



INTERNAL LOOP - CLOCKWISE

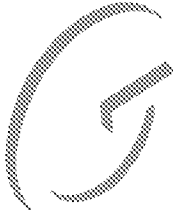
- NOTES
1. This drawing is to be read in conjunction with all relevant documents and specifications.
 2. Dimensions are not to be scaled.
 3. The layout complies with Manual for Streets guidance and BS 5906:2005 regarding drag and carry distances for refuse collection.
- Source: RHP Architects drawing number P0516-2000-00.

KEY

12m refuse vehicle - forward gear

12m refuse vehicle - reverse gear

A	Architect's layout updated. Swept paths revised to suit.	10.10.18 M. Walton	J.B
Rev.	Description	Date	Chkd



Glanville
Cornerstone House
62 Foxhall Road, Didcot
Oxon, OX11 7AD
Tel: (01235) 515550 Fax: (01235) 817799
postbox@glanvillegroup.com www.glanvillegroup.com

Client :
Thakeham Client Limited

Project :
Land to the South of
Cornfield Close, Littlehampton

Title :
Refuse Vehicle
Swept Path Analysis
Sheet 1 of 3

Project Engineer :	M. Walton	Scale :	1:500 @ A3
Project Director :	J. Birch	Date :	September 2018
Status :	PRELIMINARY		

Drawing No.	8171223/6201	Rev	A
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INTERNAL LOOP - ANTICLOCKWISE

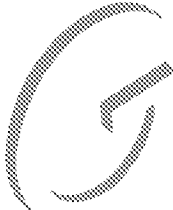
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Client :

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Project :

Land to the South of
Cornfield Close, Littlehampton

Title :

Refuse Vehicle
Swept Path Analysis
Sheet 2 of 3

Project Engineer : M. Walton Scale : 1:500 @ A3

Project Director : J. Birch Date : September 2018

Status : PRELIMINARY

Drawing No. 8171223/6202

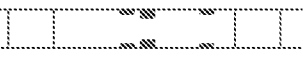
Rev A



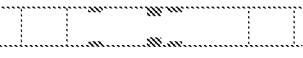
INTERNAL LOOP - ANTICLOCKWISE

- NOTES
- 1. This drawing is to be read in conjunction with all relevant documents and specifications.
 - 2. Dimensions are not to be scaled.
 - 3. The layout complies with Manual for Streets guidance and BS 5906:2005 regarding drag and carry distances for refuse collection.
- Source: RHP Architects drawing number P0516-2000-00.

KEY



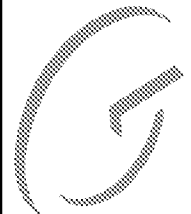
12m refuse vehicle - forward gear



12m refuse vehicle - reverse gear



A	Architect's layout updated. Swept paths revised to suit.	10.10.18 M. Walton	J.B
Rev.	Description	Date	Chkd



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Client :

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Project :

Land to the South of
Cornfield Close, Littlehampton

Title :

Refuse Vehicle
Swept Path Analysis
Sheet 2 of 3

Project Engineer : M. Walton Scale : 1:500 @ A3

Project Director : J. Birch Date : September 2018

Status : PRELIMINARY

Drawing No. 8171223/6202

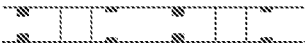
Rev A



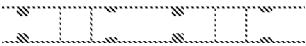
- NOTES
1. This drawing is to be read in conjunction with all relevant documents and specifications.
 2. Dimensions are not to be scaled.
 3. A fire tender / pump appliance can achieve access within 45m of every point of a dwelling in accordance with Building Regulations Approved Document B Section B5.

Source: RHP Architects drawing number P0516-2000-00.

KEY

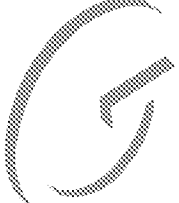


8.2m fire tender - forward gear



8.2m fire tender - reverse gear



Rev.	Description	Date	Chkd
 Glanville Cornerstone House 62 Foxhall Road, Didcot Oxon, OX11 7AD Tel: (01235) 515550 Fax: (01235) 817799 postbox@glanvillegroup.com www.glanvillegroup.com			
Client :		Thakeham Client Limited	
Project :		Land to the South of Cornfield Close, Littlehampton	
Title :		Fire Tender Swept Path Analysis	
Project Engineer :		M. Walton	Scale : 1:500 @ A3
Project Director :		J. Birch	Date : September 2018
Status :		PRELIMINARY	
Drawing No.		8171223/6204	
		Rev	-

Appendix H
TRICS Output

Calculation Reference: AUDIT-225601-180918-0947

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : D - AFFORDABLE/LOCAL AUTHORITY FLATS

VEHICLESSelected regions and areas:

02	SOUTH EAST	
	OX OXFORDSHIRE	1 days
06	WEST MIDLANDS	
	HE HEREFORDSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	1 days

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

Secondary Filtering selection:

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

Parameter: Number of dwellings
 Actual Range: 6 to 120 (units:)
 Range Selected by User: 6 to 234 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/10 to 24/11/15

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

Selected survey days:

Monday	1 days
Tuesday	1 days
Thursday	2 days
Friday	1 days

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

Selected survey types:

Manual count	5 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town	3
Neighbourhood Centre (PPS6 Local Centre)	2

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

Selected Location Sub Categories:

Residential Zone	5
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This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:Use Class:

C3	5 days
----	--------

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

Secondary Filtering selection (Cont.):Population within 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	1 days
20,001 to 25,000	2 days
25,001 to 50,000	1 days

