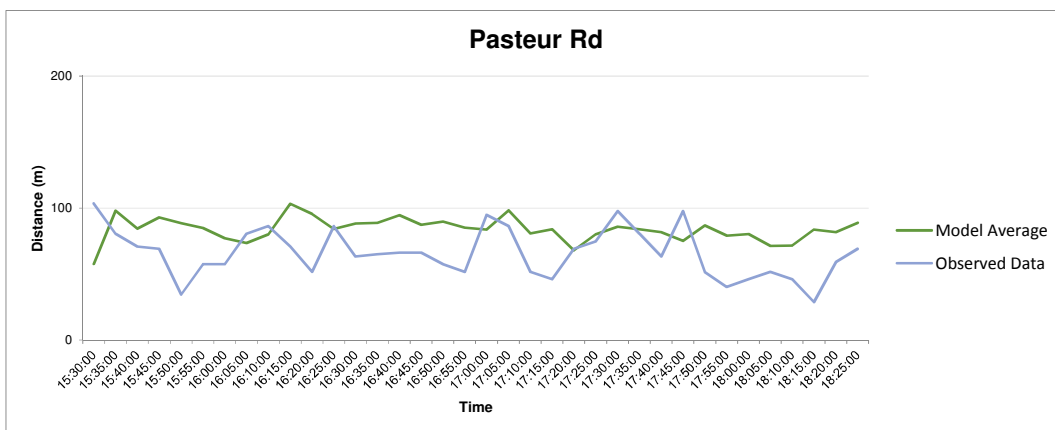
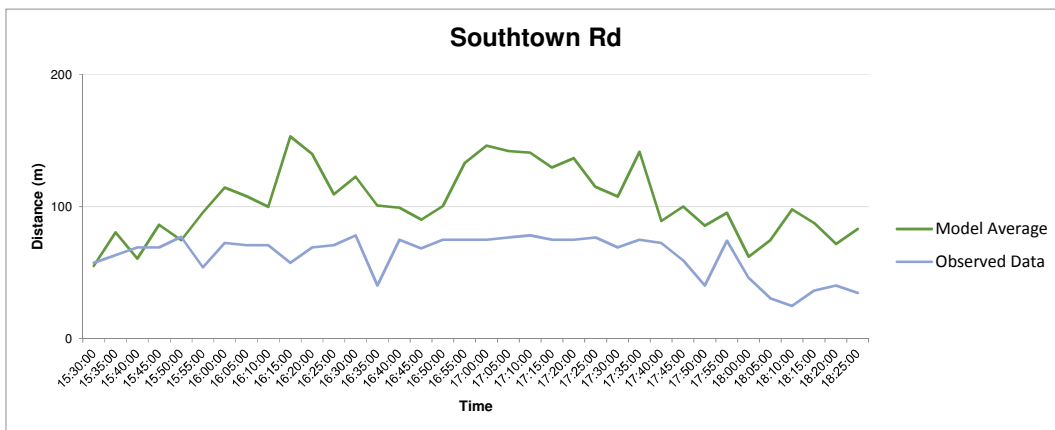
