

COTTEE

Transport Planning

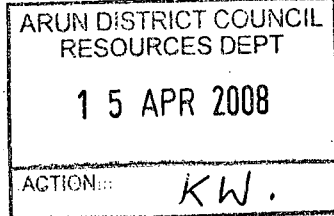
Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel: 01376 573400
Fax: 01376 573480
email: info@cottee-tp.co.uk

Our Ref: GK / 0704

14th April 2008

Mr Paul Jackson Cole
Development Planning
West Sussex County Council
First Floor
Northleigh
County Hall
Chichester
PO19 1QT



Dear Mr Jackson-Cole

**Planning Application BE / 1 / 08
Oldlands Farm Business Park**

Further to my letter of 27th March responding to West Sussex County Council comments on the planning application I now enclose a further submission which deals with the traffic analysis.

My comments below respond to the order raised by WSCC.

Network Traffic Growth

The procedure undertaken to establish growth rates is the method normally applied and it has never been previously questioned. However the revised analysis has incorporated the growth rate of 1.196 which you suggest.

Development Traffic Generation

Foodstore trip rates agreed - noted.
Business Park trip rates agreed - noted.

Multimodal Business Park Trip Rates – These were not agreed and so at **Appendix A** I have attached a revised analysis removing the surveys which were not considered appropriate and replace these at Appendix K of the Transport Assessment. With these trip rates the table in paragraph 3.10 should read:

	AM PEAK			PM PEAK		
	Trip Rate	1100 sqm	19500 sqm	Trip Rate	1100 sqm	19500sqm
Vehicles	1.759	19	343	1.417	16	276
Total People	2.216	24	432	1.851	20	361
Pedestrians	0.109	1	21	0.131	1	26
Cyclists	0.056	1	11	0.056	1	11
Public Transport	0.079	1	15	0.077	1	15

Development Parking Provision – There is always the possibility that as the scheme progresses and future occupiers are known, the parking provision could reduce but at this stage a provision within maximum standards is appropriate.

Development Traffic Distribution and Assignment agreed – noted.

Transfer from TESCO – I enclose a copy of Table 10 at **Appendix B** which shows the diversion of trade. The various zones are illustrated in the Transport Assessment. Table 10 illustrates the 65% draw from Tesco's, Shripney Road (28.93 / 44.5) and also the 15% draw from Sainsburys in Chichester (6.68 / 44.5) which assists in the argument for retaining an outflow within the catchment.

Trips generated by Asda – The difference on the figures between the text and the flow diagrams is explained by the gross floor area. The text refers to 7,900 sqm which related to an earlier foodstore design. The application is for a 7,500 sqm foodstore which is used in the traffic analysis diagrams. The bigger difference in the Saturday peak hour is because the network peak hour is 1200 – 1300 for which the correct trip rates have been used. The traffic flows you quoted were based on the 1100 – 1200 time period.

Traffic Analysis – The traffic analysis has been revised based on your suggested growth rate and some figures corrected. The revised analysis is included at **Appendix C**.

The revised capacity assessments are included at **Appendix D** including a revised analysis of the signalised roundabout.

A capacity analysis of the A29 / A259 is included at **Appendix E** in which you will note the site has little impact.

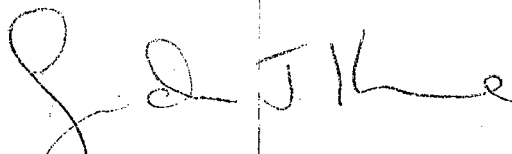
I will forward all the data files to Guy Parfect for his review.

I would be grateful if you would confirm that this revised analysis now satisfies the Highway Authority.

I will update the Travel Plans and forward revised versions shortly.

Kind regards

Yours sincerely,



GORDON KRUSE
Principal Consultant

E-mail: gordon@cottee-tp.co.uk

Encls.

cc. ~~Keith Wheway~~ - Arun District Council
cc. Sue Smales - Asda Stores Ltd (no appendices)
cc. Ed Tibbetts - Drivers Jonas

COTTEE

Transport Planning

Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel: 01376 573400
Fax: 01376 573480
email: info@cottee-tp.co.uk

OLDLANDS FARM BUSINESS PARK

**APPENDICES TO BE READ IN
CONJUNCTION WITH THE
LETTER DATED 14 APRIL 2008**

GK / 0704

Apr 2008

APPENDIX A

MULTIMODAL BUSINESS PARK TRIP RATES

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : B - BUSINESS PARK

MULTI-MODAL VEHICLESSelected regions and areas:

02	SOUTH EAST	
	BU BUCKINGHAMSHIRE	1 days
	OX OXFORDSHIRE	1 days
03	SOUTH WEST	
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	NF NORFOLK	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	ST STAFFORDSHIRE	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NO NORTH LINCOLNSHIRE	1 days
10	WALES	
	CF CARDIFF	2 days
11	SCOTLAND	
	EB CITY OF EDINBURGH	1 days

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

Main parameter selection:

Parameter: Gross floor area
 Range: 975 to 118448 (units: sqm)

Date Range: 01/01/99 to 17/05/07

Selected survey days:

Monday	2 days
Tuesday	5 days
Wednesday	2 days
Thursday	5 days
Friday	1 days

Selected survey types:

Manual count	15 days
Directional ATC Count	0 days

Selected Locations:

Suburban Area (PPS6 Out of Centre)	4
Edge of Town	12

Selected Location Sub Categories:

Industrial Zone	8
Commercial Zone	2
Residential Zone	2
Retail Zone	1
No Sub Category	3

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave GFA	Trip Rate	No. Days	Ave GFA	Trip Rate	No. Days	Ave GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.157	15	15449	0.037	15	15449	0.194
07:30 - 08:00	15	15449	0.447	15	15449	0.048	15	15449	0.495
08:00 - 08:30	15	15449	0.720	15	15449	0.090	15	15449	0.810
08:30 - 09:00	15	15449	0.851	15	15449	0.098	15	15449	0.949
09:00 - 09:30	15	15449	0.637	15	15449	0.114	15	15449	0.751
09:30 - 10:00	15	15449	0.361	15	15449	0.109	15	15449	0.470
10:00 - 10:30	15	15449	0.188	15	15449	0.108	15	15449	0.296
10:30 - 11:00	15	15449	0.148	15	15449	0.105	15	15449	0.253
11:00 - 11:30	15	15449	0.139	15	15449	0.120	15	15449	0.259
11:30 - 12:00	15	15449	0.110	15	15449	0.157	15	15449	0.267
12:00 - 12:30	15	15449	0.155	15	15449	0.352	15	15449	0.507
12:30 - 13:00	15	15449	0.245	15	15449	0.298	15	15449	0.543
13:00 - 13:30	15	15449	0.299	15	15449	0.281	15	15449	0.580
13:30 - 14:00	15	15449	0.313	15	15449	0.169	15	15449	0.482
14:00 - 14:30	15	15449	0.181	15	15449	0.174	15	15449	0.355
14:30 - 15:00	15	15449	0.150	15	15449	0.172	15	15449	0.322
15:00 - 15:30	15	15449	0.120	15	15449	0.197	15	15449	0.317
15:30 - 16:00	15	15449	0.112	15	15449	0.262	15	15449	0.374
16:00 - 16:30	15	15449	0.101	15	15449	0.379	15	15449	0.480
16:30 - 17:00	15	15449	0.085	15	15449	0.520	15	15449	0.605
17:00 - 17:30	15	15449	0.094	15	15449	0.642	15	15449	0.736
17:30 - 18:00	15	15449	0.075	15	15449	0.606	15	15449	0.681
18:00 - 18:30	15	15449	0.047	15	15449	0.349	15	15449	0.396
18:30 - 19:00	15	15449	0.029	15	15449	0.176	15	15449	0.205
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			5.764			5.563			11.327

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

TRICS 2008(a)

