

PROPOSED COMMERCIAL DEVELOPMENT NEWTOWN, POWYS TRANSPORT SCOPING NOTE - 26/10/2021

Introduction

Local Transport Projects Ltd (LTP) has been commissioned to produce a Transport Assessment (TA) in support of a planning application for a proposed commercial development on land to the south-east of Llanidloes Road (A4811) in Newtown, Powys. The land comprises an open field that is bound by Llanidloes Road (A4811) to the north-west, Newtown Bypass to the south-west and Glandulas Holiday Park to the south-east. The land to the north-east of the site, on the opposite side of the access road, has outline planning consent for residential development (60 dwellings). The approximate boundary of the development site is highlighted in blue in Figure 1.

Figure 1: Site Location



Source Imagery: Bing Maps

The proposals involve the development of the site to accommodate the following:

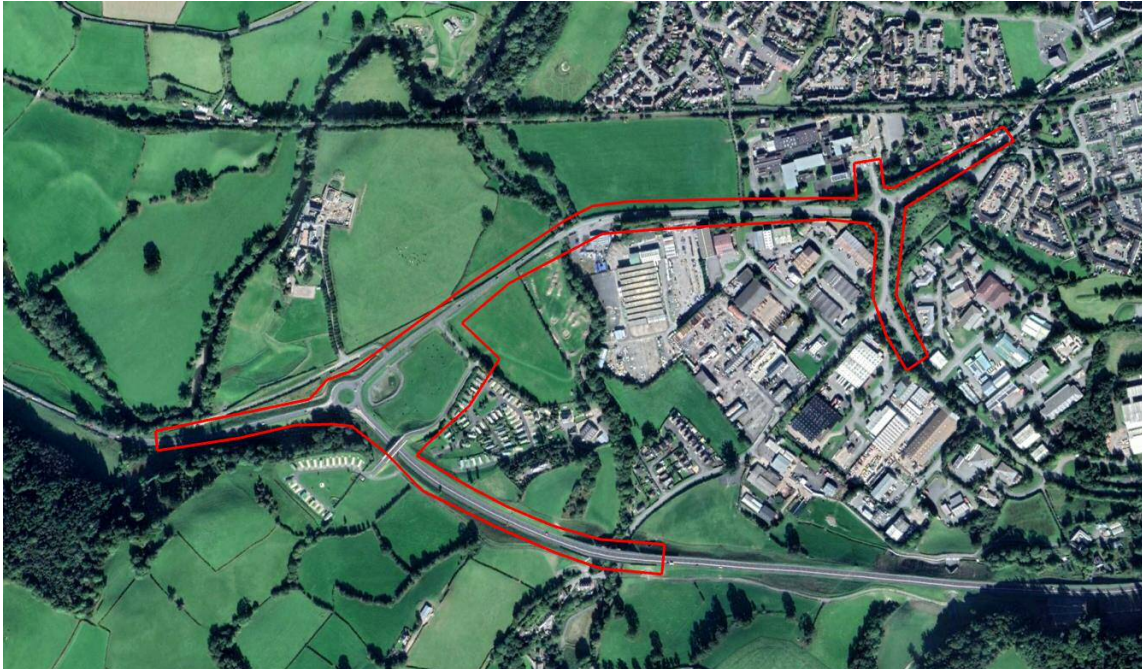
- 50-bedroom hotel;
- Public House/Restaurant – 400m² Gross Floor Area (GFA);
- Drive-Thru unit (restaurant/coffee shop) – 200m² GFA; and
- Petrol Filling Station with retail – 500m² GFA.

A copy of the indicative site layout plan is attached as Appendix 1.

Road Casualty Appraisal Study Area

The proposed study area for the five-year road casualty appraisal to be considered in the TA is outlined in Figure 2.

Figure 2: Road Casualty Appraisal Study Area



Source Imagery: Bing Maps

Projected Traffic Generation – Hotel

The TRICS database is an industry-standard collection of traffic counts and trip generation statistics for calculating trip rates at sites. The TRICS database has been interrogated to find suitable data to assist in estimating the trip generation of the hotel element of the proposed development site.