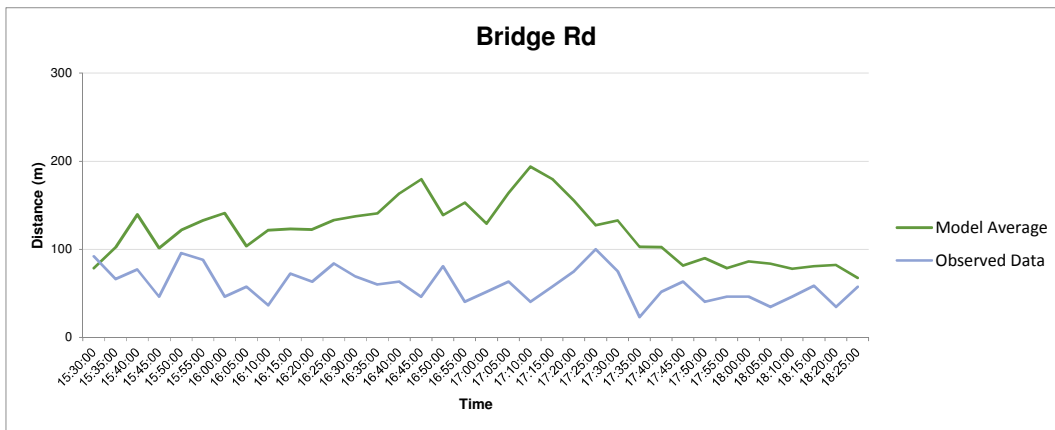
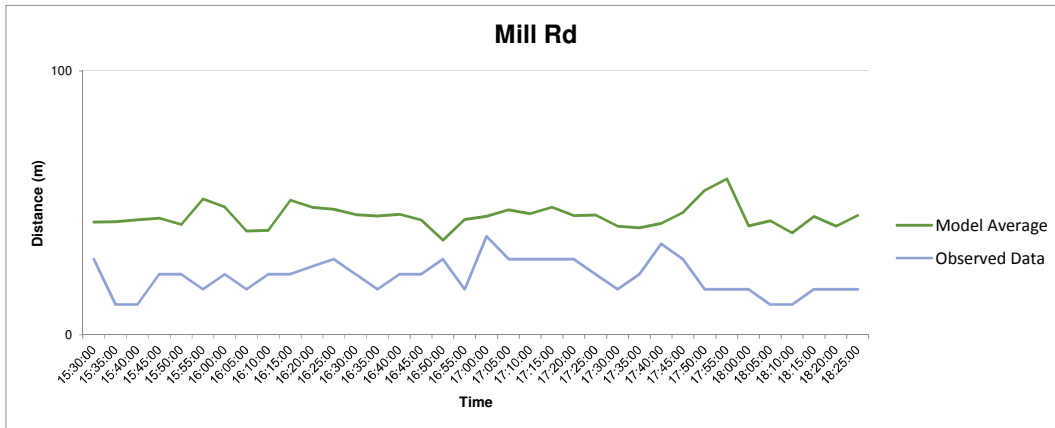
Junction Number 8  
PM Period





