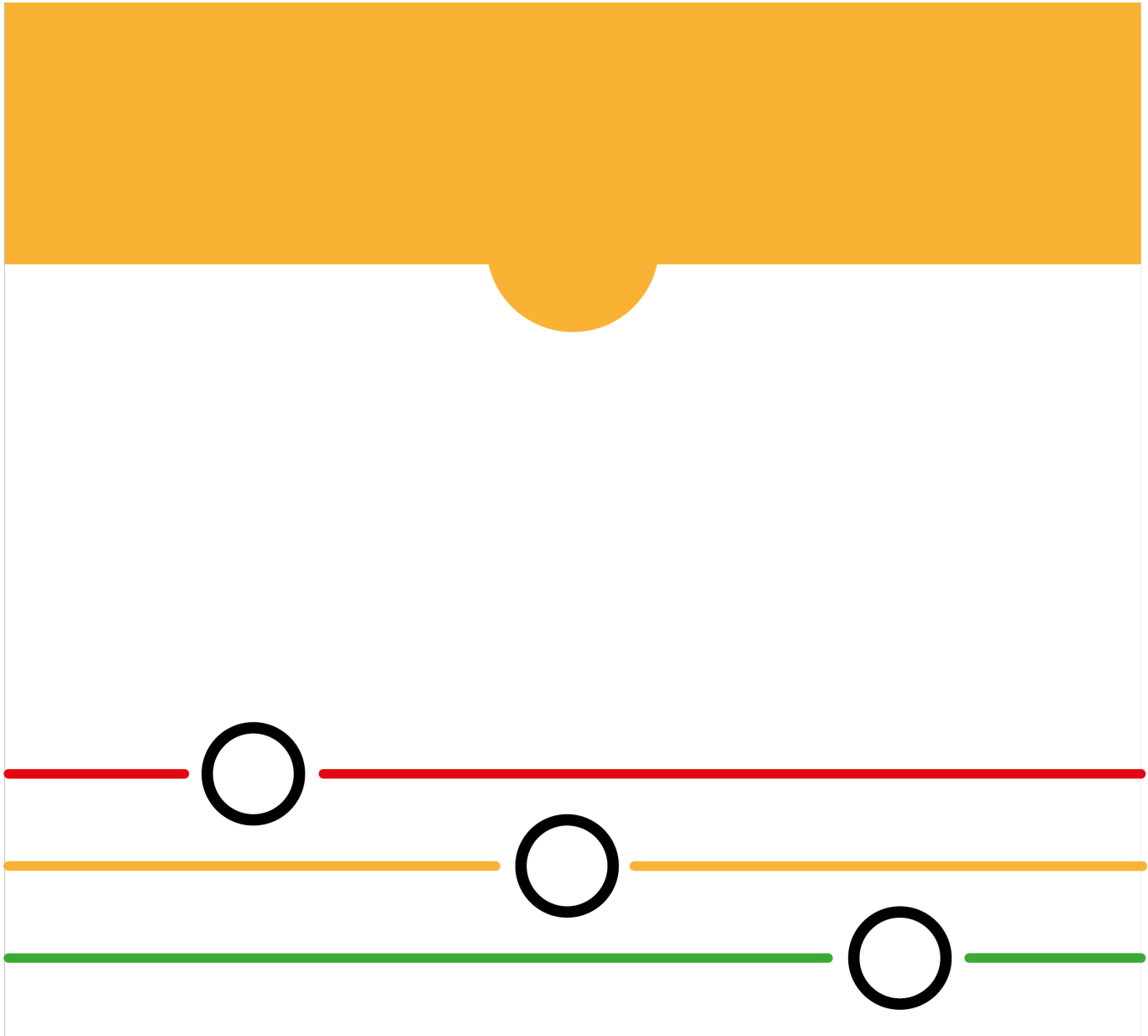




EG Group Ltd

Proposed Drive-Thru Coffee Shop Development, ASDA
Superstore, Holt Road, Wrexham

Technical Note

3703319-10



FEBRUARY 2020

Note Details

Report Number:	3703319-10-TN
Report Title:	Technical Note, Proposed Drive-Thru Coffee Shop Development, ASDA Superstore, Holt Road, Wrexham
Client:	EG Group Ltd
Date:	20 February 2020
Status:	-

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1 Introduction

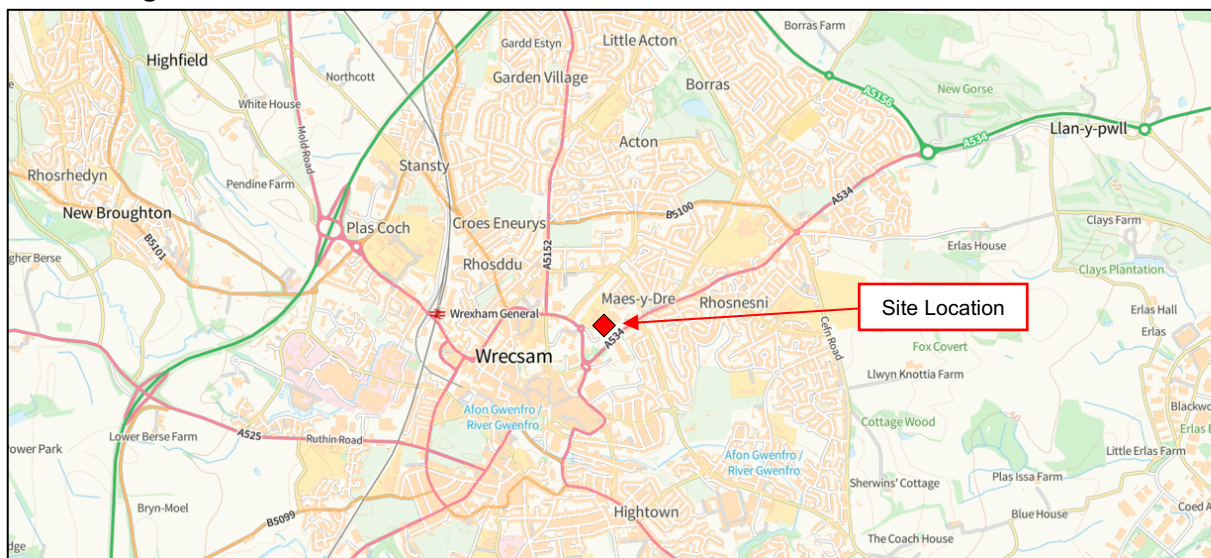
General

- 1.1 Dynamic Transport Planning Ltd is instructed by EG Group Ltd to report on the anticipated highways and transportation issues related with a proposed development of a drive-thru coffee shop on land within the ASDA Superstore site, Holt Road, Wrexham.
- 1.2 This Technical Note (TN) supports a planning application being made for the construction of the drive-thru coffee shop and the associated amendments to the superstore car park.

Site Location

- 1.3 The proposed development site is situated in the southern end of the ASDA Superstore car park, which is located less than a mile north-east of Wrexham Town Centre.
- 1.4 Wrexham is the largest town situated in North Wales. The site is approximately 12 miles to the south of Chester and around 25 miles west of Crewe.
- 1.5 The section of the site included for this development fronts Holt Road, from where pedestrian access is taken to the wider ASDA site. Vehicle access is taken from A5152 to the west of the site via a roundabout junction. The location of the proposed development site is illustrated at **Figure 1.1** below:

Figure 1.1 – Site Location Plan



Contains OS Data © Crown Copyright and Database Right (2019)

2 Existing Conditions

General

- 2.1 The application site is currently part of the ASDA Superstore car park, the overall car park having approximately 490 car parking spaces whilst the ASDA store has a Gross Floor Area (GFA) of 7,500m². Approximately 438 of these parking spaces are standard with around 27 to mobility impaired standard and around a further 25 provided as parents and child spaces. The shopping collection area and car wash area also provide eight spaces excluded from the above total.
- 2.2 The ASDA superstore has a Petrol Filling Station (PFS) situated near to the access in the western corner of the site.

Existing Highway Network

- 2.3 The site is currently accessed via a roundabout junction with A5152 Bodhyfryd and Powell Road which also serves as access to two other adjacent sites. The roundabout is located on the western boundary of the site.
- 2.4 There are several pedestrian access points to the site, two of which are taken from Bodhyfryd and also from Holt Road to the south-east of the site.
- 2.5 Bodhyfryd, Powell Road and Holt Road are all street-lit and subject to 30mph speed limits with footways provided on both side of their respective carriageways. Dropped kerbs and tactile paving are provided at crossing points at the access roundabout.