(C) 2008 JMP Consulting on behalf of the TRICS Consortium

Thursday 27/03/08

Page 1

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.193	15	15449	0.054	15	15449	0.247
07:30 - 08:00	15	15449	0.543	15	15449	0.063	15	15449	0.606
08:00 - 08:30	15	15449	0.905	15	15449	0.109	15	15449	1.014
08:30 - 09:00	15	15449	1.081	15	15449	0.121	15	15449	1.202
09:00 - 09:30	15	15449	0.764	15	15449	0.126	15	15449	0.890
09:30 - 10:00	15	15449	0.454	15	15449	0.133	15	15449	0.587
10:00 - 10:30	15	15449	0.238	15	15449	0.134	15	15449	0.372
10:30 - 11:00	15	15449	0.192	15	15449	0.129	15	15449	0.321
11:00 - 11:30	15	15449	0.170	15	15449	0.145	15	15449	0.315
11:30 - 12:00	15	15449	0.147	15	15449	0.201	15	15449	0.348
12:00 - 12:30	15	15449	0.220	15	15449	0.510	15	15449	0.730
12:30 - 13:00	15	15449	0.359	15	15449	0.449	15	15449	0.808
13:00 - 13:30	15	15449	0.494	15	15449	0.448	15	15449	0.942
13:30 - 14:00	15	15449	0.457	15	15449	0.250	15	15449	0.707
14:00 - 14:30	15	15449	0.276	15	15449	0.225	15	15449	0.501
14:30 - 15:00	15	15449	0.199	15	15449	0.216	15	15449	0.415
15:00 - 15:30	15	15449	0.144	15	15449	0.245	15	15449	0.389
15:30 - 16:00	15	15449	0.135	15	15449	0.318	15	15449	0.453
16:00 - 16:30	15	15449	0.120	15	15449	0.460	15	15449	0.580
16:30 - 17:00	15	15449	0.107	15	15449	0.637	15	15449	0.744
17:00 - 17:30	15	15449	0.126	15	15449	0.850	15	15449	0.976
17:30 - 18:00	15	15449	0.108	15	15449	0.767	15	15449	0.875
18:00 - 18:30	15	15449	0.059	15	15449	0.429	15	15449	0.488
18:30 - 19:00	15	15449	0.041	15	15449	0.221	15	15449	0.262
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			7.532				7.240	14.772	

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL PEDESTRIANS**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.005	15	15449	0.000	15	15449	0.005
07:30 - 08:00	15	15449	0.014	15	15449	0.005	15	15449	0.019
08:00 - 08:30	15	15449	0.036	15	15449	0.005	15	15449	0.041
08:30 - 09:00	15	15449	0.061	15	15449	0.007	15	15449	0.068
09:00 - 09:30	15	15449	0.031	15	15449	0.005	15	15449	0.036
09:30 - 10:00	15	15449	0.022	15	15449	0.009	15	15449	0.031
10:00 - 10:30	15	15449	0.012	15	15449	0.008	15	15449	0.020
10:30 - 11:00	15	15449	0.006	15	15449	0.008	15	15449	0.014
11:00 - 11:30	15	15449	0.008	15	15449	0.003	15	15449	0.011
11:30 - 12:00	15	15449	0.009	15	15449	0.011	15	15449	0.020
12:00 - 12:30	15	15449	0.031	15	15449	0.061	15	15449	0.092
12:30 - 13:00	15	15449	0.054	15	15449	0.100	15	15449	0.154
13:00 - 13:30	15	15449	0.099	15	15449	0.101	15	15449	0.200
13:30 - 14:00	15	15449	0.069	15	15449	0.043	15	15449	0.112
14:00 - 14:30	15	15449	0.040	15	15449	0.015	15	15449	0.055
14:30 - 15:00	15	15449	0.015	15	15449	0.011	15	15449	0.026
15:00 - 15:30	15	15449	0.006	15	15449	0.005	15	15449	0.011
15:30 - 16:00	15	15449	0.006	15	15449	0.014	15	15449	0.020
16:00 - 16:30	15	15449	0.003	15	15449	0.011	15	15449	0.014
16:30 - 17:00	15	15449	0.007	15	15449	0.017	15	15449	0.024
17:00 - 17:30	15	15449	0.010	15	15449	0.061	15	15449	0.071
17:30 - 18:00	15	15449	0.014	15	15449	0.046	15	15449	0.060
18:00 - 18:30	15	15449	0.003	15	15449	0.019	15	15449	0.022
18:30 - 19:00	15	15449	0.001	15	15449	0.012	15	15449	0.013
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.562			0.577			1.139

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL PUBLIC TRANSPORT USERS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.003	15	15449	0.000	15	15449	0.003
07:30 - 08:00	15	15449	0.023	15	15449	0.000	15	15449	0.023
08:00 - 08:30	15	15449	0.028	15	15449	0.001	15	15449	0.029
08:30 - 09:00	15	15449	0.049	15	15449	0.001	15	15449	0.050
09:00 - 09:30	15	15449	0.017	15	15449	0.000	15	15449	0.017
09:30 - 10:00	15	15449	0.007	15	15449	0.001	15	15449	0.008
10:00 - 10:30	15	15449	0.004	15	15449	0.003	15	15449	0.007
10:30 - 11:00	15	15449	0.004	15	15449	0.000	15	15449	0.004
11:00 - 11:30	15	15449	0.001	15	15449	0.003	15	15449	0.004
11:30 - 12:00	15	15449	0.000	15	15449	0.000	15	15449	0.000
12:00 - 12:30	15	15449	0.002	15	15449	0.000	15	15449	0.002
12:30 - 13:00	15	15449	0.000	15	15449	0.001	15	15449	0.001
13:00 - 13:30	15	15449	0.002	15	15449	0.000	15	15449	0.002
13:30 - 14:00	15	15449	0.002	15	15449	0.001	15	15449	0.003
14:00 - 14:30	15	15449	0.001	15	15449	0.000	15	15449	0.001
14:30 - 15:00	15	15449	0.000	15	15449	0.003	15	15449	0.003
15:00 - 15:30	15	15449	0.000	15	15449	0.002	15	15449	0.002
15:30 - 16:00	15	15449	0.000	15	15449	0.005	15	15449	0.005
16:00 - 16:30	15	15449	0.001	15	15449	0.010	15	15449	0.011
16:30 - 17:00	15	15449	0.002	15	15449	0.022	15	15449	0.024
17:00 - 17:30	15	15449	0.005	15	15449	0.041	15	15449	0.046
17:30 - 18:00	15	15449	0.005	15	15449	0.026	15	15449	0.031
18:00 - 18:30	15	15449	0.001	15	15449	0.009	15	15449	0.010
18:30 - 19:00	15	15449	0.000	15	15449	0.002	15	15449	0.002
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.157			0.131			0.288

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.007	15	15449	0.001	15	15449	0.008
07:30 - 08:00	15	15449	0.011	15	15449	0.000	15	15449	0.011
08:00 - 08:30	15	15449	0.020	15	15449	0.003	15	15449	0.023
08:30 - 09:00	15	15449	0.032	15	15449	0.001	15	15449	0.033
09:00 - 09:30	15	15449	0.021	15	15449	0.001	15	15449	0.022
09:30 - 10:00	15	15449	0.012	15	15449	0.002	15	15449	0.014
10:00 - 10:30	15	15449	0.005	15	15449	0.001	15	15449	0.006
10:30 - 11:00	15	15449	0.003	15	15449	0.001	15	15449	0.004
11:00 - 11:30	15	15449	0.001	15	15449	0.002	15	15449	0.003
11:30 - 12:00	15	15449	0.003	15	15449	0.003	15	15449	0.006
12:00 - 12:30	15	15449	0.002	15	15449	0.003	15	15449	0.005
12:30 - 13:00	15	15449	0.005	15	15449	0.004	15	15449	0.009
13:00 - 13:30	15	15449	0.002	15	15449	0.006	15	15449	0.008
13:30 - 14:00	15	15449	0.004	15	15449	0.006	15	15449	0.010
14:00 - 14:30	15	15449	0.004	15	15449	0.003	15	15449	0.007
14:30 - 15:00	15	15449	0.001	15	15449	0.002	15	15449	0.003
15:00 - 15:30	15	15449	0.000	15	15449	0.002	15	15449	0.002
15:30 - 16:00	15	15449	0.001	15	15449	0.005	15	15449	0.006
16:00 - 16:30	15	15449	0.002	15	15449	0.009	15	15449	0.011
16:30 - 17:00	15	15449	0.003	15	15449	0.015	15	15449	0.018
17:00 - 17:30	15	15449	0.004	15	15449	0.022	15	15449	0.026
17:30 - 18:00	15	15449	0.003	15	15449	0.027	15	15449	0.030
18:00 - 18:30	15	15449	0.001	15	15449	0.019	15	15449	0.020
18:30 - 19:00	15	15449	0.002	15	15449	0.009	15	15449	0.011
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.149			0.147			0.296