Queue Graphs

Junction Number 9  
PM Period





Queue Graphs

Junction Number 9  
PM Period





# Annex C

## JOURNEY TIME CALIBRATION







Route	Observed AM	Modelled AM	Diff AM	Diff% AM	WebTAG AM	Observed PM	Modelled PM	Diff PM	Diff% PM	WebTAG PM	Observed IP	Modelled IP	Diff IP	Diff% IP	WebTAG IP
Route 1 NB	135	100	-35	-26.1%	TRUE	123	103	-19	-15.8%	TRUE	105	89	-16	-15.7%	TRUE
Route 1 SB	181	136	-45	-25.1%	TRUE	97	90	-7	-7.4%	TRUE	96	86	-10	-10.7%	TRUE
Route 2 EB	48	48	0	-0.3%	TRUE	60	71	11	18.3%	TRUE	53	45	-8	-15.2%	TRUE
Route 2 WB	101	63	-39	-38.1%	TRUE	109	123	14	12.7%	TRUE	67	57	-10	-15.0%	TRUE
Route 3 NB	265	323	58	21.8%	TRUE	464	489	25	5.3%	TRUE	206	163	-44	-21.3%	TRUE
Route 3_2 NB	140	187	47	33.7%	TRUE	305	346	40	13.2%	TRUE	77	57	-19	-25.1%	TRUE
Route 3_1 NB	126	104	-21	-17.0%	TRUE	159	105	-55	-34.3%	TRUE	130	101	-29	-22.5%	TRUE
Route 3 SB	203	170	-33	-16.2%	TRUE	247	207	-40	-16.2%	TRUE	194	166	-28	-14.5%	TRUE
Route 3_1 SB	143	110	-33	-23.3%	TRUE	157	116	-42	-26.4%	TRUE	138	110	-28	-20.4%	TRUE
Route 3_2 SB	60	53	-6	-10.3%	TRUE	90	86	-4	-4.6%	TRUE	56	51	-5	-9.2%	TRUE
Route 4_1 EB	197	207	9	4.8%	TRUE	281	93	-189	-67.0%	FALSE	171	99	-72	-41.9%	FALSE
Route 4_2 EB	183	117	-66	-36.1%	FALSE	127	118	-10	-7.6%	TRUE	144	117	-28	-19.1%	TRUE
Route 4_3 EB	42	33	-10	-22.4%	TRUE	39	40	1	3.1%	TRUE	39	34	-5	-12.5%	TRUE
Route 4_4	77	50	-27	-35.1%	TRUE	83	58	-25	-30.3%	TRUE	78	52	-27	-34.2%	TRUE
Route 4_5	63	67	4	6.5%	TRUE	64	80	16	25.1%	TRUE	68	79	11	16.4%	TRUE
Route 4_6	79	52	-27	-34.1%	TRUE	81	57	-24	-29.5%	TRUE	85	53	-32	-38.0%	TRUE
Route 4_7	71	62	-9	-12.2%	TRUE	53	55	2	3.4%	TRUE	51	42	-9	-16.8%	TRUE
Route 4_8	48	30	-19	-39.0%	TRUE	51	35	-16	-31.8%	TRUE	50	29	-21	-41.6%	TRUE
Route 4_3 WB	65	45	-20	-31.5%	TRUE	85	62	-22	-26.5%	TRUE	66	47	-19	-28.7%	TRUE
Route 4_2 WB	78	82	4	5.4%	TRUE	84	93	9	10.6%	TRUE	85	88	3	3.1%	TRUE
Route 5_1 CW	63	67	4	6.5%	TRUE	64	80	16	25.1%	TRUE	68	79	11	16.4%	TRUE
Route 5_2 CW	71	70	-1	-0.9%	TRUE	76	83	8	10.1%	TRUE	78	72	-5	-6.9%	TRUE
Route 5_3 CW	144	120	-24	-16.5%	TRUE	160	118	-42	-26.2%	TRUE	158	113	-46	-28.8%	TRUE
Route 5_4 CW	172	119	-54	-31.2%	TRUE	160	119	-41	-25.7%	TRUE	189	118	-71	-37.4%	FALSE
Route 5_5 CW	135	87	-48	-35.3%	TRUE	173	87	-86	-49.6%	FALSE	92	86	-6	-6.0%	TRUE
Route 5_6 CW	80	67	-13	-16.4%	TRUE	87	68	-19	-22.1%	TRUE	80	67	-13	-16.1%	TRUE
Route 5_7 CW	139	123	-16	-11.8%	TRUE	130	115	-15	-11.3%	TRUE	121	109	-12	-9.7%	TRUE
Route 5_8 CW	73	52	-21	-28.5%	TRUE	74	62	-12	-16.8%	TRUE	71	55	-16	-23.0%	TRUE
Route 5_8 ACW	93	79	-14	-14.7%	TRUE	79	79	1	1.1%	TRUE	76	70	-7	-8.6%	TRUE
Route 5_7 ACW	101	94	-7	-7.2%	TRUE	101	92	-8	-8.3%	TRUE	96	91	-5	-4.7%	TRUE
Route 5_6 ACW	85	69	-16	-18.9%	TRUE	74	67	-6	-8.5%	TRUE	77	68	-9	-12.1%	TRUE
Route 5_5 ACW	101	86	-15	-14.7%	TRUE	103	86	-17	-16.5%	TRUE	93	86	-7	-7.0%	TRUE
Route 5_4 ACW	161	118	-43	-26.5%	TRUE	156	118	-39	-24.8%	TRUE	151	117	-34	-22.4%	TRUE