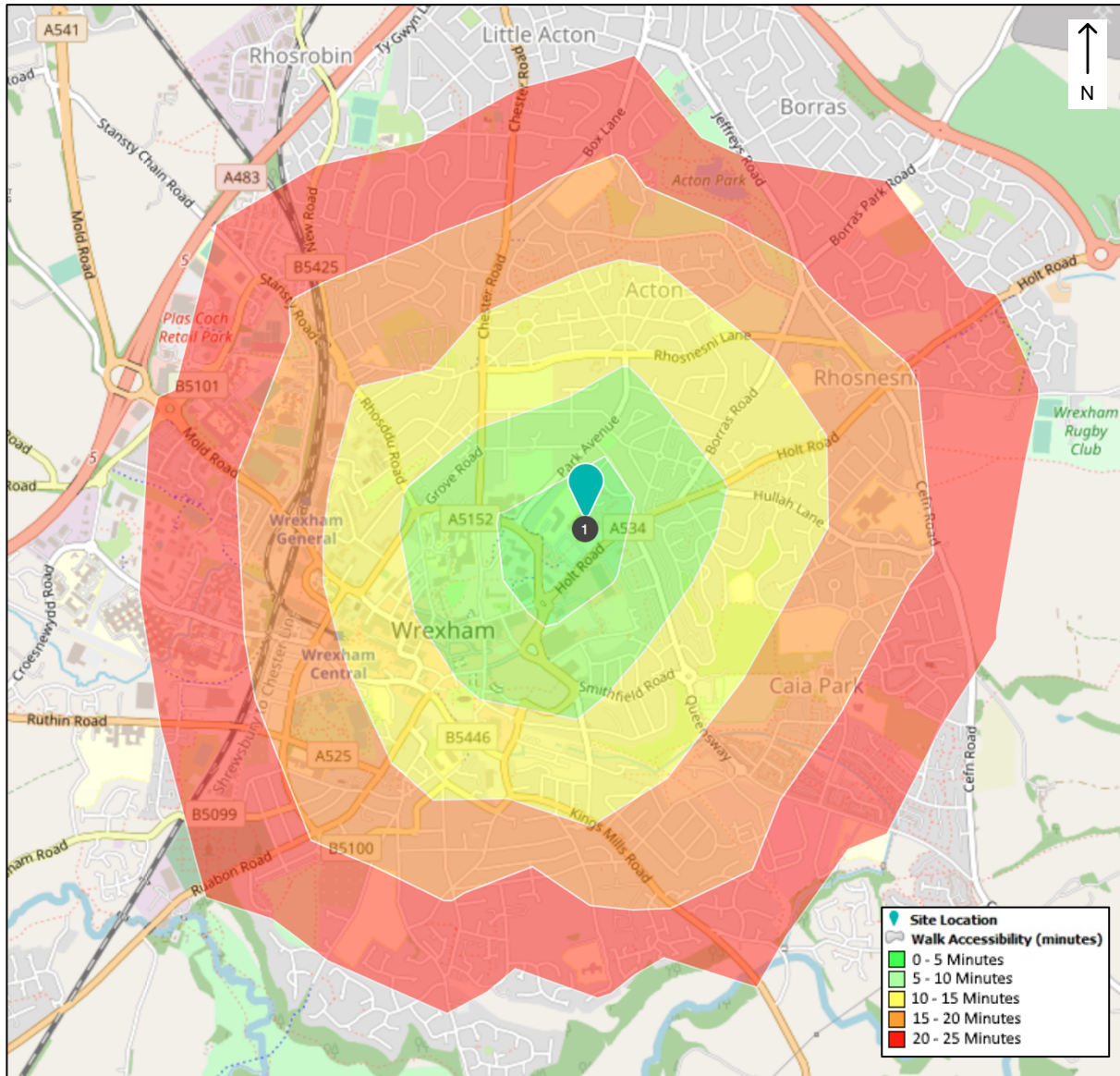
Road Safety

- 2.6 A review of the injury accident data provided by the Department for Transport (DfT) has been undertaken for the latest available three-year data.
- 2.7 The accident data review identifies that a single accident has been recorded at the roundabout access to the ASDA superstore in 2017 which was classified as slight.
- 2.8 On the basis of the review it is not considered that there are any pre-existing patterns or trends of incidents that could be affected by the development proposals.

Access by Non-Car Modes

- 2.9 Pedestrian facilities are provided within the vicinity of the site connecting to a number of local commercial areas that are situated within walking distance. The majority of the north-east Wrexham area including Acton are within walking distance of the site as illustrated in **Figure 2.1** below.

Figure 2.1 – Walk Accessibility Plan



- 2.10 The nearest bus stops are located at Holt Road to the south east of the site, reachable by a direct pedestrian walkway and steps from the site. The pedestrian walkway will be retained across the frontage of the unit.
- 2.11 A summary of the main bus routes which serve these stops are provided in **Table 2.1** below:

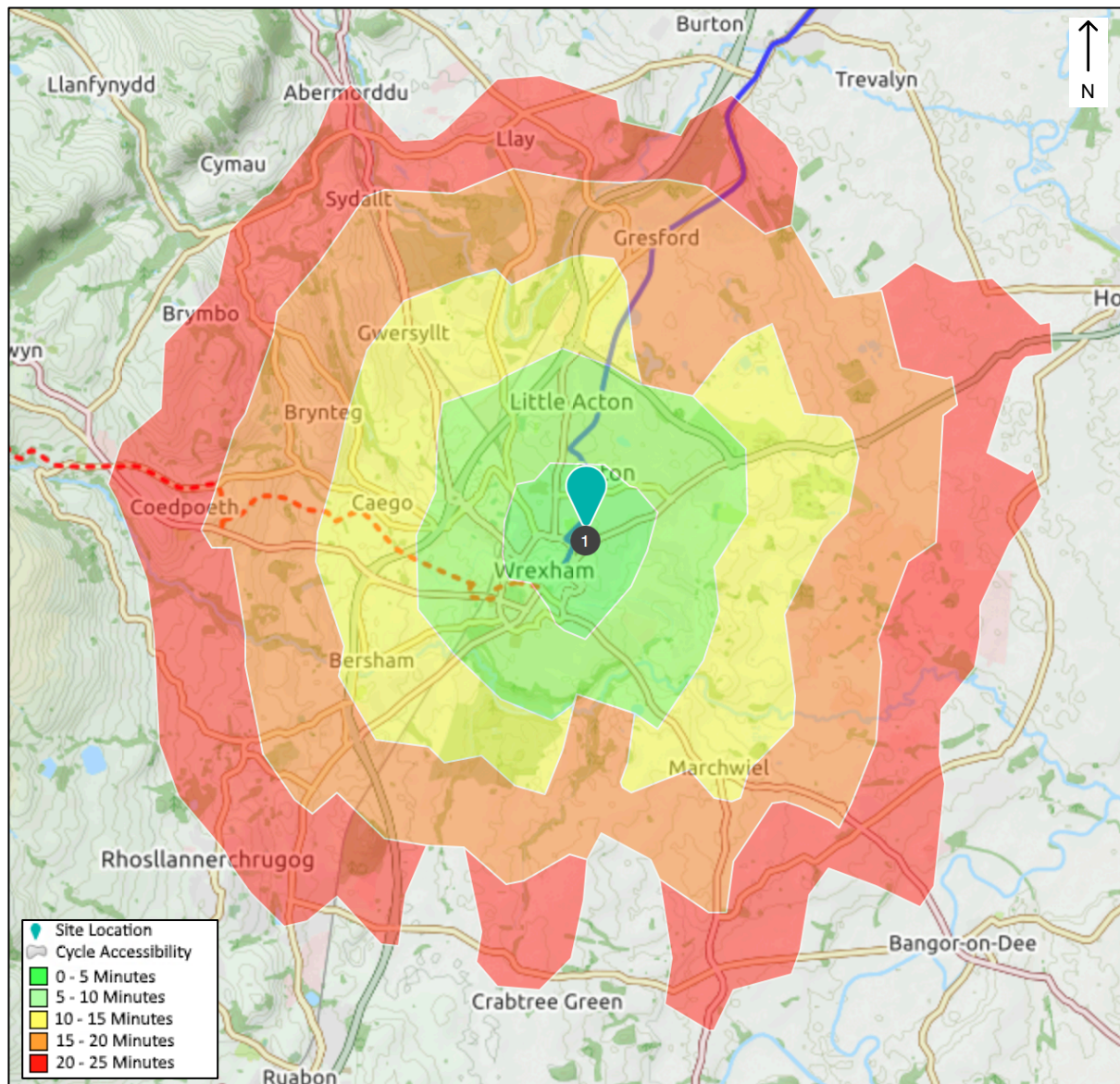
Table 2.1 – Bus Service Summary

Service	Route Description	Core Weekday Frequency
5 Gold	Wrexham - Llangollen	Every 30 mins
7	Wrexham – Wrexham via Caia Park	Every 30 mins
TL1	Wrexham – Borrass via Maes y Dre	3 per day

Source: Traveline

- 2.12 All of the Wrexham area is located within 5km cycling distance of the site, a distance that is widely recognised to have the potential to substitute shorter car journeys. **Figure 2.2** below illustrates the areas located within a 5km cycle journey of the site.

Figure 2.2 – Cycle Accessibility Plan



Map Data © OpenStreetMap Contributors, CC-BY-SA

- 2.13 The plan illustrates that the site is located within a 25-minute cycle journey of Gresford as well as a number of surrounding areas including Little Acton and Bersham. National Cycle Network Route 84 provides a cycle trail to the west of the site heading towards Llangollen.
- 2.14 The site is well placed within a mile of two Railway stations. Wrexham Central Railway Station is the southern terminus of the Borderlands Line and provides hourly services to Shotton and Bidston.
- 2.15 Wrexham General Railway Station is the larger of the two stations and provides Inter-City services towards Holyhead, Liverpool Lime Street, Birmingham International, Cardiff Central, London Euston as well as services and connections towards Liverpool Central and Manchester Piccadilly.
- 2.16 Overall, it can be summarised that the site offers excellent potential for journeys to be undertaken by modes other than car.

3 Proposed Development

General

- 3.1 The development proposals for the site consist of the construction of a new drive-thru coffee shop facility, replacing an area of car parking within the existing wider foodstore car park.
- 3.2 The proposed unit would have a GFA of around 200m². The development will see the removal of 69 existing car parking spaces with seven new spaces provided adjacent to the coffee shop unit, inclusive of two mobility impaired user spaces. This total is exclusive of the drive-thru order waiting bay.
- 3.3 The proposed site layout plan is included at **Appendix 1**.