In order to derive reflective trip rates, vehicle trip generation statistics within the '*Hotel, Food and Drink – Hotels*' category (06-A) of the TRICS database have been interrogated. To ensure that only trip generation statistics for comparable sites were used in calculations, the TRICS sites were filtered to the following criteria:

- Database version: 7.8.2;
- Survey type: All survey types;
- Size: Up to 150 bedrooms;
- TRICS location type: 'Edge of Town' only;
- Regions: UK (excluding Greater London and Ireland sites);
- Weekday survey data only (exclusion of Saturday and Sunday surveys);
- Recent survey data only (exclusion of surveys undertaken prior to 01/01/2013).

As there were less than 20 comparable sites in the database after filtering (4 survey sites), mean trip rates (as weighted and calculated by the TRICS software) have been used to estimate the vehicle trip generation of the hotel element of the proposed development site, in accordance with good practice guidelines (TCL, 2020). The use of 85th percentile trip rates is not recommended by TRICS with data sets under 20 surveys and therefore mean trip rates have been utilised. Details of the site selection and trip rates taken from the TRICS database are attached in full within Appendix 2, with the estimated vehicle trip rates and generation shown in Table 1.

Table 1: Projected Vehicle Trip Generation – Hotel

	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)	
Hotel, Food and Drink – Hotel (06-A)	Arrivals	Departures	Arrivals	Departures
Vehicle Trip Rates (per bedroom)	0.125	0.291	0.270	0.152
Proposed Vehicle Trips (50 bedrooms)	6	15	14	8

The trip generation estimates shown in Table 1 indicates that the hotel element of the proposed development site could be expected to generate up to 21 two-way vehicle trips during the typical weekday AM peak hour (08:00-09:00) and 22 during the PM peak hour (17:00-18:00).

Projected Traffic Generation – Pub/Restaurant

The TRICS database has been interrogated to find suitable data to assist in estimating the trip generation of the Pub/Restaurant element of the proposed development. In order to derive reflective trip rates, vehicle trip generation statistics within the 'Hotel, Food and Drink – Pub/Restaurant' category (06-C) of the TRICS database have been interrogated.

To ensure that only trip generation statistics for comparable sites were used in calculations, the TRICS sites were filtered to the following criteria:

- Database version: 7.8.2;
- Survey type: All survey types;
- Size: Up to 700m²;
- TRICS location type: 'Edge of Town' only;
- Regions: UK (Excluding Greater London and Ireland sites);
- Weekday survey data only (exclusion of Saturday and Sunday surveys); and
- Recent survey data only (exclusion of surveys and undertaken prior to 01/01/2013).

As there were less than 20 comparable sites in the database after filtering (6 survey sites), mean trip rates (as weighted and calculated by the TRICS software) have been used to estimate the vehicle trip generation of the Pub/Restaurant, in accordance with good practice guidelines (TCL, 2020). The use of 85th percentile trip rates is not recommended by TRICS with data sets under 20 surveys and therefore mean trip rates have been utilised. Details of the site selection and trip rates taken from the TRICS database are attached in full within Appendix 3, with the estimated vehicle trip rates and generation shown in Table 2.

Table 2: Projected Vehicle Trip Generation – Pub/Restaurant

	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)	
	Arrivals	Departures	Arrivals	Departures
Hotel, Food and Drink – Pub/Restaurant (06-C)				
Vehicle Trip Rates (per 100m ²)	-	-	5.369	3.100
Proposed Vehicle Trips (400m²)	0	0	21	12

The trip generation estimates shown in Table 2 indicate that the Pub/Restaurant element could be expected to generate no arrivals/departures during the typical AM peak hour (08:00-09:00) as the Pub/Restaurant is not expected to be operational during this time. However, the facility could be expected to generate up to 33 two-way vehicle trips during the PM peak hour (17:00-18:00).

Projected Traffic Generation – Drive-Thru Unit

The TRICS database has been interrogated to find suitable data to assist in estimating the trip generation of the 'Drive-Thru' unit of the proposed development. It is understood that the operator of the 'Drive-Thru' element is unknown at this stage, however the more onerous 'fast food' category has been utilised rather than the 'Drive-Thru' coffee shop as these facilities typically generate more vehicle trips. Vehicle trip generation statistics within the '*Hotel, Food and Drink – Fast Food – Drive Through*' category (06-D) of the TRICS database have been interrogated. To ensure that only trip generation statistics for comparable sites were used in calculations, the TRICS sites were filtered to the following criteria:

- Database version: 7.8.2;
- Survey type: All survey types;
- Size: All sizes;
- TRICS location type: 'Edge of Town' only;
- Regions: UK (excluding Greater London and Ireland sites);
- Weekday survey data only (exclusion of Saturday and Sunday surveys); and
- Recent survey data only (exclusion of surveys undertaken prior to 01/01/2013).