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.178	15	15449	0.053	15	15449	0.231
07:30 - 08:00	15	15449	0.495	15	15449	0.058	15	15449	0.553
08:00 - 08:30	15	15449	0.822	15	15449	0.101	15	15449	0.923
08:30 - 09:00	15	15449	0.939	15	15449	0.112	15	15449	1.051
09:00 - 09:30	15	15449	0.696	15	15449	0.120	15	15449	0.816
09:30 - 10:00	15	15449	0.412	15	15449	0.121	15	15449	0.533
10:00 - 10:30	15	15449	0.217	15	15449	0.122	15	15449	0.339
10:30 - 11:00	15	15449	0.179	15	15449	0.119	15	15449	0.298
11:00 - 11:30	15	15449	0.160	15	15449	0.136	15	15449	0.296
11:30 - 12:00	15	15449	0.134	15	15449	0.187	15	15449	0.321
12:00 - 12:30	15	15449	0.186	15	15449	0.446	15	15449	0.632
12:30 - 13:00	15	15449	0.300	15	15449	0.344	15	15449	0.644
13:00 - 13:30	15	15449	0.391	15	15449	0.341	15	15449	0.732
13:30 - 14:00	15	15449	0.382	15	15449	0.200	15	15449	0.582
14:00 - 14:30	15	15449	0.232	15	15449	0.206	15	15449	0.438
14:30 - 15:00	15	15449	0.183	15	15449	0.201	15	15449	0.384
15:00 - 15:30	15	15449	0.138	15	15449	0.236	15	15449	0.374
15:30 - 16:00	15	15449	0.128	15	15449	0.295	15	15449	0.423
16:00 - 16:30	15	15449	0.114	15	15449	0.430	15	15449	0.544
16:30 - 17:00	15	15449	0.096	15	15449	0.584	15	15449	0.680
17:00 - 17:30	15	15449	0.107	15	15449	0.726	15	15449	0.833
17:30 - 18:00	15	15449	0.086	15	15449	0.668	15	15449	0.754
18:00 - 18:30	15	15449	0.054	15	15449	0.381	15	15449	0.435
18:30 - 19:00	15	15449	0.037	15	15449	0.198	15	15449	0.235
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			6.666			6.385			13.051

Cottee Transport Planning Threshelfords Business Park Feering

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

APPENDIX B

RETAIL IMPACT STUDY TABLE 10

TRICS 2008(a)

(C) 2008 JMP Consulting on behalf of the TRICS Consortium

Thursday 27/03/08

Page 1

Cottee Transport Planning Threshelfords Business Park Feering

Licence No: 719701

TRIP RATE for Land Use 02 - EMPLOYMENT/B - BUSINESS PARK

MULTI-MODAL OGVS**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate	No Days	Ave GFA	Trip Rate
00:00 - 00:30	0	0	0.000	0	0	0.000	0	0	0.000
00:30 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 01:30	0	0	0.000	0	0	0.000	0	0	0.000
01:30 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 02:30	0	0	0.000	0	0	0.000	0	0	0.000
02:30 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 03:30	0	0	0.000	0	0	0.000	0	0	0.000
03:30 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 04:30	0	0	0.000	0	0	0.000	0	0	0.000
04:30 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 05:30	0	0	0.000	0	0	0.000	0	0	0.000
05:30 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 06:30	0	0	0.000	0	0	0.000	0	0	0.000
06:30 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 07:30	15	15449	0.000	15	15449	0.003	15	15449	0.003
07:30 - 08:00	15	15449	0.003	15	15449	0.004	15	15449	0.007
08:00 - 08:30	15	15449	0.009	15	15449	0.004	15	15449	0.013
08:30 - 09:00	15	15449	0.006	15	15449	0.006	15	15449	0.012
09:00 - 09:30	15	15449	0.007	15	15449	0.009	15	15449	0.016
09:30 - 10:00	15	15449	0.007	15	15449	0.005	15	15449	0.012
10:00 - 10:30	15	15449	0.007	15	15449	0.006	15	15449	0.013
10:30 - 11:00	15	15449	0.005	15	15449	0.006	15	15449	0.011
11:00 - 11:30	15	15449	0.010	15	15449	0.012	15	15449	0.022
11:30 - 12:00	15	15449	0.009	15	15449	0.009	15	15449	0.018
12:00 - 12:30	15	15449	0.004	15	15449	0.008	15	15449	0.012
12:30 - 13:00	15	15449	0.005	15	15449	0.007	15	15449	0.012
13:00 - 13:30	15	15449	0.004	15	15449	0.004	15	15449	0.008
13:30 - 14:00	15	15449	0.004	15	15449	0.003	15	15449	0.007
14:00 - 14:30	15	15449	0.006	15	15449	0.002	15	15449	0.008
14:30 - 15:00	15	15449	0.008	15	15449	0.007	15	15449	0.015
15:00 - 15:30	15	15449	0.005	15	15449	0.003	15	15449	0.008
15:30 - 16:00	15	15449	0.004	15	15449	0.003	15	15449	0.007
16:00 - 16:30	15	15449	0.005	15	15449	0.007	15	15449	0.012
16:30 - 17:00	15	15449	0.002	15	15449	0.002	15	15449	0.004
17:00 - 17:30	15	15449	0.003	15	15449	0.003	15	15449	0.006
17:30 - 18:00	15	15449	0.001	15	15449	0.003	15	15449	0.004
18:00 - 18:30	15	15449	0.000	15	15449	0.001	15	15449	0.001
18:30 - 19:00	15	15449	0.000	15	15449	0.000	15	15449	0.000
19:00 - 19:30	0	0	0.000	0	0	0.000	0	0	0.000
19:30 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 20:30	0	0	0.000	0	0	0.000	0	0	0.000
20:30 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 21:30	0	0	0.000	0	0	0.000	0	0	0.000
21:30 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 22:30	0	0	0.000	0	0	0.000	0	0	0.000
22:30 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 23:30	0	0	0.000	0	0	0.000	0	0	0.000
23:30 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.114			0.117			0.231