Site Access Arrangements and Proposed Internal Layout

- 3.4 It is proposed that the existing ASDA site access and egress arrangements will be retained to serve the proposed development.
- 3.5 The layout of the proposed development has been designed to be incorporated harmoniously within the existing access and circulation arrangements of the wider site.
- 3.6 A swept path analysis of the site using a 7t box van, a standard refuse collection vehicle and a large car around the drive thru lane has been undertaken and demonstrates that the proposed layout will accommodate these vehicles. The swept path analysis is included at **Appendix 2**.

Traffic Generation and Parking Provision

Weekday TRICS Trip Generation and Parking Accumulation – Drive-Thru

- 3.7 The TRICS Database has been used to estimate the likely numbers of trips expected to be generated by the development of the proposed drive thru units by using the most similar appropriate category within the database. The selection criteria applied to derive the comparative sites are listed below:
- Land use – Hotel, Food & Drink, sub-category – Fast Food Drive-Through;
 - All London and Ireland sites excluded;
 - Weekday or Saturday surveys only (as appropriate); and
 - Selection by GFA.
- 3.8 A summary of the trip rates is shown below in **Table 3.1** with the full TRICS output provided at **Appendix 3**:

Table 3.1: TRICS Weekday Trip Rates (per 100m² GFA) for the proposed Drive-Thru Unit

Time Range	Arrivals	Departures	Total	Accumulation Rate
05:00-06:00	0.583	0	0.583	0.583
06:00-07:00	2.909	1.956	4.865	1.536
07:00-08:00	5.819	4.864	10.683	2.491
08:00-09:00	8.135	7.614	15.749	3.012
09:00-10:00	6.225	6.862	13.087	2.375
10:00-11:00	4.888	4.787	9.675	2.476
11:00-12:00	6.853	6.374	13.227	2.955
12:00-13:00	11.287	9.776	21.063	4.466
13:00-14:00	10.532	10.985	21.517	4.013
14:00-15:00	8.239	9.07	17.309	3.182
15:00-16:00	8.491	8.566	17.057	3.107
16:00-17:00	8.995	8.995	17.99	3.107
17:00-18:00	9.549	9.247	18.796	3.409
18:00-19:00	9.574	9.826	19.4	3.157
19:00-20:00	8.869	9.625	18.494	2.401
20:00-21:00	5.719	6.526	12.245	1.594
21:00-22:00	3.93	4.107	8.037	1.417
22:00-23:00	2.168	2.71	4.878	0.875
Daily Trip Rate	122.765	122.71	245.475	-

- 3.9 The above trip rates have been applied to the GFA of the development, which totals approximately 200m², to provide the anticipated vehicle movements, as shown in **Table 3.2** below:

Table 3.2: Estimated Trip Generation – Weekday – Drive-Thru Unit (200m² GFA)

Time Range	Arrivals	Departures	Total	Parking Accumulation
05:00-06:00	1	0	1	3
06:00-07:00	6	4	10	5
07:00-08:00	12	10	21	7
08:00-09:00	16	15	31	8
09:00-10:00	12	14	26	7
10:00-11:00	10	10	19	7
11:00-12:00	14	13	26	8
12:00-13:00	23	20	42	11
13:00-14:00	21	22	43	10
14:00-15:00	16	18	35	8
15:00-16:00	17	17	34	8
16:00-17:00	18	18	36	8
17:00-18:00	19	18	38	9
18:00-19:00	19	20	39	8
19:00-20:00	18	19	37	7
20:00-21:00	11	13	24	5
21:00-22:00	8	8	16	5
22:00-23:00	4	5	10	4
Daily Total	246	245	491	-

- 3.10 The results show that during the busiest peak hour (13:00-14:00) the proposed drive thru unit development would result in around 43 two-way movements. This equates to approximately three vehicle every two minutes either arriving or departing the site during the busiest hour. The data also shows a peak parking accumulation of 11 vehicles between 12:00-13:00.

Saturday TRICS Trip Generation and Parking Accumulation – Drive Thru

- 3.11 The same assessment has been run for Saturday data and is summarised at **Table 3.3** below with the full TRICS outputs included at **Appendix 3**:

Table 3.3: TRICS Saturday Trip Rates (per 100m² GFA) for the proposed Drive-Thru Unit

Time Range	Arrivals	Departures	Total	Accumulation Rate
05:00-06:00	1.429	0.857	2.286	0.572
06:00-07:00	4.155	2.493	6.648	2.234
07:00-08:00	10.778	9.923	20.701	3.089
08:00-09:00	14.371	13.944	28.315	3.516
09:00-10:00	17.36	14.993	32.353	5.883
10:00-11:00	14.778	16.212	30.99	4.449
11:00-12:00	19.727	17.575	37.302	6.601
12:00-13:00	28.479	25.753	54.232	9.327
13:00-14:00	28.694	30.344	59.038	7.677
14:00-15:00	26.542	26.112	52.654	8.107
15:00-16:00	24.462	23.888	48.35	8.681
16:00-17:00	25.61	26.686	52.296	7.605
17:00-18:00	24.247	25.825	50.072	6.027
18:00-19:00	26.829	26.327	53.156	6.529
19:00-20:00	22.382	23.888	46.27	5.023
20:00-21:00	16.212	16.714	32.926	4.521
21:00-22:00	12.554	12.841	25.395	4.234
22:00-23:00	10.274	12.035	22.309	2.473
Daily Trip Rate	338.961	336.88	675.841	-

- 3.12 The above trip rates have been applied to the GFA of the development, which totals approximately 200m², to provide the anticipated vehicle movements, as shown in **Table 3.4** below:

Table 3.4: Estimated Trip Generation – Saturday – Drive-Thru Unit (200m² GFA)

Time Range	Arrivals	Departures	Total	Parking Accumulation
05:00-06:00	3	2	5	3
06:00-07:00	8	5	13	6
07:00-08:00	22	20	41	8
08:00-09:00	29	28	57	9
09:00-10:00	35	30	65	14
10:00-11:00	30	32	62	11
11:00-12:00	39	35	75	15
12:00-13:00	57	52	108	21
13:00-14:00	57	61	118	17
14:00-15:00	53	52	105	18
15:00-16:00	49	48	97	19
16:00-17:00	51	53	105	17
17:00-18:00	48	52	100	14
18:00-19:00	54	53	106	15
19:00-20:00	45	48	93	12
20:00-21:00	32	33	66	11
21:00-22:00	25	26	51	10
22:00-23:00	21	24	45	7
Daily Total	678	674	1352	-

- 3.13 The results show that during the busiest Saturday lunchtime peak hour (13:00-14:00) the proposed drive thru unit development would result in around 118 two-way movements. The data also shows a peak parking accumulation of 21 vehicles between 12:00-13:00.
- 3.14 This equates to approximately two vehicles every minute either arriving or departing the site during the busiest peak hour.
- 3.15 In terms of the types of trips that would be generated by the development, it is anticipated that the significant majority of trips would be linked with the existing uses present on the wider site and that there would be negligible further trips that would involve additional vehicle movements on the local public highway network.
- 3.16 It is further noted that developments of this type generate very low levels of 'new' or 'primary' vehicle trips.

Remaining Retail Site Parking Provision - Weekday

- 3.17 The development proposals result in the loss of 62 spaces following the provision of seven new spaces, thus revising the parking provision on the wider site to 428 spaces, excluding car wash and order collection spaces.
- 3.18 In order to demonstrate that the remaining car parking provision is suitable to serve the foodstore, the TRICS Database has been used to estimate the likely numbers of trips expected to be generated by the store by using the most similar appropriate category within the database. The selection criteria applied to derive the comparative sites are listed below:
- Land use – Retail, sub-category – Food Superstore;
 - All London and Ireland sites excluded;
 - Weekday or Saturday surveys only (as appropriate); and
 - Selection by GFA.
- 3.19 A summary of the trip rates is shown below in **Table 3.5** with the full TRICS output provided at **Appendix 3**:

Table 3.5: TRICS Weekday Trip Rates (per 100m² GFA) for the Foodstore

Time Range	Arrivals	Departures	Total	Accumulation Rate
06:00-07:00	0.315	0.073	0.388	0.242
07:00-08:00	1.254	0.854	2.108	0.642
08:00-09:00	2.024	1.571	3.595	1.095
09:00-10:00	2.927	2.248	5.175	1.774
10:00-11:00	3.092	2.851	5.943	2.015
11:00-12:00	3.405	3.213	6.618	2.207
12:00-13:00	3.644	3.577	7.221	2.274
13:00-14:00	3.448	3.47	6.918	2.252
14:00-15:00	3.233	3.365	6.598	2.12
15:00-16:00	3.312	3.365	6.677	2.067
16:00-17:00	3.251	3.325	6.576	1.993
17:00-18:00	3.339	3.449	6.788	1.883
18:00-19:00	3.112	3.391	6.503	1.604
19:00-20:00	2.205	2.693	4.898	1.116
20:00-21:00	1.419	1.821	3.24	0.714
21:00-22:00	0.817	1.138	1.955	0.393
22:00-23:00	0.058	0.214	0.272	0.237
Daily Trip Rate	40.855	40.618	81.473	-

- 3.20 The above trip rates have been applied to the GFA of the development, which totals approximately 7,500m², to provide the anticipated vehicle movements, as shown in **Table 3.6** below:

Table 3.6: Estimated Trip Generation – Weekday – Foodstore (7,500m² GFA)

Time Range	Arrivals	Departures	Total	Parking Accumulation
06:00-07:00	24	5	29	48
07:00-08:00	94	64	158	78
08:00-09:00	152	118	270	112
09:00-10:00	220	169	388	163
10:00-11:00	232	214	446	181
11:00-12:00	255	241	496	196
12:00-13:00	273	268	542	201
13:00-14:00	259	260	519	199
14:00-15:00	242	252	495	189
15:00-16:00	248	252	501	185
16:00-17:00	244	249	493	179
17:00-18:00	250	259	509	171
18:00-19:00	233	254	488	150
19:00-20:00	165	202	367	114
20:00-21:00	106	137	243	84
21:00-22:00	61	85	147	59
22:00-23:00	4	16	20	48
Daily Trips	3064	3046	6110	-

- 3.21 The data also shows a peak parking accumulation of 201 vehicles between 12:00-13:00.