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

Population within 5 miles:

5,001 to 25,000	1 days
75,001 to 100,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	3 days
1.1 to 1.5	2 days

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

Travel Plan:

No	5 days
----	--------

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

PTAL Rating:

No PTAL Present	5 days
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	HE-03-D-01	BLOCK OF FLATS	HEREFORDSHIRE
	BROXASH DRIVE		
	HEREFORD		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Number of dwellings:	120	
	Survey date: FRIDAY	22/10/10	Survey Type: MANUAL
2	OX-03-D-01	FLATS	OXFORDSHIRE
	FAIRLAWN END		
	OXFORD		
	UPPER WOLVERCOTE		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	6	
	Survey date: TUESDAY	05/10/10	Survey Type: MANUAL
3	WM-03-D-02	BLOCKS OF FLATS	WEST MIDLANDS
	BRANCH ROAD		
	BIRMINGHAM		
	KINGS NORTON		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	84	
	Survey date: MONDAY	09/11/15	Survey Type: MANUAL
4	WO-03-D-02	BLOCKS OF FLATS	WORCESTERSHIRE
	CRANHAM DRIVE		
	WORCESTER		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Number of dwellings:	18	
	Survey date: THURSDAY	22/05/14	Survey Type: MANUAL
5	WY-03-D-03	BLOCK OF FLATS	WEST YORKSHIRE
	CARR STREET		
	HECKMONDWIKE		
	LIVERSEDGE		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	56	
	Survey date: THURSDAY	01/05/14	Survey Type: MANUAL

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

Glanville Foxhall Road Didcot

Licence No: 225601

TRIP RATE for Land Use 03 - RESIDENTIAL/D - AFFORDABLE/LOCAL AUTHORITY FLATS

VEHICLES**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	5	57	0.018	5	57	0.067	5	57	0.085
08:00 - 09:00	5	57	0.067	5	57	0.092	5	57	0.159
09:00 - 10:00	5	57	0.074	5	57	0.074	5	57	0.148
10:00 - 11:00	5	57	0.102	5	57	0.077	5	57	0.179
11:00 - 12:00	5	57	0.095	5	57	0.102	5	57	0.197
12:00 - 13:00	5	57	0.113	5	57	0.081	5	57	0.194
13:00 - 14:00	5	57	0.116	5	57	0.116	5	57	0.232
14:00 - 15:00	5	57	0.095	5	57	0.123	5	57	0.218
15:00 - 16:00	5	57	0.092	5	57	0.085	5	57	0.177
16:00 - 17:00	5	57	0.123	5	57	0.088	5	57	0.211
17:00 - 18:00	5	57	0.109	5	57	0.099	5	57	0.208
18:00 - 19:00	5	57	0.158	5	57	0.116	5	57	0.274
19:00 - 20:00	1	6	0.000	1	6	0.333	1	6	0.333
20:00 - 21:00	1	6	0.167	1	6	0.000	1	6	0.167
21:00 - 22:00	1	6	0.000	1	6	0.000	1	6	0.000
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.329			1.453			2.782

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

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

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Parameter summary

Trip rate parameter range selected:	6 - 120 (units:)
Survey date range:	01/01/10 - 24/11/15
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Calculation Reference: AUDIT-225601-180918-0950

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED

VEHICLESSelected regions and areas:

02	SOUTH EAST	
	KC KENT	1 days
	SC SURREY	1 days
03	SOUTH WEST	
	DV DEVON	3 days
	SM SOMERSET	1 days
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	NF NORFOLK	1 days
06	WEST MIDLANDS	
	SH SHROPSHIRE	1 days
	ST STAFFORDSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	3 days
	SY SOUTH YORKSHIRE	1 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days

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

Secondary Filtering selection:

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

Parameter: Number of dwellings
 Actual Range: 26 to 116 (units:)
 Range Selected by User: 25 to 125 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/10 to 27/11/17

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

Selected survey days:

Monday	4 days
Tuesday	1 days
Wednesday	4 days
Thursday	5 days
Friday	2 days

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

Selected survey types:

Manual count	16 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	10
Edge of Town	6

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

Selected Location Sub Categories:

Residential Zone	15
No Sub Category	1

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

Secondary Filtering selection:Use Class:

C3

16 days

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

Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	3 days
10,001 to 15,000	3 days
15,001 to 20,000	3 days
20,001 to 25,000	3 days
25,001 to 50,000	2 days

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

Population within 5 miles:

5,001 to 25,000	3 days
25,001 to 50,000	1 days
50,001 to 75,000	1 days
75,001 to 100,000	4 days
100,001 to 125,000	1 days
125,001 to 250,000	4 days
250,001 to 500,000	1 days
500,001 or More	1 days

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

Car ownership within 5 miles:

1.1 to 1.5	16 days
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This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

No

16 days

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

PTAL Rating:

No PTAL Present

16 days

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

LIST OF SITES relevant to selection parameters

1	CA-03-A-05	DETACHED HOUSES	CAMBRIDGESHIRE
	EASTFIELD ROAD		
	PETERBOROUGH		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	28	
	Survey date: MONDAY	17/10/16	Survey Type: MANUAL
2	DV-03-A-01	TERRACED HOUSES	DEVON
	BRONSHILL ROAD		
	TORQUAY		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	37	
	Survey date: WEDNESDAY	30/09/15	Survey Type: MANUAL
3	DV-03-A-02	HOUSES & BUNGALOWS	DEVON
	MILLHEAD ROAD		
	HONITON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	116	
	Survey date: FRIDAY	25/09/15	Survey Type: MANUAL
4	DV-03-A-03	TERRACED & SEMI DETACHED	DEVON
	LOWER BRAND LANE		
	HONITON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	70	
	Survey date: MONDAY	28/09/15	Survey Type: MANUAL
5	GM-03-A-10	DETACHED/ SEMI	GREATER MANCHESTER
	BUTT HILL DRIVE		
	MANCHESTER		
	PRESTWICH		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	29	
	Survey date: WEDNESDAY	12/10/11	Survey Type: MANUAL
6	KC-03-A-03	MIXED HOUSES & FLATS	KENT
	HYTHE ROAD		
	ASHFORD		
	WILLESBOROUGH		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	51	
	Survey date: THURSDAY	14/07/16	Survey Type: MANUAL
7	NF-03-A-02	HOUSES & FLATS	NORFOLK
	DEREHAM ROAD		
	NORWICH		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	98	
	Survey date: MONDAY	22/10/12	Survey Type: MANUAL
8	NY-03-A-06	BUNGALOWS & SEMI DET.	NORTH YORKSHIRE
	HORSEFAIR		
	BOROUGHBRIDGE		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	115	
	Survey date: FRIDAY	14/10/11	Survey Type: MANUAL
9	NY-03-A-09	MIXED HOUSING	NORTH YORKSHIRE
	GRAMMAR SCHOOL LANE		
	NORTHALLERTON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	52	
	Survey date: MONDAY	16/09/13	Survey Type: MANUAL

Glanville Foxhall Road Didcot

Licence No: 225601

LIST OF SITES relevant to selection parameters (Cont.)

10	NY-03-A-10	HOUSES AND FLATS	NORTH YORKSHIRE
	BOROUGHBRIDGE ROAD		
	RIPON		
	Edge of Town		
	No Sub Category		
	Total Number of dwellings:	71	
	Survey date: TUESDAY	17/09/13	Survey Type: MANUAL
11	SC-03-A-04	DETACHED & TERRACED	SURREY
	HIGH ROAD		
	BYFLEET		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	71	
	Survey date: THURSDAY	23/01/14	Survey Type: MANUAL
12	SH-03-A-05	SEMI-DETACHED/ TERRACED	SHROPSHIRE
	SANDCROFT		
	TELFORD		
	SUTTON HILL		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	54	
	Survey date: THURSDAY	24/10/13	Survey Type: MANUAL
13	SM-03-A-01	DETACHED & SEMI	SOMERSET
	WEMBDON ROAD		
	BRIDGWATER		
	NORTHFIELD		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	33	
	Survey date: THURSDAY	24/09/15	Survey Type: MANUAL
14	ST-03-A-08	DETACHED HOUSES	STAFFORDSHIRE
	SILKMORE CRESCENT		
	STAFFORD		
	MEADOWCROFT PARK		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	26	
	Survey date: WEDNESDAY	22/11/17	Survey Type: MANUAL
15	SY-03-A-01	SEMI DETACHED HOUSES	SOUTH YORKSHIRE
	A19 BENTLEY ROAD		
	DONCASTER		
	BENTLEY RISE		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	54	
	Survey date: WEDNESDAY	18/09/13	Survey Type: MANUAL
16	WL-03-A-02	SEMI DETACHED	WILTSHIRE
	HEADLANDS GROVE		
	SWINDON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	27	
	Survey date: THURSDAY	22/09/16	Survey Type: MANUAL

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

Glanville Foxhall Road Didcot

Licence No: 225601

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

VEHICLES**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	16	58	0.072	16	58	0.245	16	58	0.317
08:00 - 09:00	16	58	0.132	16	58	0.402	16	58	0.534
09:00 - 10:00	16	58	0.157	16	58	0.181	16	58	0.338
10:00 - 11:00	16	58	0.147	16	58	0.177	16	58	0.324
11:00 - 12:00	16	58	0.170	16	58	0.152	16	58	0.322
12:00 - 13:00	16	58	0.178	16	58	0.170	16	58	0.348
13:00 - 14:00	16	58	0.176	16	58	0.193	16	58	0.369
14:00 - 15:00	16	58	0.156	16	58	0.179	16	58	0.335
15:00 - 16:00	16	58	0.249	16	58	0.164	16	58	0.413
16:00 - 17:00	16	58	0.284	16	58	0.177	16	58	0.461
17:00 - 18:00	16	58	0.349	16	58	0.168	16	58	0.517
18:00 - 19:00	16	58	0.216	16	58	0.144	16	58	0.360
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.286			2.352			4.638

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

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

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Parameter summary

Trip rate parameter range selected:	26 - 116 (units:)
Survey date range:	01/01/10 - 27/11/17
Number of weekdays (Monday-Friday):	16
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Calculation Reference: AUDIT-225601-180918-0912

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : B - AFFORDABLE/LOCAL AUTHORITY HOUSES

VEHICLESSelected regions and areas:

06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	2 days
08	NORTH WEST	
	CH CHESHIRE	1 days
	GM GREATER MANCHESTER	1 days
	MS MERSEYSIDE	1 days
09	NORTH	
	NB NORTHUMBERLAND	1 days

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

Secondary Filtering selection:

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

Parameter: Number of dwellings
 Actual Range: 16 to 97 (units:)
 Range Selected by User: 14 to 100 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/10 to 13/09/17

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

Selected survey days:

Monday	3 days
Tuesday	2 days
Wednesday	1 days
Thursday	1 days

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

Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	2
Edge of Town	5

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

Selected Location Sub Categories:

Residential Zone	5
Built-Up Zone	1
No Sub Category	1

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

Secondary Filtering selection:Use Class:

C3

7 days

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

Population within 1 mile:

1,001 to 5,000

1 days

5,001 to 10,000

1 days

10,001 to 15,000

1 days

15,001 to 20,000

2 days

25,001 to 50,000

2 days

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

Population within 5 miles:

5,001 to 25,000

1 days

75,001 to 100,000

2 days

125,001 to 250,000

2 days

250,001 to 500,000

2 days

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

Car ownership within 5 miles:

0.6 to 1.0

6 days

1.1 to 1.5

1 days

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

Travel Plan:

No

7 days

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

PTAL Rating:

No PTAL Present

7 days

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

LIST OF SITES relevant to selection parameters

1	CH-03-B-01	HOUSES & FLATS	CHESHI RE
	WORDSWORTH CRES.		
	CHESTER		
	BLACON		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	80	
	Survey date: MONDAY	17/11/14	Survey Type: MANUAL
2	GM-03-B-01	TERRACED HOUSES	GREATER MANCHESTER
	NEWBOLD		
	ROCHDALE		
	Suburban Area (PPS6 Out of Centre)		
	No Sub Category		
	Total Number of dwellings:	43	
	Survey date: WEDNESDAY	21/10/15	Survey Type: MANUAL
3	MS-03-B-01	TERRACED	MERSEYSIDE
	TARBOCK ROAD		
	LIVERPOOL		
	SPEKE		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	16	
	Survey date: TUESDAY	18/06/13	Survey Type: MANUAL
4	NB-03-B-01	SEMI DET. & TERRACED	NORTHUMBERLAND
	WESTLEA		
	BEDLINGTON		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	97	
	Survey date: MONDAY	19/11/12	Survey Type: MANUAL
5	WM-03-B-01	SEMI DET./ TERRACED	WEST MIDLANDS
	YORKMINSTER DRIVE		
	BIRMINGHAM		
	CHELMSLEY WOOD		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	97	
	Survey date: MONDAY	17/10/11	Survey Type: MANUAL
6	WY-03-B-02	MIXED HOUSES	WEST YORKSHIRE
	WHITEACRE STREET		
	HUDDERSFIELD		
	DEIGHTON		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	54	
	Survey date: TUESDAY	17/09/13	Survey Type: MANUAL
7	WY-03-B-03	TERRACED HOUSES	WEST YORKSHIRE
	LINCOLN GREEN ROAD		
	LEEDS		
	Suburban Area (PPS6 Out of Centre)		
	Built-Up Zone		
	Total Number of dwellings:	29	
	Survey date: THURSDAY	19/09/13	Survey Type: MANUAL

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

Glanville Foxhall Road Didcot

Licence No: 225601

TRIP RATE for Land Use 03 - RESIDENTIAL/B - AFFORDABLE/LOCAL AUTHORITY HOUSES

VEHICLES**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	7	59	0.070	7	59	0.171	7	59	0.241
08:00 - 09:00	7	59	0.156	7	59	0.284	7	59	0.440
09:00 - 10:00	7	59	0.154	7	59	0.216	7	59	0.370
10:00 - 11:00	7	59	0.175	7	59	0.180	7	59	0.355
11:00 - 12:00	7	59	0.166	7	59	0.168	7	59	0.334
12:00 - 13:00	7	59	0.192	7	59	0.154	7	59	0.346
13:00 - 14:00	7	59	0.171	7	59	0.154	7	59	0.325
14:00 - 15:00	7	59	0.212	7	59	0.202	7	59	0.414
15:00 - 16:00	7	59	0.248	7	59	0.212	7	59	0.460
16:00 - 17:00	7	59	0.267	7	59	0.168	7	59	0.435
17:00 - 18:00	7	59	0.293	7	59	0.209	7	59	0.502
18:00 - 19:00	7	59	0.185	7	59	0.142	7	59	0.327
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.289			2.260			4.549

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

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

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Parameter summary

Trip rate parameter range selected:	16 - 97 (units:)
Survey date range:	01/01/10 - 13/09/17
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Calculation Reference: AUDIT-225601-180918-0951

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : C - FLATS PRIVATELY OWNED

VEHICLESSelected regions and areas:

02	SOUTH EAST	
	HC HAMPSHIRE	1 days
	OX OXFORDSHIRE	1 days
03	SOUTH WEST	
	DC DORSET	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	RI EAST RIDING OF YORKSHIRE	1 days

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

Secondary Filtering selection:

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

Parameter: Number of dwellings
 Actual Range: 14 to 20 (units:)
 Range Selected by User: 6 to 25 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/10 to 13/05/14

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

Selected survey days:

Tuesday	1 days
Wednesday	1 days
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	4 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	3
Edge of Town	1

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

Selected Location Sub Categories:

Residential Zone	4
------------------	---

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

Secondary Filtering selection:Use Class:

C3	4 days
----	--------

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

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Licence No: 225601

Secondary Filtering selection (Cont.):Population within 1 mile:

1,001 to 5,000	2 days
10,001 to 15,000	2 days

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

Population within 5 miles:

50,001 to 75,000	2 days
100,001 to 125,000	1 days
125,001 to 250,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	2 days

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

Travel Plan:

No	4 days
----	--------

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

PTAL Rating:

No PTAL Present	4 days
-----------------	--------

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

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Licence No: 225601

LIST OF SITES relevant to selection parameters

1	DC-03-C-02	FLATS IN BLOCKS	DORSET
	PALM COURT		
	WEYMOUTH		
	SPA ROAD		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	14	
	Survey date: FRIDAY	28/03/14	Survey Type: MANUAL
2	HC-03-C-02	FLATS	HAMPSHIRE
	WORTING ROAD		
	BASINGSTOKE		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	16	
	Survey date: THURSDAY	21/10/10	Survey Type: MANUAL
3	OX-03-C-01	BLOCK OF FLATS	OXFORDSHIRE
	OXFORD ROAD		
	OXFORD		
	COWLEY		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	14	
	Survey date: WEDNESDAY	20/10/10	Survey Type: MANUAL
4	RI-03-C-01	FLATS	EAST RIDING OF YORKSHIRE
	465 PRIORY ROAD		
	HULL		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	20	
	Survey date: TUESDAY	13/05/14	Survey Type: MANUAL

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

Glanville Foxhall Road Didcot

Licence No: 225601

TRIP RATE for Land Use 03 - RESIDENTIAL/C - FLATS PRIVATELY OWNED

VEHICLES**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	4	16	0.047	4	16	0.234	4	16	0.281
08:00 - 09:00	4	16	0.109	4	16	0.406	4	16	0.515
09:00 - 10:00	4	16	0.125	4	16	0.219	4	16	0.344
10:00 - 11:00	4	16	0.094	4	16	0.078	4	16	0.172
11:00 - 12:00	4	16	0.109	4	16	0.078	4	16	0.187
12:00 - 13:00	4	16	0.125	4	16	0.109	4	16	0.234
13:00 - 14:00	4	16	0.094	4	16	0.078	4	16	0.172
14:00 - 15:00	4	16	0.109	4	16	0.078	4	16	0.187
15:00 - 16:00	4	16	0.156	4	16	0.125	4	16	0.281
16:00 - 17:00	4	16	0.078	4	16	0.125	4	16	0.203
17:00 - 18:00	4	16	0.375	4	16	0.078	4	16	0.453
18:00 - 19:00	4	16	0.125	4	16	0.109	4	16	0.234
19:00 - 20:00	2	15	0.333	2	15	0.200	2	15	0.533
20:00 - 21:00	2	15	0.100	2	15	0.033	2	15	0.133
21:00 - 22:00	2	15	0.133	2	15	0.100	2	15	0.233
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.112			2.050			4.162

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

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

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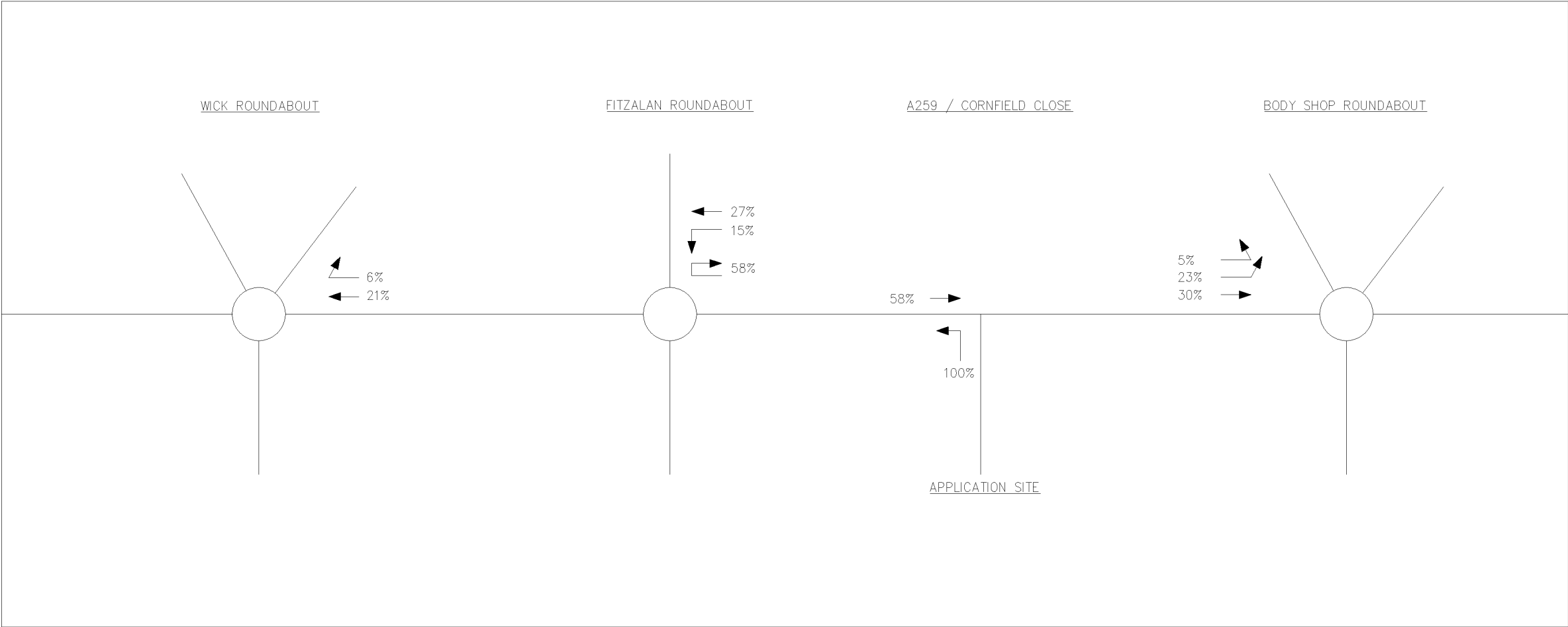
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Parameter summary