Cottee Transport Planning Threshelfords Business Park Feering

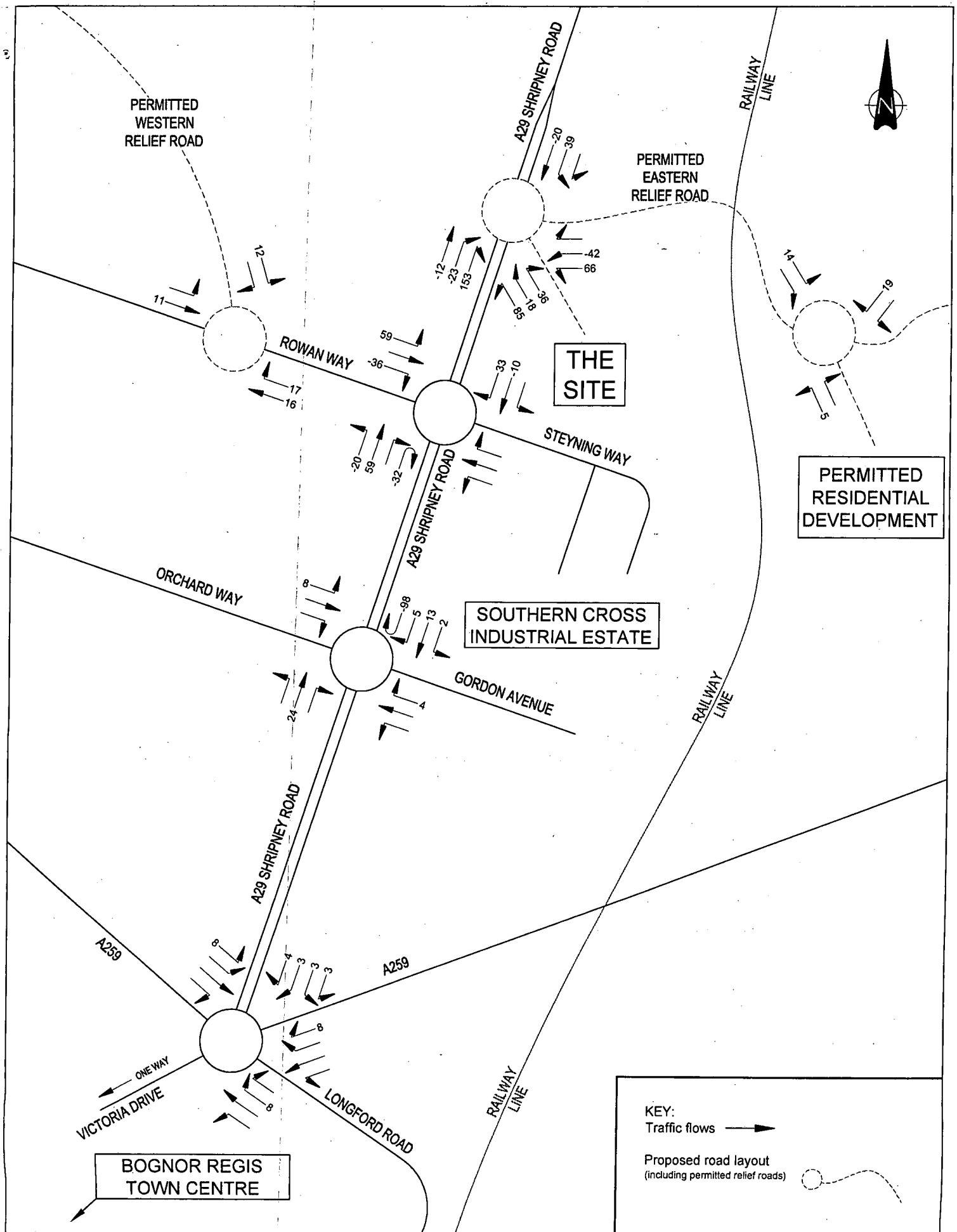
Licence No: 719701

Parameter summary

Trip rate parameter range selected:	975 - 118448 (units: sqm)
Survey date date range:	01/01/99 - 17/05/07
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	YES
Surveys manually removed from selection:	0

APPENDIX C

TRAFFIC ANALYSIS



Drawn **RICHARD DEALHOY** Checked **GJK**

Scale **NTS** Date **DEC 2007**

Drawing No. **0704/O**

Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.

COPYRIGHT RESERVED

Project

ASDA
part of the WAL*MART family

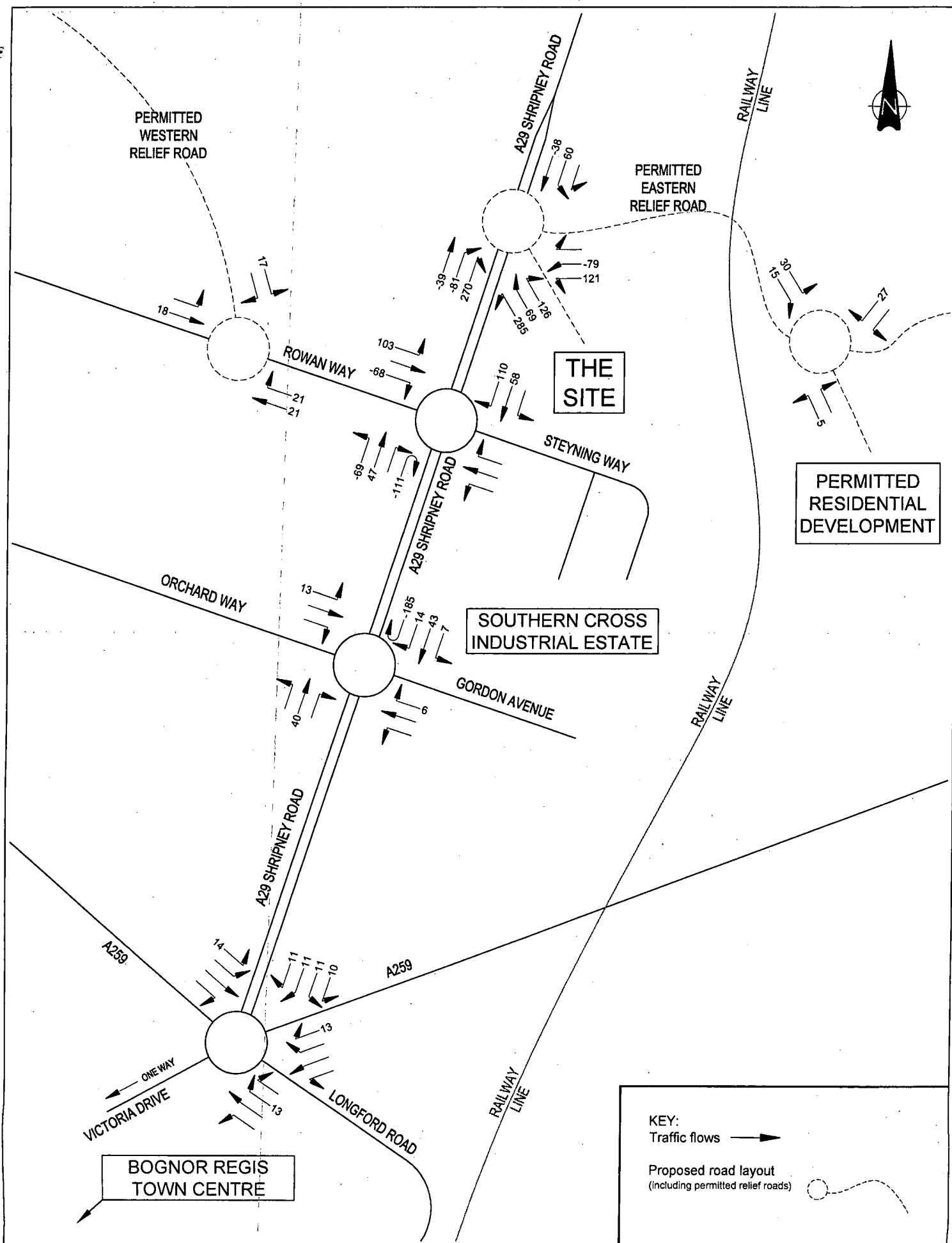
OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

**ASDA AND BUSINESS PARK (1,100sqm)
FRIDAY AM PEAK HOUR**

COTTEE Transport Planning

Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel : 01376 573400
Fax : 01376 573480
email : info@cottee-tp.co.uk



Drawn	RICHARD DEALHOY		Checked	GJK	
Scale	NTS		Date	DEC 2007	
Drawing No.	0704/P				
Coffee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.					