Saturday TRICS Trip Generation and Parking Accumulation - Foodstore

- 3.22 The same assessment has been run for Saturday data and is summarised at **Table 3.7** below with the full TRICS outputs included at **Appendix 3**:

Table 3.7: TRICS Saturday Trip Rates (per 100m² GFA) for the Foodstore

Time Range	Arrivals	Departures	Total	Accumulation Rate
06:00-07:00	0.471	0.224	0.695	0.247
07:00-08:00	1.302	0.847	2.149	0.702
08:00-09:00	2.632	1.953	4.585	1.381
09:00-10:00	3.867	3.005	6.872	2.243
10:00-11:00	4.92	4.174	9.094	2.989
11:00-12:00	5.421	5.089	10.51	3.321
12:00-13:00	5.356	5.336	10.692	3.341
13:00-14:00	5.285	5.403	10.688	3.223
14:00-15:00	5.19	5.138	10.328	3.275
15:00-16:00	5.069	5.257	10.326	3.087
16:00-17:00	4.787	5.254	10.041	2.62
17:00-18:00	4.033	4.884	8.917	1.769
18:00-19:00	3.124	3.842	6.966	1.051
19:00-20:00	1.929	2.476	4.405	0.504
20:00-21:00	1.099	1.375	2.474	0.228
21:00-22:00	0.562	0.766	1.328	0.024
22:00-23:00	0.164	0.248	0.412	0
23:00-24:00	0.865	1.038	1.903	0
Daily Trip Rate	56.076	56.309	112.385	-

- 3.23 The above trip rates have been applied to the GFA of the ASDA store, which totals approximately 7,500m², to provide the anticipated vehicle movements, as shown in **Table 3.8** below:

Table 3.8: Estimated Trip Generation – Saturday – Foodstore (7,500m² GFA)

Time Range	Arrivals	Departures	Total	Parking Accumulation
06:00-07:00	35	17	52	49
07:00-08:00	98	64	161	83
08:00-09:00	197	146	344	134
09:00-10:00	290	225	515	198
10:00-11:00	369	313	682	254
11:00-12:00	407	382	788	279
12:00-13:00	402	400	802	281
13:00-14:00	396	405	802	272
14:00-15:00	389	385	775	276
15:00-16:00	380	394	774	262
16:00-17:00	359	394	753	227
17:00-18:00	302	366	669	163
18:00-19:00	234	288	522	109
19:00-20:00	145	186	330	68
20:00-21:00	82	103	186	47
21:00-22:00	42	57	100	32
22:00-23:00	12	19	31	26
23:00-24:00	65	78	143	13
Daily Total	4206	4223	8429	-

- 3.24 The data shows a peak parking accumulation of 281 vehicles between 12:00-13:00. Even when allowing for the loss of 62 spaces after the addition of the parking demand of the proposed coffee shop unit (peak parking demand of 21) there remains significant spare capacity.

Traffic Generation and Parking Provision Summary

- 3.25 The proposed drive-thru coffee shop would provide an additional facility for the users of the retail store and in itself would not lead to any significant numbers of vehicle movements on the local highway network.
- 3.26 The provision of parking for the wider site has been reviewed and it is shown that significant spare capacity will remain available within the car park even accounting for the loss of 62 spaces across the wider site.

4 Summary and Conclusions

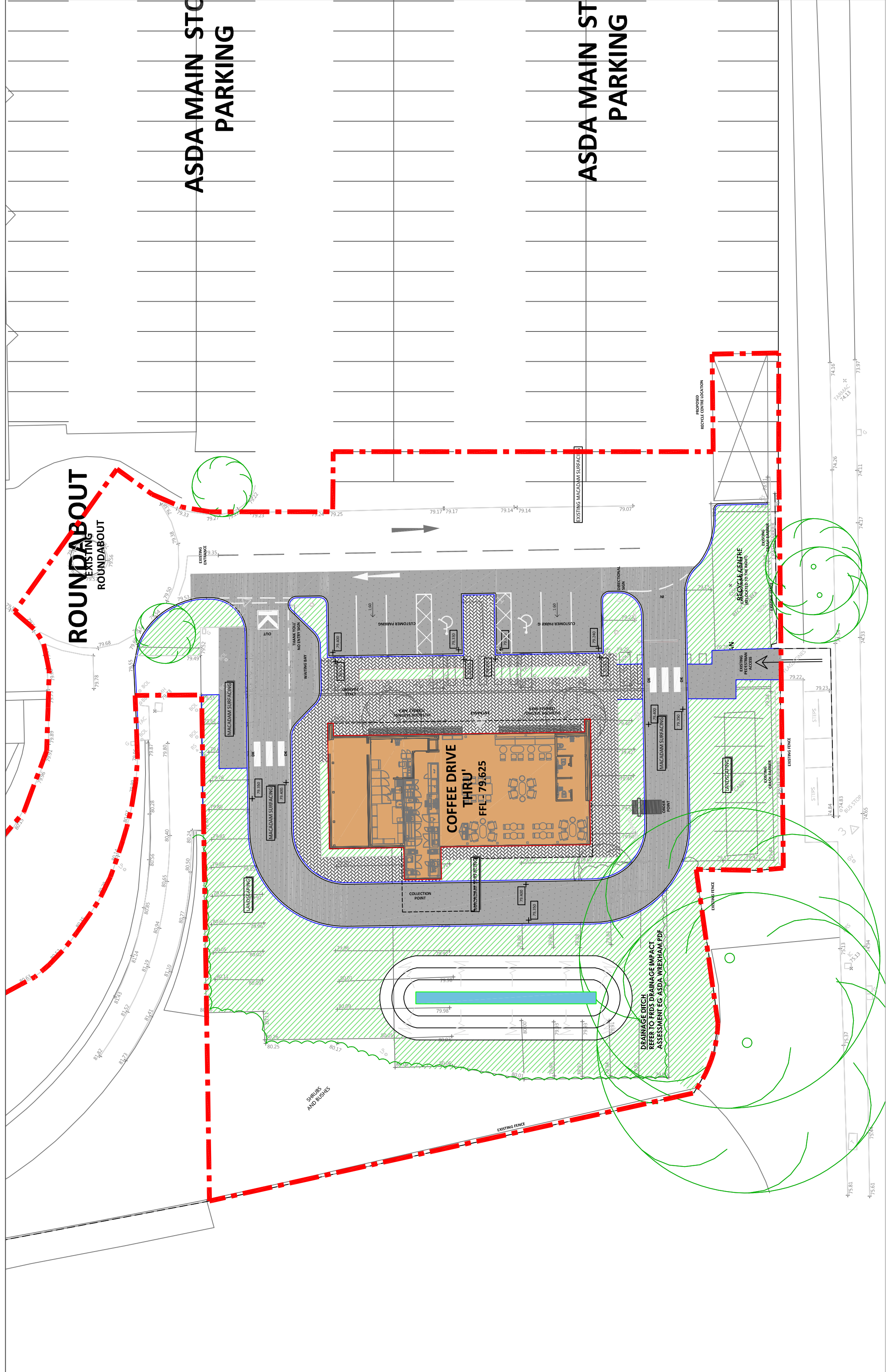
- 4.1 Dynamic Transport Planning are instructed to provide transport and highways advice regarding the proposals by EG Group for the development of a new drive-thru coffee shop development within the car parking area of the ASDA Superstore at Holt Road, Wrexham.
- 4.2 The proposed development will provide a new drive-thru coffee shop resulting in the loss of 62 car parking spaces within the existing store car park, though this is the section of parking most remote from the foodstore.
- 4.3 A review of the existing highway accident data within the vicinity of the site has been undertaken and shows that there are no pre-existing patterns or trends of incidents that could be impacted by the development proposals.
- 4.4 The accessibility of the site by non-car modes of travel has been reviewed and the site is shown to have excellent access by a number of sustainable modes of travel.
- 4.5 The traffic generating potential of the development has been considered and is not expected to lead to any significant increase in vehicle movements to the site with the majority of trips to be linked with vehicles already accessing the wider site.
- 4.6 The parking provision of the wider retail site has been reviewed and it is shown that significant spare capacity will be retained once the development is in place which would cater for any seasonal peaks of demand above the typical levels.
- 4.7 Overall, the proposals will represent an additional facility to users of the wider retail site and on the basis of the above assessment it is considered that there are no outstanding reasons why the development should not be granted planning permission.