Route	Observed AM	Modelled AM	Diff AM	Diff% AM	WebTAG AM	Observed PM	Modelled PM	Diff PM	Diff% PM	WebTAG PM	Observed IP	Modelled IP	Diff IP	Diff% IP	WebTAG IP
Route 5_3 ACW	198	116	-82	-41.5%	FALSE	146	121	-25	-17.0%	TRUE	145	120	-25	-17.4%	TRUE
Route 5_2 ACW	102	92	-10	-10.2%	TRUE	90	81	-9	-10.3%	TRUE	93	91	-2	-2.0%	TRUE
Route 5_1 ACW	49	56	7	14.6%	TRUE	48	42	-7	-14.2%	TRUE	54	45	-9	-16.5%	TRUE
Route 6_2 NB	66	60	-6	-9.2%	TRUE	52	55	3	5.4%	TRUE	52	52	0	-0.5%	TRUE
Route 6_3 NB	61	79	18	28.7%	TRUE	62	82	20	32.9%	TRUE	61	77	17	27.2%	TRUE
Route 6_4 NB	23	14	-9	-38.7%	TRUE	27	13	-13	-50.2%	TRUE	21	13	-8	-36.8%	TRUE
Route 6_5 NB	18	31	13	75.9%	TRUE	28	43	15	52.2%	TRUE	17	26	9	56.8%	TRUE
Route 6_5 SB	11	8	-3	-23.8%	TRUE	12	8	-4	-34.8%	TRUE	10	8	-2	-22.9%	TRUE
Route 6_4 SB	31	39	8	26.6%	TRUE	30	49	19	64.3%	TRUE	32	40	8	23.5%	TRUE
Route 6_3 SB	61	55	-5	-8.9%	TRUE	61	53	-9	-13.9%	TRUE	61	57	-4	-6.6%	TRUE
Route 6_2 SB	110	81	-29	-26.1%	TRUE	63	74	11	17.7%	TRUE	70	55	-15	-20.9%	TRUE
Route 7 NB	359	476	118	32.9%	FALSE	367	593	226	61.4%	FALSE	342	376	34	9.9%	TRUE
Route 7_1 NB	89	53	-37	-41.0%	TRUE	89	53	-36	-40.1%	TRUE	86	52	-34	-39.6%	TRUE
Route 7_2 NB	64	81	17	26.3%	TRUE	65	84	19	30.0%	TRUE	64	79	15	24.1%	TRUE
Route 7_3 NB	118	107	-11	-9.6%	TRUE	117	144	27	23.1%	TRUE	110	102	-8	-6.9%	TRUE
Route 7_4 NB	87	224	136	156.3%	FALSE	97	311	215	221.9%	FALSE	82	128	45	55.3%	TRUE
Route 7 SB	411	322	-90	-21.8%	FALSE	545	369	-176	-32.3%	FALSE	363	292	-71	-19.6%	FALSE
Route 7_4 SB	162	97	-65	-40.2%	FALSE	283	118	-165	-58.2%	FALSE	120	71	-49	-40.7%	TRUE
Route 7_3 SB	110	112	2	1.6%	TRUE	120	125	6	4.7%	TRUE	104	109	5	5.0%	TRUE
Route 7_2 SB	55	52	-2	-4.1%	TRUE	56	52	-4	-6.6%	TRUE	55	51	-4	-7.4%	TRUE
Route 7_1 SB	85	55	-30	-35.3%	TRUE	87	55	-32	-37.0%	TRUE	84	55	-29	-34.3%	TRUE
Route 8 NB	136	124	-13	-9.3%	TRUE	151	126	-24	-16.2%	TRUE	168	129	-39	-23.2%	TRUE
Route 8 SB	179	166	-13	-7.1%	TRUE	198	171	-27	-13.8%	TRUE	201	174	-27	-13.6%	TRUE





County Hall  
Martineau Lane  
Norwich  
NR1 2DH

[wsp.com](http://wsp.com)

Public