ASDA
part of the WAL*MART family

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

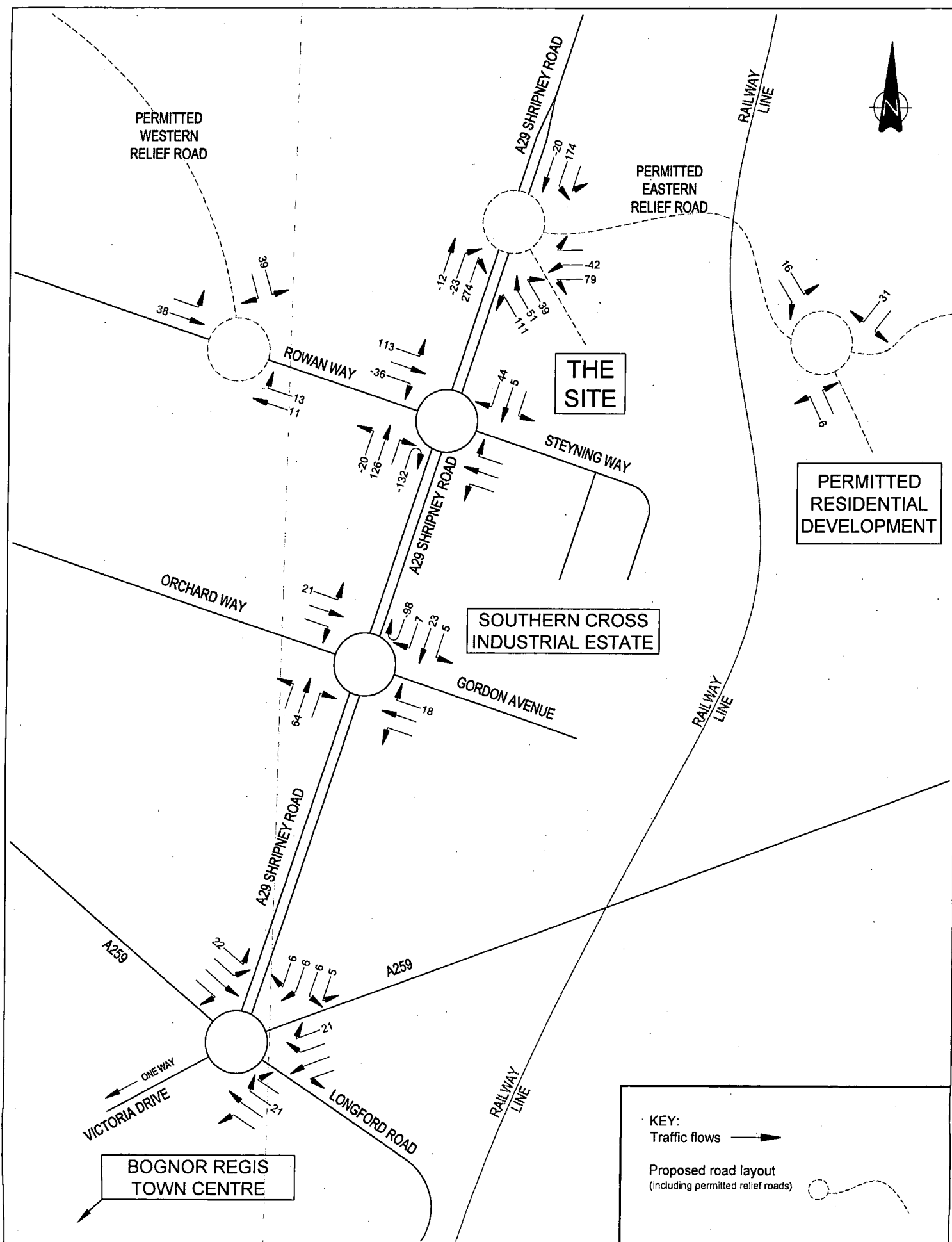
ASDA AND BUSINESS PARK (1,100sqm)

FRIDAY PM PEAK HOUR

COTTEE Transport Planning

Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel : 01376 573400
Fax : 01376 573480
email : info@cotee-tp.co.uk



Drawn	RICHARD DEALHOY	Checked	GJK
Scale	NTS	Date	DEC 2007
Drawing No.	0704/S		
Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.			
			COPYRIGHT RESERVED

Project

ASDA
part of the WAL*MART family

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

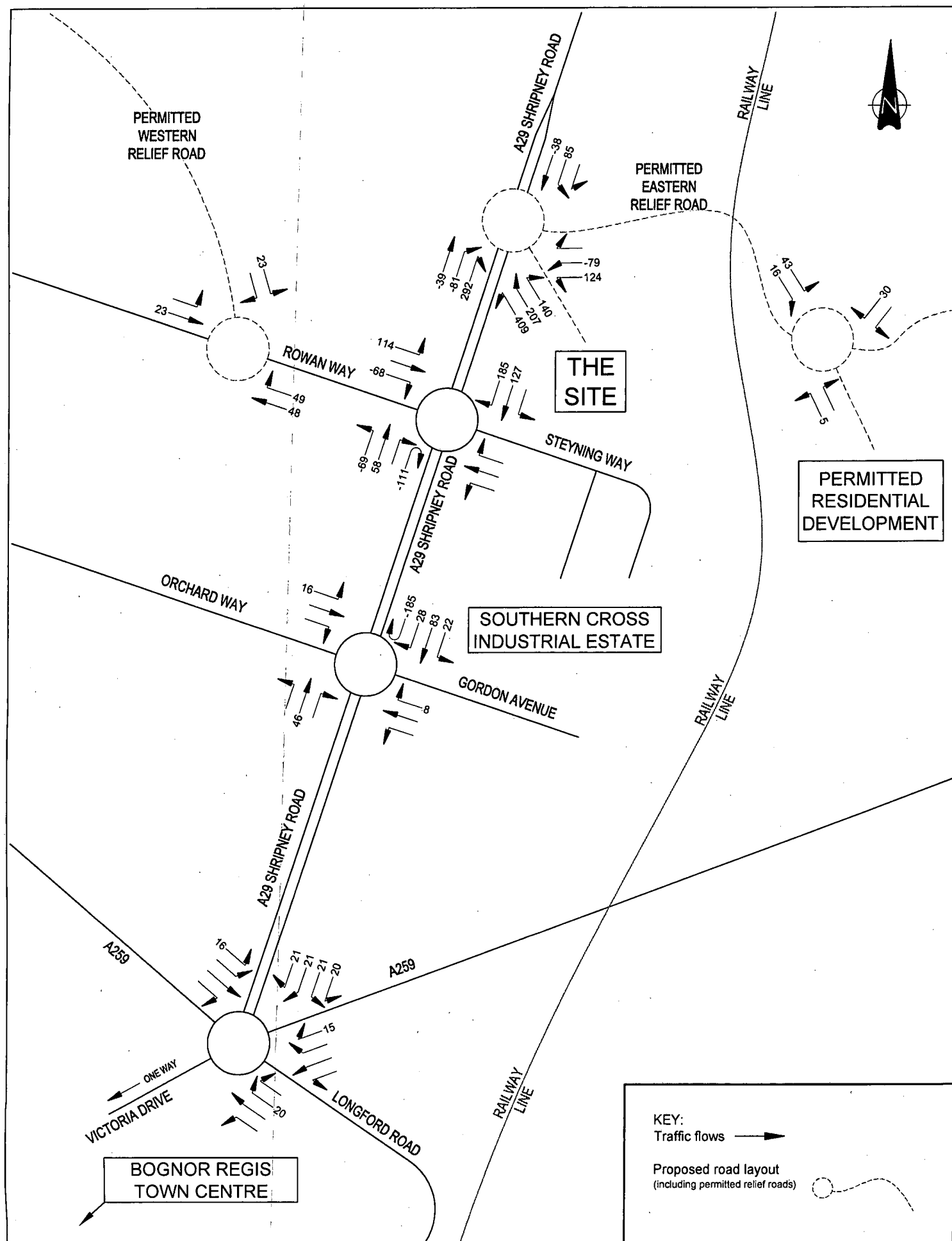
ASDA AND BUSINESS PARK (19,500sqm)

FRIDAY AM PEAK HOUR

COTTEE Transport Planning

Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel : 01376 573400
Fax : 01376 573480
email : info@cottee-tp.co.uk