Appendix 1

Proposed Site Layout Plan

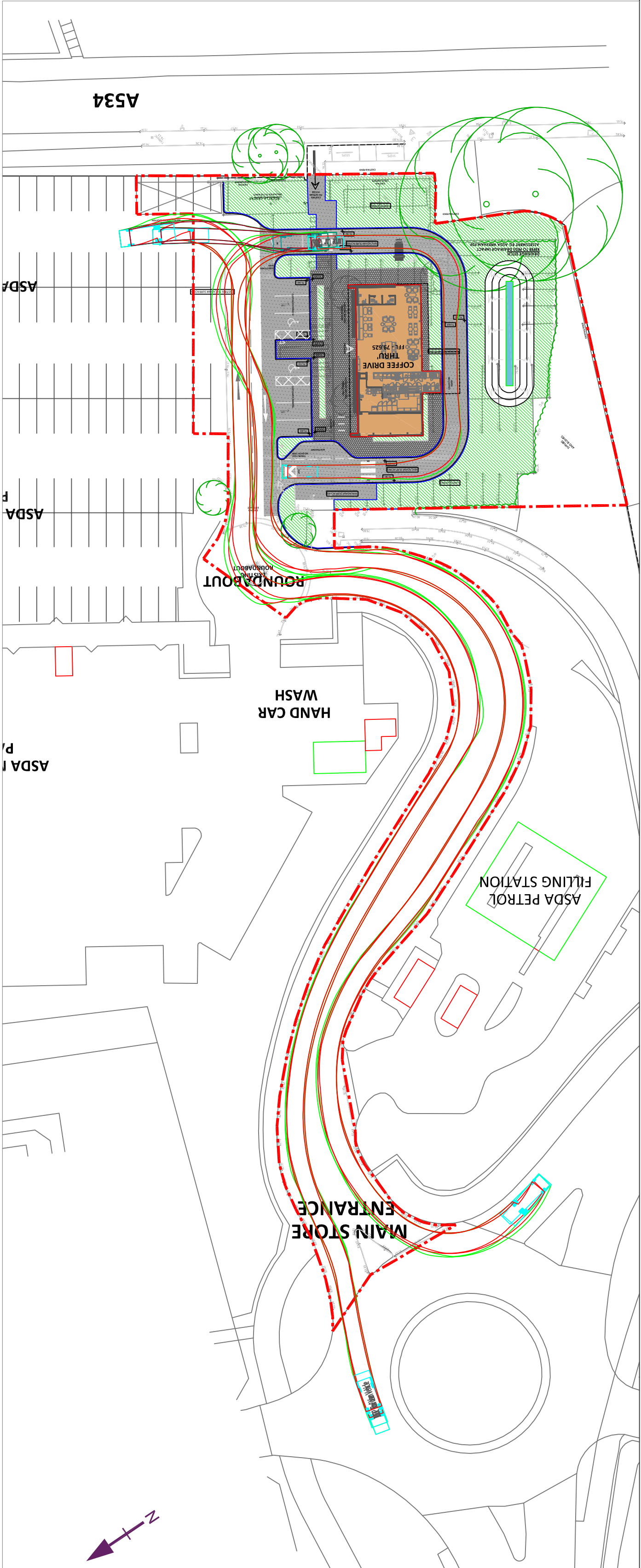
Appendix 2

Swept Path Analysis

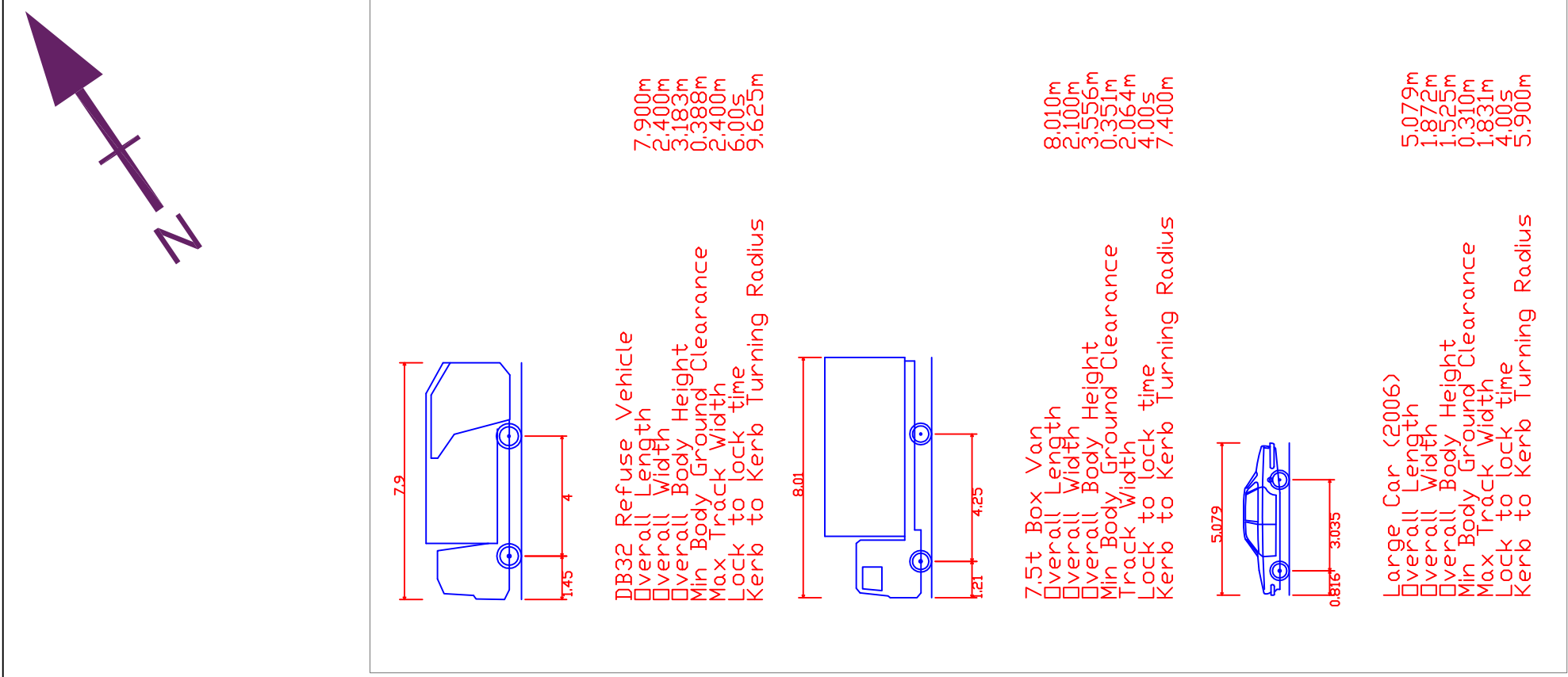
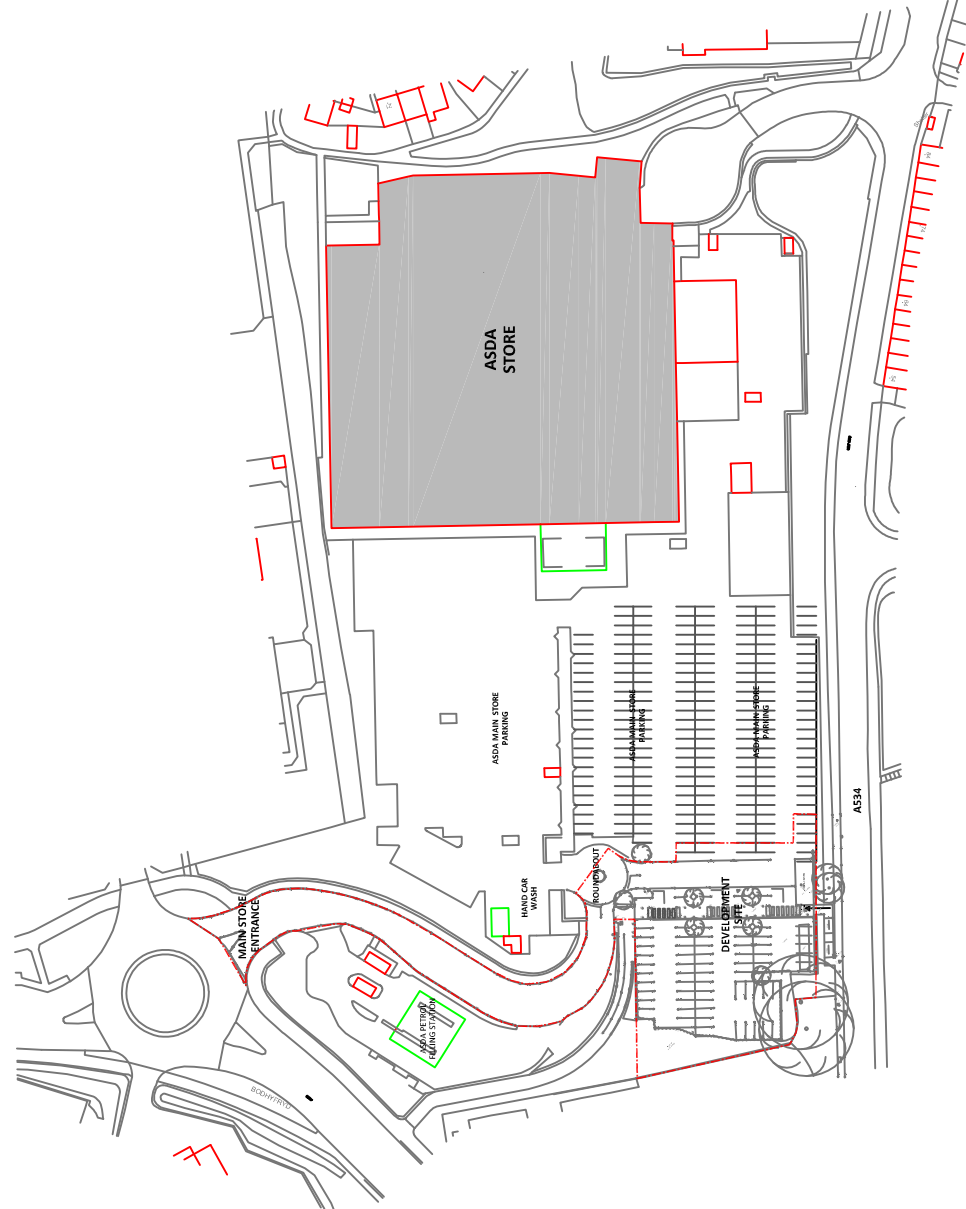