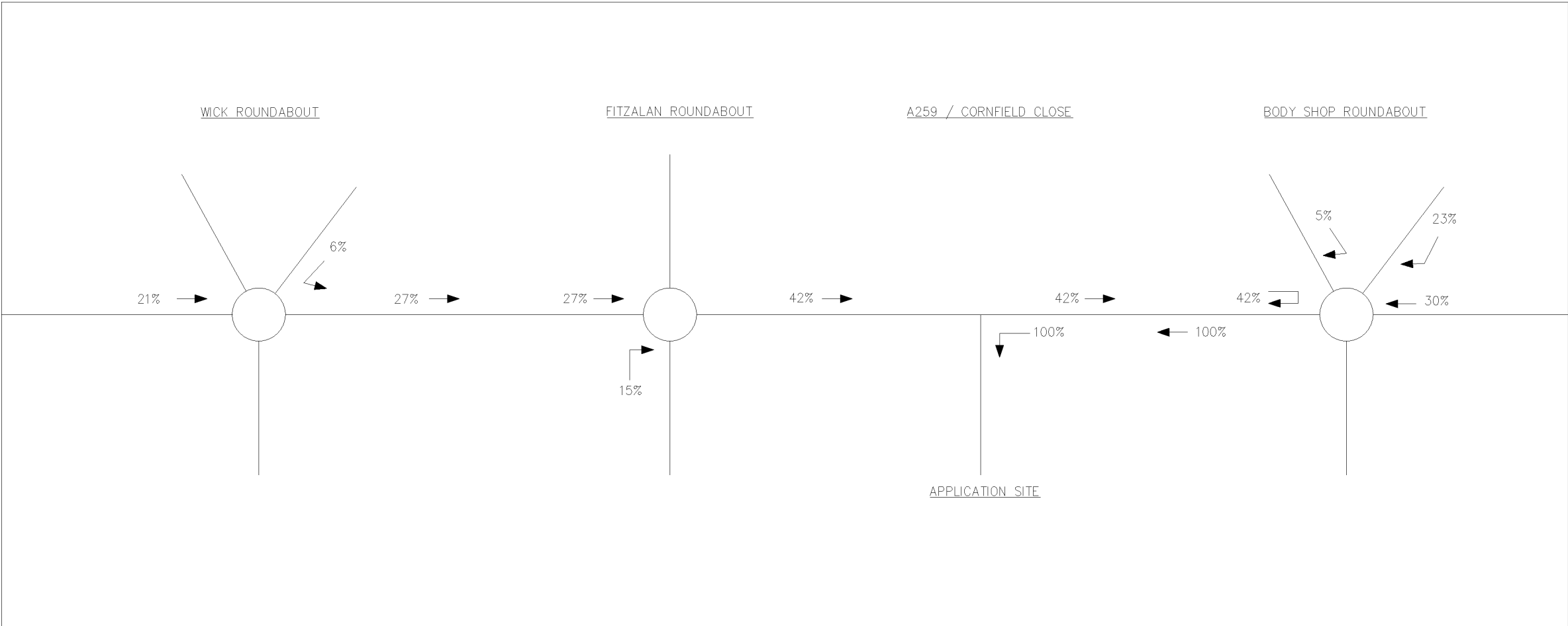
Trip rate parameter range selected:	14 - 20 (units:)
Survey date date range:	01/01/10 - 13/05/14
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Appendix I
Development Traffic Assignment



OUTBOUND



INBOUND



Rev.	Description	Date	Chkd
 Glanville Cornerstone House 62 Foxhall Road, Didcot Oxon, OX11 7AD Tel: (01235) 515550 Fax: (01235) 817799 postbox@glanvillegroup.com www.glanvillegroup.com			
Client : Thakeham Client Limited			
Project : Land to the South of Cornfield Close, Littlehampton			
Title : Development Traffic Assignment			
Project Engineer : M.Walton		Scale : NTS	
Project Director : J. Birch		Date : September 2018	
Status : INFORMATION			
Drawing No. 8171223/SK01			Rev

Appendix J

Arun Transport Study – Summary Sheet of Model Results

Arun Transport Study: Junction approach arm statistics for identified locations (Summary Sheet)