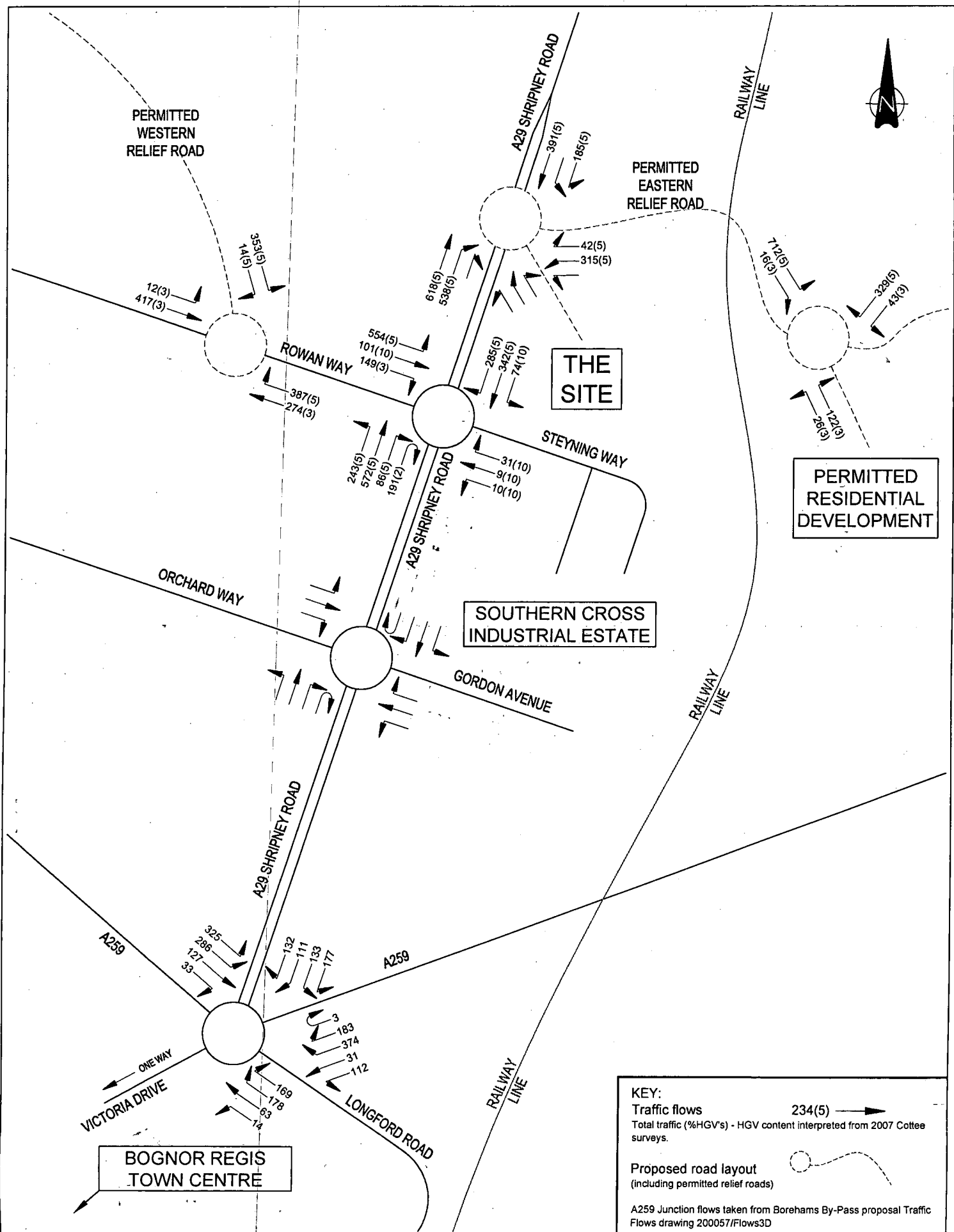
KEY:
 Traffic flows →
 Proposed road layout (including permitted relief roads) - - -

Drawn RICHARD DEALHOY	Checked GJK
Scale NTS	Date DEC 2007
Drawing No. 0704/T	
Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.	

Project

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS
ASDA AND BUSINESS PARK (19,500sqm)
FRIDAY PM PEAK HOUR

COTTEE Transport Planning
 Fir Lodge
 Threshelfords Business Park
 Feering
 Essex
 CO5 9SE
 Tel : 01376 573400
 Fax : 01376 573480
 email : info@cottee-tp.co.uk

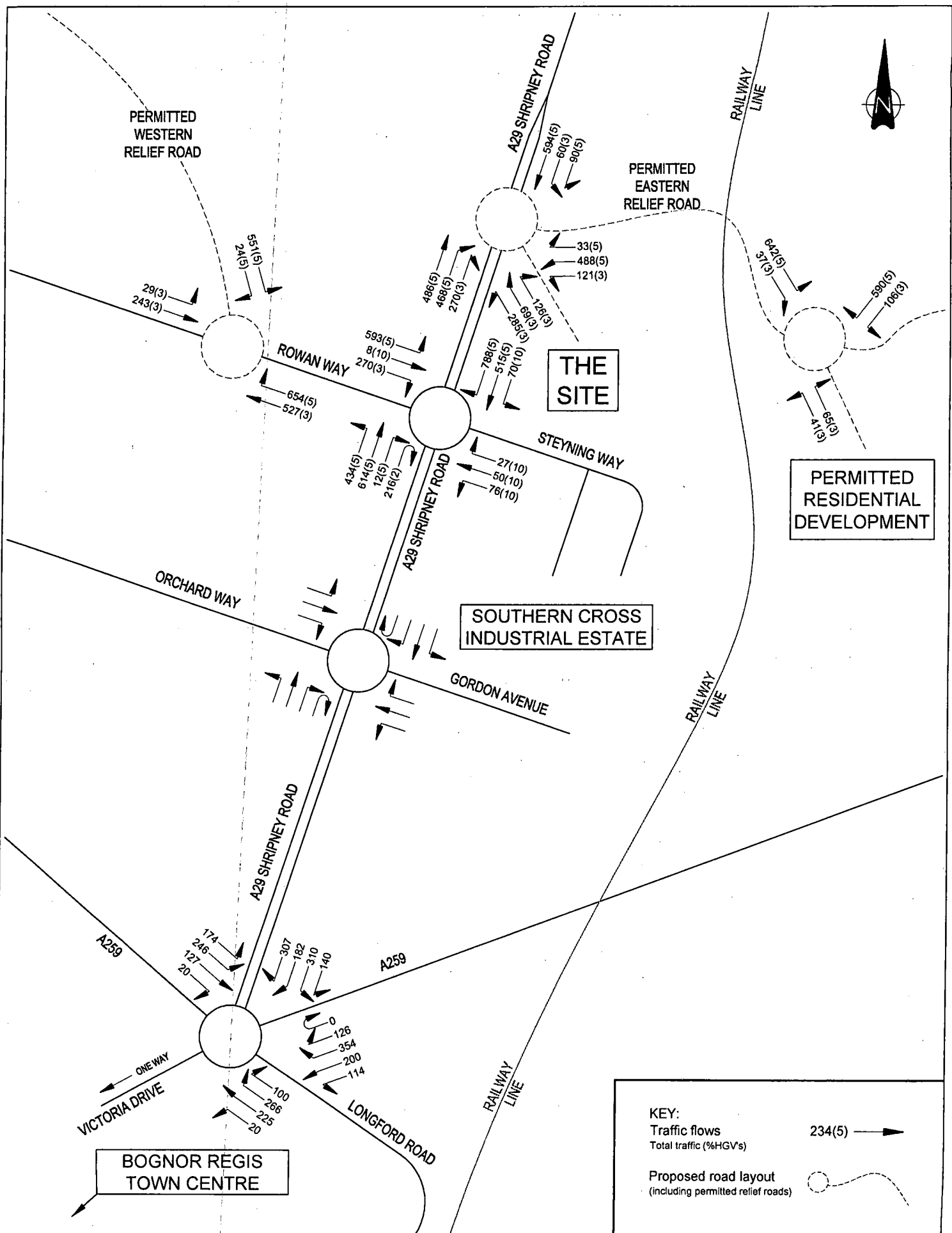


KEY:
Traffic flows 234(5) →
Total traffic (%HGV's) - HGV content interpreted from 2007 Cottee surveys.
Proposed road layout (including permitted relief roads)
A259 Junction flows taken from Borehams By-Pass proposal Traffic Flows drawing 200057/Flows3D

Drawn	RICHARD DEALHOY	Checked	GJK
Scale	NTS	Date	DEC 2007
Drawing No.	0704/CC1		
Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.			