Proposed Site Layout (Scale 1/250)

Swept Path Analysis (Scale 1/500)



Existing Site Layout (Scale 1/2000)



Notes		Architect Layout Update		GS
A	20/02/20	Revisions	Date	Drawn
DYNAMIC TRANSPORT PLANNING +44 (0) 7411 751 693 www.dynamictransportplanning.co.uk enquiries@dynamictransportplanning.co.uk				
Client				
EG Group Ltd				
Project				
Proposed Drive Thru Coffee Shop Development, ASDA Superstore Site, Wrexham				
Drawing Title				
Proposed Site Layout - Swept Path Analysis - Refuse Vehicle, 7.5t Box Van and Large Car				
Date	January 2020	Scale	As Specified @ A1	
Drawn	GS	Approved	GS	
Drawing Number		DTP/3703319-10/ATR001		Rev. A

Appendix 3

TRICS Outputs

Calculation Reference: AUDIT-262601-191114-1111

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD & DRINK
 Category : D - FAST FOOD - DRIVE THROUGH
 VEHICLES

Selected regions and areas:

01	GREATER LONDON	
	EG EALING	1 days
	HO HOUNSLOW	1 days
02	SOUTH EAST	
	SO SLOUGH	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
10	WALES	
	CO CONWY	1 days
11	SCOTLAND	
	FI FIFE	1 days
15	GREATER DUBLIN	
	DL DUBLIN	1 days
16	ULSTER (REPUBLIC OF IRELAND)	
	DN DONEGAL	1 days
17	ULSTER (NORTHERN IRELAND)	
	DE DERRY	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: Gross floor area
 Actual Range: 225 to 800 (units: sqm)
 Range Selected by User: 123 to 800 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 30/03/19

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	2 days
Wednesday	3 days
Thursday	1 days
Friday	3 days

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

Selected survey types:

Manual count	9 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 Centre	2
Suburban Area (PPS6 Out of Centre)	4
Edge of Town	3

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:

Commercial Zone	1
Development Zone	2
Residential Zone	3
Built-Up Zone	2
Out of Town	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,

Secondary Filtering selection:

Use Class:

A3	8 days
A5	1 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	2 days
10,001 to 15,000	1 days
15,001 to 20,000	2 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
25,001 to 50,000	2 days
50,001 to 75,000	1 days
75,001 to 100,000	1 days
100,001 to 125,000	2 days
125,001 to 250,000	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	4 days
1.1 to 1.5	5 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	9 days
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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
3 Moderate	2 days

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

LIST OF SITES relevant to selection parameters

1	CA-06-D-02	MCDONALD'S		CAMBRIDGESHIRE
	NEWMARKET ROAD			
	CAMBRIDGE			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	435 sqm		
	Survey date: TUESDAY	19/09/17		Survey Type: MANUAL
2	CO-06-D-01	MCDONALD'S		CONWY
	RHUDDLAN ROAD			
	ABERGELE			
	Edge of Town			
	Out of Town			
	Total Gross floor area:	410 sqm		
	Survey date: FRIDAY	21/10/11		Survey Type: MANUAL
3	DE-06-D-01	KFC		DERRY
	STRAND ROAD			
	LONDONDERRY			
	Suburban Area (PPS6 Out of Centre)			
	Development Zone			
	Total Gross floor area:	240 sqm		
	Survey date: THURSDAY	21/06/12		Survey Type: MANUAL
4	DL-06-D-01	MCDONALD'S		DUBLIN
	KYLEMORE ROAD			
	DUBLIN			
	DUBLIN 12			
	Suburban Area (PPS6 Out of Centre)			
	Commercial Zone			
	Total Gross floor area:	800 sqm		
	Survey date: WEDNESDAY	28/09/11		Survey Type: MANUAL
5	DN-06-D-01	KFC		DONEGAL
	PORT ROAD			
	LETTERKENNY			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	225 sqm		
	Survey date: WEDNESDAY	30/11/11		Survey Type: MANUAL
6	EG-06-D-01	MCDONALD'S		EALING
	UXBRIDGE ROAD			
	SOUTHALL			
	Suburban Area (PPS6 Out of Centre)			
	Built-Up Zone			
	Total Gross floor area:	726 sqm		
	Survey date: FRIDAY	11/05/12		Survey Type: MANUAL
7	FI-06-D-02	KFC		FIFE
	WHIMBREL PLACE			
	DUNFERMLINE			
	HALBEATH			
	Edge of Town			
	Development Zone			
	Total Gross floor area:	275 sqm		
	Survey date: TUESDAY	22/03/16		Survey Type: MANUAL
8	HO-06-D-01	MCDONALD'S		HOUNSLOW
	HIGH STREET			
	BRENTFORD			
	Edge of Town Centre			
	Built-Up Zone			
	Total Gross floor area:	378 sqm		
	Survey date: FRIDAY	07/12/12		Survey Type: MANUAL
9	SO-06-D-01	MCDONALD'S		SLOUGH
	WINDSOR ROAD			
	SLOUGH			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	480 sqm		
	Survey date: WEDNESDAY	21/11/12		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.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/D - FAST FOOD - DRIVE THROUGH 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 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	2	429	0.583	2	429	0.000	2	429	0.583
06:00 - 07:00	4	499	2.909	4	499	1.956	4	499	4.865
07:00 - 08:00	7	493	5.819	7	493	4.864	7	493	10.683
08:00 - 09:00	7	493	8.135	7	493	7.614	7	493	15.749
09:00 - 10:00	7	493	6.225	7	493	6.862	7	493	13.087
10:00 - 11:00	9	441	4.888	9	441	4.787	9	441	9.675
11:00 - 12:00	9	441	6.853	9	441	6.374	9	441	13.227
12:00 - 13:00	9	441	11.287	9	441	9.776	9	441	21.063
13:00 - 14:00	9	441	10.532	9	441	10.985	9	441	21.517
14:00 - 15:00	9	441	8.239	9	441	9.070	9	441	17.309
15:00 - 16:00	9	441	8.491	9	441	8.566	9	441	17.057
16:00 - 17:00	9	441	8.995	9	441	8.995	9	441	17.990
17:00 - 18:00	9	441	9.549	9	441	9.247	9	441	18.796
18:00 - 19:00	9	441	9.574	9	441	9.826	9	441	19.400
19:00 - 20:00	9	441	8.869	9	441	9.625	9	441	18.494
20:00 - 21:00	9	441	5.719	9	441	6.526	9	441	12.245
21:00 - 22:00	9	441	3.930	9	441	4.107	9	441	8.037
22:00 - 23:00	6	431	2.168	6	431	2.710	6	431	4.878
23:00 - 24:00	3	366	0.000	3	366	0.820	3	366	0.820
Total Rates:			122.765			122.710			245.475

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:	225 - 800 (units: sqm)
Survey date range:	01/01/11 - 30/03/19
Number of weekdays (Monday-Friday):	9
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
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-262601-191114-1137

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD & DRINK
Category : D - FAST FOOD - DRIVE THROUGH
VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	DV DEVON	1 days
10	WALES	
	CE CEREDIGION	1 days
13	MUNSTER	
	CR CORK	1 days
16	ULSTER (REPUBLIC OF IRELAND)	
	DN DONEGAL	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: Gross floor area
Actual Range: 225 to 447 (units: sqm)
Range Selected by User: 123 to 800 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 30/03/19

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:

Saturday 4 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:

Edge of Town Centre	1
Suburban Area (PPS6 Out of Centre)	2
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	1
Retail Zone	2
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:

A3 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®.

Secondary Filtering selection (Cont.):

Population within 1 mile:

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

1.1 to 1.5	4 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	4 days
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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
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CE-06-D-01	MCDONALD'S		CEREDIGION
	FFORDD PARC Y LLYN			
	ABERYSTWYTH			
	Edge of Town			
	Retail Zone			
	Total Gross floor area:	350 sqm		
	Survey date: SATURDAY	09/05/15		Survey Type: MANUAL
2	CR-06-D-01	MCDONALD'S		CORK
	COMMONS ROAD			
	CORK			
	Suburban Area (PPS6 Out of Centre)			
	No Sub Category			
	Total Gross floor area:	372 sqm		
	Survey date: SATURDAY	15/12/12		Survey Type: MANUAL
3	DN-06-D-02	KFC		DONEGAL
	PORT ROAD			
	LETTERKENNY			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	225 sqm		
	Survey date: SATURDAY	01/12/12		Survey Type: MANUAL
4	DV-06-D-01	MCDONALD'S		DEVON
	HELE ROAD			
	TORQUAY			
	Suburban Area (PPS6 Out of Centre)			
	Retail Zone			
	Total Gross floor area:	447 sqm		
	Survey date: SATURDAY	30/03/19		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.