ID	Junction	Approach Arm	2031 Reference Case with EBR				2031 Final Scenario without Mitigation				2031 Final Scenario with Mitigation				2031 Final Scenario with Mitigation, Arundel Bypass and Ford Railway Bridge				2nd Mitigation (including for expected indirect or remaining 'severe' impacts) <i>Sustainable Transport Assumptions included</i>	Mitigation Impact	Arundel Bypass Impact (where severe impacts change from Mitigation Test)	
			AM RFC (%)	AM Delay (s)	PM RFC (%)	PM Delay (s)	AM RFC (%)	AM Delay (s)	PM RFC (%)	PM Delay (s)	AM RFC (%)	AM Delay (s)	PM RFC (%)	PM Delay (s)	AM RFC (%)	AM Delay (s)	PM RFC (%)	PM Delay (s)				
1	A27 / B2145 (Whyke Roundabout)	B2145 (SB)	23	5	103	87	23	5	108	182	4	38	105	132	4	38	107	172	DELAY	DELAY		
1		A27 (WB)	91	10	107	180	85	8	108	190	54	24	60	23	54	24	62	23		Chichester Free School mitigation measure	No severe impacts	Marginal severe delay impact on B2145(SB) (PM Peak) due to Arundel Bypass attracting traffic to A27
1		B2145 (NB)	109	195	52	6	112	253	57	7	106	141	77	34	106	147	80	49				
1		A27 (EB)	97	22	75	5	93	12	82	6	70	35	73	67	70	27	81	59				
2	A27 / A259 (Bognor Road Roundabout)	A259 (WB)	114	318	55	6	123	465	56	5	105	141	47	5	106	155	51	5	DELAY			
2		A27 (NB)	104	98	105	122	104	109	104	106	102	79	101	53	102	79	66	5	DELAY	Chichester District Council Local Plan mitigation measure	No severe impacts	
2		A259 (EB)	74	11	102	74	73	11	108	223	69	12	104	111	70	12	104	113	DELAY			
2		A27 (SB)	102	84	64	13	106	148	76	17	43	5	88	22	46	6	87	22	DELAY			
4	A27 / Meadow Way (Tangmere)	The Street (Boxgrove) (SB)	21	11	110	298	21	11	110	308	21	11	113	355	21	10	112	347		DELAY	DELAY	Marginal severe delay impact on A27(WB) (AM Peak) due to Arundel Bypass attracting traffic to A27
4		A27 (WB)	100	23	62	5	104	89	59	4	138	119	63	5	138	133	62	5				
4		Meadow Way (NB)	125	576	87	20	138	882	80	13	125	576	90	21	126	598	91	22	DELAY			
4		A27 (EB)	76	5	118	349	70	5	117	340	68	4	120	390	66	4	120	380				
5	A27 / B2233 Nyton Road	A27 (EB) (Right turn only)	79	52	100	75	85	77	100	68	74	45	100	69	87	66	100	71	RFC			
5		B2233 (NB)	77	24	32	8	133	108	34	8	84	27	38	9	81	26	38	9	RFC	Widening of left turn from B2233 (NB)	No severe impacts	
5		A27 (WB)	44	6	35	2	41	5	30	1	43	6	30	2	44	6	31	2	DELAY			
6	A27 / A29 (Fontwell Western Roundabout)	A27 (WB)	109	180	104	105	113	258	112	242	108	158	105	102	107	156	105	106	DELAY			
6		Arundel Road (WB)	102	140	95	58	106	220	137	189	103	120	97	52	103	119	97	66	RFC,DELAY	Fontwell application (WA/22/15/OUT) mitigation measure	No severe impacts	
6		A29 (NB)	100	87	54	12	95	52	68	12	102	115	39	8	102	115	59	11				
6		A27 (EB)	69	5	88	8	68	5	89	20	41	4	55	5	40	4	55	5	RFC			
7	A27 / A29 (Fontwell Eastern Roundabout)	A29 (WB)	91	26	98	46	90	25	98	45	57	15	62	15	52	14	68	27				
7		A27 (WB)	73	6	43	4	87	7	36	4	59	7	33	5	60	7	33	5		Widening and Signalisation of A27 Arms (similar to Fontwell Western Roundabout scheme)	No severe impacts	
7		A27 (EB)	85	7	83	5	133	79	84	5	69	9	74	13	66	9	84	14	RFC			
9	A27 / B2132 Yapton Lane	A27 (WB)	23	0	23	0	25	0	27	0	24	0	26	0	30	0	29	0				
9		B2132 (NB)	34	10	23	9	54	13	31	11	52	12	37	11	44	14	32	12				
9		A27 (EB) (Right turn only)	30	10	45	12	22	10	74	22	35	11	63	38	26	13	81	29		None - no severe impacts - included for information having been identified as 'severe' in one or more Stage 2 Scenarios		
10	A27 / A284 Ford Road, Arundel	Maltravers Road (WB)	8	6	10	9	10	8	14	9	11	8	13	10	6	4	14	4				
10		A27 (WB)	92	4	101	31	131	25	103	77	88	8	101	32	46	4	67	5				
10		Ford Road (NB)	30	7	19	6	66	11	33	6	47	9	38	8	37	4	18	4		Widening of A27 (EB)	No severe impacts	
10		A27 (EB)	76	6	77	5	88	21	76	5	87	8	71	5	6	4	4	4				
10		A284 (SB)	44	6	88	14	61	9	82	13	63	9	90	17	31	3	46	3	RFC			
11	A27 / The Causeway (Arundel)	A27 (WB)	89	3	87	3	87	4	138	6	82	3	82	3	42	3	44	3	RFC			
11		The Causeway	20	6	50	8	26	7	76	13	26	7	55	10	11	3	18	3		Widening of A27 (EB) and A27 (WB)	No severe impacts	
11		A27 (EB)	76	4	90	5	88	8	98	17	84	4	89	5	20	3	16	3	RFC			
13	A27 / Arundel Road (Hammerpot)	A27 (WB)	30	1	36	2	33	1	38	2	33	1	39	3	37	2	43	4				
13		Arundel Road (NB)	37	12	12	11	67	19	25	13	57	17	25	13	82	34	39	20		None - no severe impacts - included for information having been identified as 'severe' in one or more Stage 2 Scenarios		