ASDA
part of the WAL*MART family
OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS
2011 BASE ADJUSTED
FRIDAY AM PEAK HOUR

COTTEE Transport Planning
Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE
Tel : 01376 573400
Fax : 01376 573480
email : info@cottee-tp.co.uk



Drawn	RICHARD DEALHOY	Checked	GJK
Scale	NTS	Date	DEC 2007
Drawing No.	0704/HH1		
Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.			
			COPYRIGHT RESERVED

Project

ASDA
part of the WALMART family

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

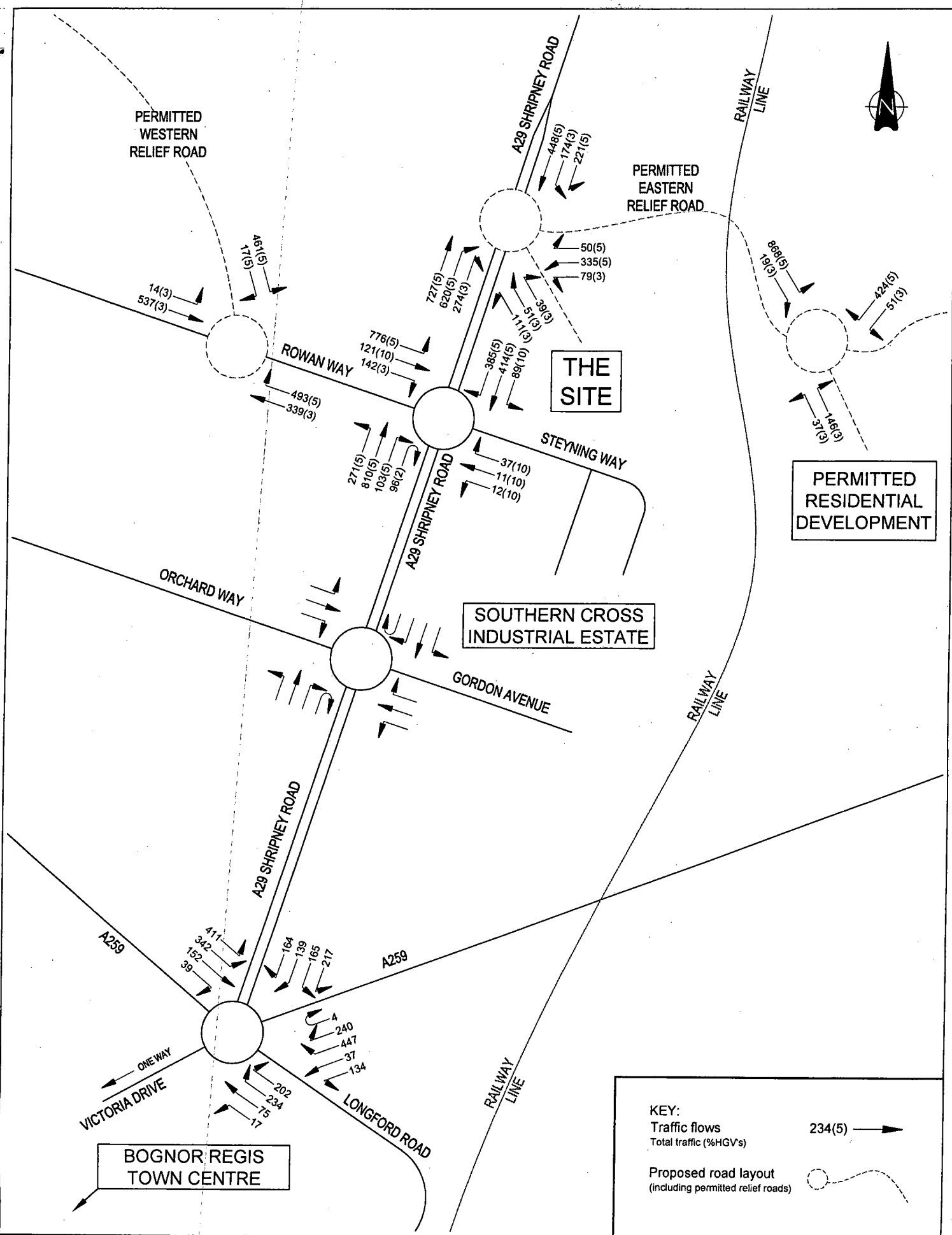
2011 BASE PLUS ASDA + BUSINESS PARK
(1,100sqm)

FRIDAY PM PEAK HOUR

COTTEE Transport Planning

Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel : 01376 573400
Fax : 01376 573480
email : info@cottee-tp.co.uk



Drawn RICHARD DEALHOY	Checked GJK
Scale NTS	Date DEC 2007
Drawing No. 0704/II1	
Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.	

ASDA
 part of the WAL*MART family

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

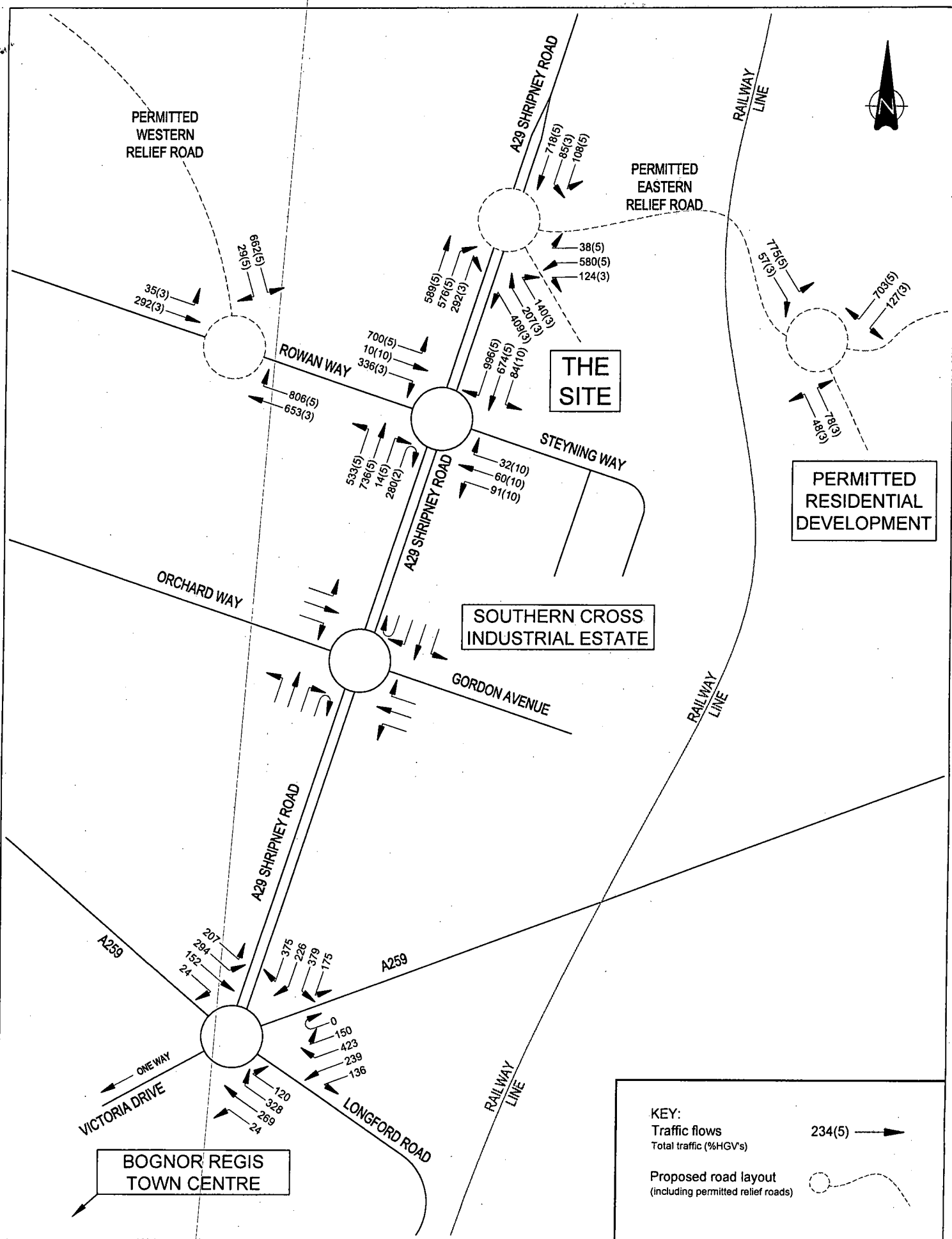
2025 BASE PLUS ASDA + BUSINESS PARK (19,500sqm)

FRIDAY AM PEAK HOUR

COTTEE Transport Planning

Fir Lodge
 Threshelfords Business Park
 Feering
 Essex
 CO5 9SE

Tel : 01376 573400
 Fax : 01376 573480
 email : info@cottee-tp.co.uk



Drawn	RICHARD DEALHOY	Checked	GJK
Scale	NTS	Date	DEC 2007
Drawing No.	0704/JJ1		
Cottee Highway & Transportation Consultants Ltd. accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.			