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/D - FAST FOOD - DRIVE THROUGH 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 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	350	1.429	1	350	0.857	1	350	2.286
06:00 - 07:00	2	361	4.155	2	361	2.493	2	361	6.648
07:00 - 08:00	3	390	10.778	3	390	9.923	3	390	20.701
08:00 - 09:00	3	390	14.371	3	390	13.944	3	390	28.315
09:00 - 10:00	4	349	17.360	4	349	14.993	4	349	32.353
10:00 - 11:00	4	349	14.778	4	349	16.212	4	349	30.990
11:00 - 12:00	4	349	19.727	4	349	17.575	4	349	37.302
12:00 - 13:00	4	349	28.479	4	349	25.753	4	349	54.232
13:00 - 14:00	4	349	28.694	4	349	30.344	4	349	59.038
14:00 - 15:00	4	349	26.542	4	349	26.112	4	349	52.654
15:00 - 16:00	4	349	24.462	4	349	23.888	4	349	48.350
16:00 - 17:00	4	349	25.610	4	349	26.686	4	349	52.296
17:00 - 18:00	4	349	24.247	4	349	25.825	4	349	50.072
18:00 - 19:00	4	349	26.829	4	349	26.327	4	349	53.156
19:00 - 20:00	4	349	22.382	4	349	23.888	4	349	46.270
20:00 - 21:00	4	349	16.212	4	349	16.714	4	349	32.926
21:00 - 22:00	4	349	12.554	4	349	12.841	4	349	25.395
22:00 - 23:00	3	341	10.274	3	341	12.035	3	341	22.309
23:00 - 24:00	3	341	10.078	3	341	10.470	3	341	20.548
Total Rates:			338.961			336.880			675.841

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: 225 - 447 (units: sqm)
 Survey date range: 01/01/11 - 30/03/19
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 4
 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-262601-191113-1132

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : A - FOOD SUPERSTORE
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	SC SURREY	1 days
	WN WINDSOR & MAIDENHEAD	1 days
03	SOUTH WEST	
	SM SOMERSET	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LE LEICESTERSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	2 days
08	NORTH WEST	
	LC LANCASHIRE	1 days
09	NORTH	
	CB CUMBRIA	1 days
	TW TYNE & WEAR	1 days
10	WALES	
	CO CONWY	1 days
	CP CAERPHILLY	1 days
11	SCOTLAND	
	EB CITY OF EDINBURGH	1 days
	SL SOUTH LANARKSHIRE	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: Gross floor area
 Actual Range: 5700 to 15124 (units: sqm)
 Range Selected by User: 2000 to 15950 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 03/05/19

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
Friday	14 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:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	5
Edge of Town	9

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:

Commercial Zone	1
Development Zone	1
Residential Zone	7

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:

A1 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	1 days
5,001 to 10,000	4 days
10,001 to 15,000	5 days
15,001 to 20,000	1 days
20,001 to 25,000	4 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:

50,001 to 75,000	3 days
75,001 to 100,000	4 days
100,001 to 125,000	1 days
125,001 to 250,000	3 days
250,001 to 500,000	5 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	7 days
1.1 to 1.5	6 days
1.6 to 2.0	2 days
2.1 to 2.5	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.

Petrol filling station:

PFS is present at the site and is included in the count	8 days
PFS is present at the site but is excluded from the count	5 days
There is no PFS at the site	3 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Yes	1 days
No	15 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
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CB-01-A-08 BRIDGE STREET CARLISLE	SAINSBURY'S	CUMBRIA
	Edge of Town Centre Built-Up Zone Total Gross floor area:	7200 sqm	
	Survey date: FRIDAY	06/06/14	Survey Type: MANUAL
2	CO-01-A-01 CONWAY ROAD LLANDUDNO	ASDA	CONWY
	Edge of Town Centre Retail Zone Total Gross floor area:	9854 sqm	
	Survey date: FRIDAY	23/03/18	Survey Type: MANUAL
3	CP-01-A-01 NEWBRIDGE ROAD PONTLLANFRAITH	SAINSBURY'S	CAERPHILLY
	Edge of Town No Sub Category Total Gross floor area:	7124 sqm	
	Survey date: FRIDAY	07/10/11	Survey Type: MANUAL
4	DS-01-A-01 WYVERN WAY DERBY CHADDESSEN Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area:	SAINSBURY'S	DERBYSHIRE
	Survey date: FRIDAY	26/06/15	Survey Type: MANUAL
5	EB-01-A-01 THE JEWEL EDINBURGH	ASDA	CITY OF EDINBURGH
	Edge of Town Retail Zone Total Gross floor area:	15124 sqm	
	Survey date: FRIDAY	27/04/18	Survey Type: MANUAL
6	LC-01-A-19 EASTWAY PRESTON FULWOOD Edge of Town Commercial Zone Total Gross floor area:	ASDA	LANCASHIRE
	Survey date: FRIDAY	09/11/18	Survey Type: MANUAL
7	LE-01-A-03 GLEN ROAD LEICESTER OADBY Edge of Town Residential Zone Total Gross floor area:	SAINSBURY'S	LEICESTERSHIRE
	Survey date: FRIDAY	07/11/14	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	NR-01-A-03	SAINSBURY'S		NORTHAMPTONSHIRE
	WEEDON ROAD			
	NORTHAMPTON			
	SIXFIELDS			
	Suburban Area (PPS6 Out of Centre)			
	Development Zone			
	Total Gross floor area:	7012 sqm		
	Survey date: FRIDAY	07/10/11	Survey Type: MANUAL	
9	NT-01-A-05	SAINSBURY'S		NOTTINGHAMSHIRE
	CASTLE BRIDGE ROAD			
	NOTTINGHAM			
	CASTLE BOULEVARD			
	Suburban Area (PPS6 Out of Centre)			
	Retail Zone			
	Total Gross floor area:	8101 sqm		
	Survey date: FRIDAY	07/10/11	Survey Type: MANUAL	
10	SC-01-A-12	SAINSBURY'S		SURREY
	REDDING WAY			
	WOKING			
	KNAPHILL			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	8250 sqm		
	Survey date: FRIDAY	23/11/12	Survey Type: MANUAL	
11	SL-01-A-05	SAINSBURY'S		SOUTH LANARKSHIRE
	GLASGOW ROAD			
	EAST KILBRIDE			
	KINGSGATE RETAIL PARK			
	Edge of Town			
	Retail Zone			
	Total Gross floor area:	11101 sqm		
	Survey date: FRIDAY	07/10/11	Survey Type: MANUAL	
12	SM-01-A-01	ASDA		SOMERSET
	CREECHBARRROW ROAD			
	TAUNTON			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	10725 sqm		
	Survey date: FRIDAY	13/07/12	Survey Type: MANUAL	
13	TW-01-A-02	ASDA		TYNE & WEAR
	WANSBECK ROAD SOUTH			
	NEWCASTLE			
	GOSFORTH			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	9050 sqm		
	Survey date: FRIDAY	03/05/19	Survey Type: MANUAL	
14	WK-01-A-02	ASDA		WARWICKSHIRE
	CHESTERTON DRIVE			
	LEAMINGTON SPA			
	SYDENHAM			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	8018 sqm		
	Survey date: WEDNESDAY	17/10/12	Survey Type: MANUAL	
15	WK-01-A-03	TESCO		WARWICKSHIRE
	EMSCOTE ROAD			
	WARWICK			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	7951 sqm		
	Survey date: TUESDAY	16/10/12	Survey Type: MANUAL	

LIST OF SITES relevant to selection parameters (Cont.)

16	WN-01-A-01	SAINSBURY'S	WINDSOR & MAIDENHEAD
	LAKE END ROAD		
	SLOUGH		
	LENT RISE		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	6065 sqm	
	Survey date: FRIDAY	07/10/11	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.

TRIP RATE for Land Use 01 - RETAIL/A - FOOD SUPERSTORE
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 - 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	6	8210	0.315	6	8210	0.073	6	8210	0.388
07:00 - 08:00	16	9048	1.254	16	9048	0.854	16	9048	2.108
08:00 - 09:00	16	9048	2.024	16	9048	1.571	16	9048	3.595
09:00 - 10:00	16	9048	2.927	16	9048	2.248	16	9048	5.175
10:00 - 11:00	16	9048	3.092	16	9048	2.851	16	9048	5.943
11:00 - 12:00	16	9048	3.405	16	9048	3.213	16	9048	6.618
12:00 - 13:00	16	9048	3.644	16	9048	3.577	16	9048	7.221
13:00 - 14:00	16	9048	3.448	16	9048	3.470	16	9048	6.918
14:00 - 15:00	16	9048	3.233	16	9048	3.365	16	9048	6.598
15:00 - 16:00	16	9048	3.312	16	9048	3.365	16	9048	6.677
16:00 - 17:00	16	9048	3.251	16	9048	3.325	16	9048	6.576
17:00 - 18:00	16	9048	3.339	16	9048	3.449	16	9048	6.788
18:00 - 19:00	16	9048	3.112	16	9048	3.391	16	9048	6.503
19:00 - 20:00	16	9048	2.205	16	9048	2.693	16	9048	4.898
20:00 - 21:00	16	9048	1.419	16	9048	1.821	16	9048	3.240
21:00 - 22:00	16	9048	0.817	16	9048	1.138	16	9048	1.955
22:00 - 23:00	7	8330	0.058	7	8330	0.214	7	8330	0.272
23:00 - 24:00									
Total Rates:			40.855			40.618			81.473