14	A27 / A280 Patching Northern Roundabout	A280 (SB)	76	18	109	222	87	22	118	343	65	17	100	56	76	21	113	287	DELAY		DELAY	Marginal severe delay impact on A280(SB) (AM Peak) due to Arundel Bypass attracting traffic to A27
14		A280 (NB)	66	3	47	3	66	3	50	3	63	3	51	3	59	3	50	3		Widening of Southern approach as per information provided by site promoter	No severe impacts	
14		A27 (EB)	61	8	50	5	71	9	60	6	70	9	61	6	80	10	76	8				
15	A27 / A280 Southern Roundabout	A27 (EB)	21	8	9	9	25	10	22	11	21	10	38	20	33	15	36	20				
15		Titnore Lane (WB)	37	9	61	15	41	10	69	17	41	10	81	22	50	11	83	24		None - no severe impacts - included for information having been identified as 'severe' in one or more Stage 2 Scenarios		
15		A280 (EB)	91	18	54	8	139	37	69	10	88	33	70	11	88	35	70	11				
15		A280 (SB)	54	3	65	3	64	4	68	3	64	4	78	3	73	4	78	3				
16	A27 / Half Moon Lane (Worthing)	A27 (WB)	51	0	50	0	52	0	51	0	53	0	50	0	52	0	51	0				
16		Half Moon Lane (NB)	95	111	87	79	92	106	82	99	76	77	87	85	92	107	84	70		None - no severe impacts - included for information having been identified as 'severe' in one or more Stage 2 Scenarios		
16		A27 (EB)	41	0	39	0	42	0	41	0	43	0	41	0	43	0	42	0				
17	A29 / A259 Rowan Way	A29 (SB)	60	3	82	3	63	3	85	3	64	3	75	3	62	3	75	3				
17		A259 Rowan Way (EB)	102	73	69	12	107	178	85	17	63	5	43	4	60	5	43	4	DELAY	Widening of EB, NB and SB arms	No severe impacts	
17		A29 (NB)	72	7	48	7	162	68	72	10	48	5	47	6	43	5	49	6	RFC			
18	A29 / A259 Felpham Relief Road	A29 (SB)	65	8	104	117	61	5	118	284	44	4	84	10	46	4	70	6	DELAY			
18		A259 (WB)	96	24	93	21	100	75	138	49	70	7	131	61	74	8	138	46		Widening of WB, NB and SB arms	No severe impacts	
18		A29 (NB)	96	9	69	4	100	16	79	4	131	23	62	3	133	41	62	3				
19	A29 / Wandleys Lane	A29 (SB)	23	1	41	3	31	1	57	5	29	1	66	7	26	1	62	6				
19		Wandleys Lane (WB)	6	4	11	6	29	9	60	14	8	5	49	14	33	5	69	17		None - it is considered not appropriate to undertake junction improvements which could result in facilitating additional through traffic on Wandleys Lane, which is a minor road.		
19		A29 (NB)	46	2	18	0	138	132	30	1	133	45	22	0	133	82	32	1	RFC,DELAY	RFC	RFC	
20	A259 / B2132 (Comet Corner)	B2132 (SB)	30	92	27	121	25	47	28	128	22	6	36	7	23	6	38	7				
20	(SAFETY MITIGATION)	A259 (WB)	64	30	85	54	61	26	80	47	73	42	84	56	63	31	79	50		Roundabout following discussion with WSCC - design would be subject to highway boundary	No severe impacts	
20		B2132 (NB)	28	307	26	55	30	302	31	88	64	8	31	6	60	7	31	6				
20		A259 (EB)	90	32	69	18	83	27	65	16	65	5	61	4	62	5	46	4				
21	A259 / B2233 (Oyster Catcher Pub)	A259 (EB)	56	7	66	7	57	11	63	6	75	9	81	11	63	8	75	10		Roundabout following discussion with WSCC - design would be subject to highway boundary	No severe impacts	
21	(SAFETY MITIGATION)	A259 (WB)	88	57	68	34	77	43	67	32	84	56	71	40	72	41	54	24				
21		B2233 (SB)	12	12	41	12	56	20	62	21	27	6	41	6	33	6	37	5				
22	A259 / Church Lane (Climping)	A259 (WB)	101	55	110	221	104	116	122	493	96	37	104	127	86	29	102	79	RFC,DELAY			
22		A259 (EB)	78	10	73	9	82	11	77	10	83	11	78	10	79	10	66	8		WSP recommendation - widening of WB arm which concurs with RFC and Delay results	No severe impacts	
22		Church Lane (SB)	19	7	76	15	23	7	83	19	28	8	54	10	54	10	81	21				
23	A259 / B2187 (Littlehampton West - Tesco)	A259 (SB)	54	9	56	9	60	10	65	12	66	12	77	18	62	11	82	20				
23		B2187 (WB)	27	5	24	5	25	5	36	6	35	6	47	7	30	5	46	6		Widening of A259 (EB)	No severe impacts	
23		A259 (EB)	89	11	97	13	102	51	100	14	80	11	74	9	81	11	74	9	RFC			
26	A259 / B2187 (Body Shop Roundabout)	A259 (WB)	77	6	91	9	82	6	97	16	88	7	101	43	73	5	79	6				
26		B2187 (WB)	28	12	35	20	49	18	45	27	37	17	53	34	29	12	26	13		None - no severe impacts - included for information having been identified as 'severe' in one or more Stage 2 Scenarios		
26		B2187 (NB)	74	13	89	24	88	24	88	40	84	21	88	55	76	14	81	16				
26		A259 (EB)	92	21	101	54	92	21	102	75	92	21	101	55	77	14	88	18				
42	B2259 Hotham Way / A29	A29 (SB)	64	7	81	11	73	9	85	12	81	10	84	11	83	10	85	11				
42		B2259 (WB)	78	5	81	6	87	5	88	10	88	6	88	11	88	6	88	12		None - no severe impacts - included for information having been identified as 'severe' in one or more Stage 2 Scenarios		
42		B2166 Longford Road (NB)	17	0	14	0	12															



Cornerstone House, 62 Foxhall Road,
Didcot, Oxon OX11 7AD



- Structural Engineering
- Civil Engineering
- Transport & Highways
- Geomatics (Land Surveying)
- Building Surveying
- BIM