ASDA
part of the WALTAMART family

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

2025 BASE PLUS ASDA + BUSINESS PARK (19,500sqm)

FRIDAY PM PEAK HOUR

COTTEE Transport Planning

Fir Lodge
Threshelfords Business Park
Feering
Essex
CO5 9SE

Tel : 01376 573400
Fax : 01376 573480
email : info@cottee-tp.co.uk

COTTEE

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

PROPOSED SHRIPNEY ROAD (A29) / RELIEF ROAD / SITE ACCESS ROUNDBABOUT

ARCADY 6 ANALYSIS

Weekday AM Peak Hour

	Shripney Road (A29) south		Rowan Way		Shripney Road (A29) north		Steyning Way	
	RFC	Q	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.564	1	0.277	0	0.253	0	0	0
2025 Base	0.676	2	0.345	1	0.313	1	0	0
2011 Base + Asda + Business Park (1,100sqm)	0.632	2	0.304	0	0.290	0	0.10	0
2025 Base + Asda +Business Park (19,500sqm)	0.815	4	0.472	1	0.416	1	0.164	0

Weekday PM Peak Hour

	Shripney Road (A29) south		Rowan Way		Shripney Road (A29) north		Steyning Way	
	RFC	Q	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.523	1	0.349	1	0.474	1	0	0
2025 Base	0.627	2	0.435	1	0.602	2	0	0
2011 Base + Asda + Business Park (1,100sqm)	0.633	2	0.405	1	0.585	1	0.456	1
2025 Base + Asda +Business Park (19,500sqm)	0.797	4	0.528	1	0.746	3	0.825	4

RFC - Ratio of Flow to Capacity
Q - Number of Vehicles

COTTEE

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

EXISTING ROWAN WAY / SHRIPNEY ROAD (A29) / STEYNING WAY ROUNDAABOUT

ARCADY 6 ANALYSIS

Weekday AM Peak Hour

	Shripney Road (A29) south		Rowan Way		Shripney Road (A29) north		Steyning Way	
	RFC	Q	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.633	2	0.625	2	0.459	1	0.053	0
2025 Base	0.774	3	0.809	4	0.570	1	0.071	0
2011 Base + Asda + Business Park (1,100sqm)	0.645	2	0.652	2	0.463	1	0.052	0
2025 Base + Asda + Business Park (19,500sqm)	0.772	3	0.873	6	0.568	1	0.067	0

Weekday PM Peak Hour

	Shripney Road (A29) south		Rowan Way		Shripney Road (A29) north		Steyning Way	
	RFC	Q	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.953	14	0.657	2	0.830	5	0.286	0
2025 Base	1.198	*	0.789	4	1.020	*	0.440	1
2011 Base + Asda + Business Park (1,100sqm)	0.903	8	0.668	2	0.887	7	0.284	0
2025 Base + Asda + Business Park (19,500sqm)	1.142	*	0.826	5	1.173	*	0.422	1

* Queues cannot be accurately predicted on arms with an RFC > 1.000

RFC - Ratio of Flow to Capacity
Q - Number of Vehicles

COTTEE

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

PERMITTED ROWAN WAY / WESTERN RELIEF ROAD ROUNDABOUT

ARCADY 6 ANALYSIS

Weekday AM Peak Hour

	Rowan Way (east)		Rowan Way (west)		Permitted Western Relief Road	
	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.446	1	0.326	1	0.226	0
2025 Base	0.535	1	0.405	1	0.280	0
2011 Base + Asda + Business Park (1,100sqm)	0.469	1	0.337	1	0.234	0
2025 Base + Asda +Business Park (19,500sqm)	0.563	1	0.441	1	0.310	0

Weekday PM Peak Hour

	Rowan Way (east)		Rowan Way (west)		Permitted Western Relief Road	
	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.722	3	0.219	0	0.318	1
2025 Base	0.925	10	0.281	0	0.387	1
2011 Base + Asda + Business Park (1,100sqm)	0.800	4	0.237	0	0.330	1
2025 Base + Asda +Business Park (19,500sqm)	0.991	25	0.309	0	0.404	1

RFC - Ratio of Flow to Capacity
Q - Number of Vehicles

**Shripney Road / Rowan Way / Styning Way, Bognor Regis.
C0704-2.tnd TranEd - Transyt 12 Tests.**

TEST 0704/II1 - 2025+Asda+Business Park. Friday AM Peak. 08.00 – 09.00 Hrs.	Cycle Time Seconds	Degree of Saturation %	Queue Limit	Mean Max. Queue
LINK 10/12 – Shripney Road (S) @ Gyratory.	50	67	--	15
LINK 14/16 – Gyratory @ Shripney Road (S).	50	27	12	5
LINK 19 – Pedestrians @ Shripney Road (S).	50	1	--	0
LINK 20/22 – Rowan Way @ Gyratory.	50	63	--	12
LINK 24/26 – Gyratory @ Rowan Way.	50	58	9	4
LINK 30/32 – Shripney Road (N) @ Gyratory.	50	48	--	9
LINK 34/36 – Gyratory @ Shripney Road (N).	50	28	9	4
LINK 40 – Oldlands Way Give Way @ Gyratory.	--	6	--	0
LINK 44 – Gyratory @ Oldlands Way Give Way.	--	26	--	0
LINK 500 – Shripney Road Southbound @ Toucan Crossing.	50	25	--	2
LINK 502 – Pedestrians / cycles @ Toucan Crossing.	50	2	--	0

TEST 0704/JJ1 - 2025+Asda+Business Park. Friday PM Peak. 17.00 – 18.00 Hrs.	Cycle Time Seconds	Degree of Saturation %	Queue Limit	Mean Max. Queue
LINK 10/12 – Shripney Road (S) @ Gyratory.	50	78	--	20
LINK 14/16 – Gyratory @ Shripney Road (S).	50	70	12	12
LINK 19 – Pedestrians @ Shripney Road (S).	50	1	--	0
LINK 20/22 – Rowan Way @ Gyratory.	50	66	--	13
LINK 24/26 – Gyratory @ Rowan Way.	50	56	9	6
LINK 30/32 – Shripney Road (N) @ Gyratory.	50	75	--	20
LINK 34/36 – Gyratory @ Shripney Road (N).	50	53	9	8
LINK 40 – Oldlands Way Give Way @ Gyratory.	--	34	--	1
LINK 44 – Gyratory @ Oldlands Way Give Way.	--	57	--	6
LINK 500 – Shripney Road Southbound @ Toucan Crossing.	50	52	--	7
LINK 502 – Pedestrians / cycles @ Toucan Crossing.	50	2	--	0

APPENDIX E

CAPACITY ANALYSIS A29 / A259

COTTEE

OLDLANDS FARM BUSINESS PARK - BOGNOR REGIS

CHICHESTER ROAD (A259) / SHRIPNEY ROAD (A29) / HOTHAM WAY (A259)

ARCADY 6 ANALYSIS

Weekday AM Peak Hour

	Longford Drive		Victoria Drive (ExitOnly)		Chichester Road (A259 west)		Shripney Road (A29)		Hotham way (A259 east)	
	RFC	Q	RFC	Q	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.377	1	-	-	0.532	1	0.337	1	0.452	1
2025 Base	0.485	1	-	-	0.659	2	0.419	1	0.560	1
2011 Base + Asda + Business Park (1,100sqm)	0.387	1	-	-	0.540	1	0.345	1	0.459	1
2025 Base + Asda +Business Park (19,500sqm)	0.513	1	-	-	0.685	2	0.434	1	0.578	1

Weekday PM Peak Hour

	Longford Drive		Victoria Drive (ExitOnly)		Chichester Road (A259 west)		Shripney Road (A29)		Hotham way (A259 east)	
	RFC	Q	RFC	Q	RFC	Q	RFC	Q	RFC	Q
2011 Adjusted Base	0.604	2	-	-	0.373	1	0.524	1	0.573	1
2025 Base	0.814	4	-	-	0.460	1	0.647	1	0.735	3
2011 Base + Asda + Business Park (1,100sqm)	0.627	2	-	-	0.385	1	0.550	1	0.590	1
2025 Base + Asda +Business Park (19,500sqm)	0.862	6	-	-	0.477	1	0.697	2	0.766	3

RFC - Ratio of Flow to Capacity
Q - Number of Vehicles