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: 5700 - 15124 (units: sqm)
 Survey date range: 01/01/11 - 03/05/19
 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-262601-191113-1111

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
 Category : A - FOOD SUPERSTORE
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	2 days
	HC HAMPSHIRE	1 days
	SC SURREY	1 days
	WN WINDSOR & MAIDENHEAD	1 days
03	SOUTH WEST	
	DC DORSET	2 days
	SM SOMERSET	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NE NORTH EAST LINCOLNSHIRE	1 days
	NY NORTH YORKSHIRE	2 days
09	NORTH	
	TW TYNE & WEAR	1 days
10	WALES	
	CP CAERPHILLY	1 days
	DB DENBIGHSHIRE	1 days
11	SCOTLAND	
	HI HIGHLAND	1 days
	SL SOUTH LANARKSHIRE	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: Gross floor area
 Actual Range: 3480 to 15950 (units: sqm)
 Range Selected by User: 2000 to 15950 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 03/05/19

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:

Saturday 20 days

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

Selected survey types:

Manual count 20 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 Centre 1
 Suburban Area (PPS6 Out of Centre) 7
 Edge of Town 12

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:

Industrial Zone 1
 Commercial Zone 2
 Development Zone 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:

A1 20 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	5 days
10,001 to 15,000	2 days
15,001 to 20,000	3 days
20,001 to 25,000	4 days
25,001 to 50,000	4 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	2 days
25,001 to 50,000	1 days
50,001 to 75,000	3 days
75,001 to 100,000	3 days
100,001 to 125,000	2 days
125,001 to 250,000	5 days
250,001 to 500,000	4 days

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

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	5 days
1.1 to 1.5	12 days
1.6 to 2.0	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.

Petrol filling station:

PFS is present at the site and is included in the count	10 days
PFS is present at the site but is excluded from the count	6 days
There is no PFS at the site	4 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Yes	4 days
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	20 days
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This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	CA-01-A-02	SAINSBURY'S		CAMBRIDGESHIRE
	OXNEY ROAD			
	PETERBOROUGH			
	NEWARK			
	Edge of Town			
	Industrial Zone			
	Total Gross floor area:	10000 sqm		
	Survey date: SATURDAY	15/10/16		Survey Type: MANUAL
2	CP-01-A-01	SAINSBURY'S		CAERPHILLY
	NEWBRIDGE ROAD			
	PONTLLANFRAITH			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	7124 sqm		
	Survey date: SATURDAY	08/10/11		Survey Type: MANUAL
3	DB-01-A-01	MORRISONS		DENBIGHSHIRE
	MARSH ROAD			
	RHYL			
	Edge of Town Centre			
	Commercial Zone			
	Total Gross floor area:	6894 sqm		
	Survey date: SATURDAY	08/10/11		Survey Type: MANUAL
4	DC-01-A-19	TESCO EXTRA		DORSET
	RIVERSIDE AVENUE			
	BOURNEMOUTH			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	8500 sqm		
	Survey date: SATURDAY	22/03/14		Survey Type: MANUAL
5	DC-01-A-20	MORRISONS		DORSET
	DORCHESTER ROAD			
	WEYMOUTH			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	5500 sqm		
	Survey date: SATURDAY	29/03/14		Survey Type: MANUAL
6	ES-01-A-17	ASDA		EAST SUSSEX
	BATTLE ROAD			
	HASTINGS			
	ST LEONARDS ON SEA			
	Suburban Area (PPS6 Out of Centre)			
	Retail Zone			
	Total Gross floor area:	6920 sqm		
	Survey date: SATURDAY	01/03/14		Survey Type: MANUAL
7	ES-01-A-18	WAITROSE		EAST SUSSEX
	NEVILL ROAD			
	BRIGHTON			
	WEST BLATCHINGTON			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	4644 sqm		
	Survey date: SATURDAY	23/09/17		Survey Type: MANUAL
8	HC-01-A-06	ASDA		HAMPSHIRE
	LARCHWOOD AVENUE			
	HAVANT			
	BEDHAMPTON			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	15950 sqm		
	Survey date: SATURDAY	21/11/15		Survey Type: MANUAL
9	HI-01-A-01	CO-OPERATIVE		HIGHLAND
	74 TELFORD STREET			
	INVERNESS			
	MERKINCH			
	Suburban Area (PPS6 Out of Centre)			
	Retail Zone			
	Total Gross floor area:	3480 sqm		
	Survey date: SATURDAY	14/05/11		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

10	LN-01-A-07 SEARBY ROAD LINCOLN ERMINE EAST Edge of Town Residential Zone Total Gross floor area: Survey date: SATURDAY	WAITROSE 6600 sqm 28/10/17	LINCOLNSHIRE	Survey Type: MANUAL
11	NE-01-A-02 DONCASTER ROAD SCUNTHORPE Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: Survey date: SATURDAY	SAINSBURY'S 7200 sqm 10/05/14	NORTH EAST LINCOLNSHIRE	Survey Type: MANUAL
12	NR-01-A-04 A4500 WEEDON ROAD NORTHAMPTON SIXFIELDS Suburban Area (PPS6 Out of Centre) Development Zone Total Gross floor area: Survey date: SATURDAY	SAINSBURY'S 11800 sqm 18/10/14	NORTHAMPTONSHIRE	Survey Type: MANUAL
13	NT-01-A-05 CASTLE BRIDGE ROAD NOTTINGHAM CASTLE BOULEVARD Suburban Area (PPS6 Out of Centre) Retail Zone Total Gross floor area: Survey date: SATURDAY	SAINSBURY'S 8101 sqm 08/10/11	NOTTINGHAMSHIRE	Survey Type: MANUAL
14	NY-01-A-06 PHEASANT FIELDS LANE SKELTON IN CLEVELAND Edge of Town Out of Town Total Gross floor area: Survey date: SATURDAY	ASDA 4625 sqm 17/09/16	NORTH YORKSHIRE	Survey Type: MANUAL
15	NY-01-A-07 WETHERBY ROAD HARROGATE Edge of Town No Sub Category Total Gross floor area: Survey date: SATURDAY	SAINSBURY'S 9030 sqm 13/10/18	NORTH YORKSHIRE	Survey Type: MANUAL
16	SC-01-A-11 A331 CAMBERLEY Edge of Town No Sub Category Total Gross floor area: Survey date: SATURDAY	SAINSBURY'S 10250 sqm 24/11/12	SURREY	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

17	SL-01-A-05	SAINSBURY'S		SOUTH LANARKSHIRE
	GLASGOW ROAD			
	EAST KILBRIDE			
	KINGSGATE RETAIL PARK			
	Edge of Town			
	Retail Zone			
	Total Gross floor area:	11101 sqm		
	Survey date: SATURDAY	08/10/11	Survey Type: MANUAL	
18	SM-01-A-02	MORRISONS		SOMERSET
	VULCAN ROAD			
	MINEHEAD			
	Edge of Town			
	Commercial Zone			
	Total Gross floor area:	4575 sqm		
	Survey date: SATURDAY	14/07/12	Survey Type: MANUAL	
19	TW-01-A-01	SAINSBURY'S		TYNE & WEAR
	ETHERSTONE AVENUE			
	NEWCASTLE UPON TYNE			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	9300 sqm		
	Survey date: SATURDAY	05/10/13	Survey Type: MANUAL	
20	WN-01-A-01	SAINSBURY'S		WINDSOR & MAIDENHEAD
	LAKE END ROAD			
	SLOUGH			
	LENT RISE			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	6065 sqm		
	Survey date: SATURDAY	08/10/11	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.

TRIP RATE for Land Use 01 - RETAIL/A - FOOD SUPERSTORE
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 - 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	6	7674	0.471	6	7674	0.224	6	7674	0.695
07:00 - 08:00	20	7883	1.302	20	7883	0.847	20	7883	2.149
08:00 - 09:00	20	7883	2.632	20	7883	1.953	20	7883	4.585
09:00 - 10:00	20	7883	3.867	20	7883	3.005	20	7883	6.872
10:00 - 11:00	20	7883	4.920	20	7883	4.174	20	7883	9.094
11:00 - 12:00	20	7883	5.421	20	7883	5.089	20	7883	10.510
12:00 - 13:00	20	7883	5.356	20	7883	5.336	20	7883	10.692
13:00 - 14:00	20	7883	5.285	20	7883	5.403	20	7883	10.688
14:00 - 15:00	20	7883	5.190	20	7883	5.138	20	7883	10.328
15:00 - 16:00	20	7883	5.069	20	7883	5.257	20	7883	10.326
16:00 - 17:00	20	7883	4.787	20	7883	5.254	20	7883	10.041
17:00 - 18:00	20	7883	4.033	20	7883	4.884	20	7883	8.917
18:00 - 19:00	20	7883	3.124	20	7883	3.842	20	7883	6.966
19:00 - 20:00	20	7883	1.929	20	7883	2.476	20	7883	4.405
20:00 - 21:00	20	7883	1.099	20	7883	1.375	20	7883	2.474
21:00 - 22:00	20	7883	0.562	20	7883	0.766	20	7883	1.328
22:00 - 23:00	7	8007	0.164	7	8007	0.248	7	8007	0.412
23:00 - 24:00	1	4625	0.865	1	4625	1.038	1	4625	1.903
Total Rates:			56.076			56.309			112.385

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: 3480 - 15950 (units: sqm)
 Survey date range: 01/01/11 - 03/05/19
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 20
 Number of Sundays: 0
 Surveys automatically removed from selection: 2
 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.