As there were less than 20 comparable sites in the database after filtering (3 survey sites), mean trip rates (as weighted and calculated by the TRICS software) have been used to estimate the vehicle trip generation of the drive-thru element of the proposed development, in accordance with good practice guidelines (TCL, 2020). The use of 85th percentile trip rates is not recommended by TRICS with data sets under 20 surveys and therefore mean trip rates have been utilised. Details of the site selection and trip rates taken from the TRICS database are attached in full within Appendix 4, with the estimated vehicle trip rates and generation shown in Table 3.

Table 3: Projected Vehicle Trip Generation – Drive-Thru Unit

	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)	
Fast Food – Drive-Thru (06-D)	Arrivals	Departures	Arrivals	Departures
Vehicle Trip Rates (per 100m ²)	18.582	17.589	20.102	19.592
Proposed Vehicle Trips (200m²)	37	35	40	39

The trip generation estimates shown in Table 3 indicate that the drive-thru element of the proposed development site could be expected to generate up to 72 two-way vehicle trips during the typical network AM peak hour (08:00-09:00) and 79 during the PM peak hour (17:00-18:00).

Projected Traffic Generation – Petrol Filling Station with Retail

The TRICS database has been interrogated to find suitable data to assist in estimating the trip generation associated with the Petrol Filling Station with retail element of the site.

In order to derive reflective trip rates, vehicle trip generation statistics within the '*Petrol Filling Stations – PFS with Retail*' category (13-B) of the TRICS database have been interrogated. To ensure that only trip generation statistics for comparable sites were used in calculations, the TRICS sites were filtered to the following criteria:

- Database version: 7.8.2;
- Survey type: All survey types;
- Size: All sizes;
- TRICS location type: All location types;
- Regions: UK (excluding Greater London and Ireland sites);
- Weekday survey data only (exclusion of Saturday and Sunday surveys); and
- Recent survey data only (exclusion of surveys undertaken prior to 01/01/2013).

A total of 24 comparable sites were in the database after filtering, and these sites have been interrogated further in order to identify any notable patterns or trends. The available trip rate parameters for this category are either site area or number of filling bays, however analysis of each of the sites has identified that neither of these factors appear to have a large impact on the overall trip generation.

The majority of comparable sites within the database have 8 filling bays, however when the sites are rank ordered by total traffic generation, the sites with the higher number of filling bays are just as likely to appear at the top of the rank order list as they are at the bottom. For example, for the AM and PM peak hours and full daily period, TRICS sites NT-13-B-03 and ST-13-B-01, which have 16 and 10 filling bays respectively both appear near the bottom of the trip generation rank order list, whilst sites EB-13-B-02 and FI-13-B-01, which have 15 and 13 filling bays respectively, both appear near the top of the rank order list. Similarly, sites with 8 filling bays are just as likely to appear near the top of the rank order list as they are towards the bottom.

Further analysis demonstrates that the overall traffic generation of the TRICS PFS sites appears to be largely influenced by the on-site retail offering, with the sites that have a large retail offering more likely to appear near the top of the rank order list than sites with a smaller offering. For example, all the top 10 daily vehicle trip generating sites have an on-site Cooperative, Tesco Express or Marks & Spencer food store, whilst the bottom ranked sites are more likely to include stores such as Spar or Costcutter. The influence of the retail offering at the proposed development site is therefore likely to have a greater influence on the trip generation than the number of filling bays.

The filtering of the TRICS sites included all location types, with the vast majority located in 'Edge of Town' or 'Suburban' areas. Analysis of the site rank order list indicates no significant trend between the TRICS location type and the trip generation of the PFS site, with sites from all location types appearing in various positions on the rank order list. It is therefore considered that the inclusion of all location types is suitable.

The mean vehicle trip generation of the development has been considered, taking into account the overall trip generation (rather than trip rates) for the 24 comparable sites within TRICS for the AM (08:00-09:00) and PM (17:00-18:00) periods.

Details of the site selection and trip rates from the TRICS database are attached in full within Appendix 5. The projected mean vehicle trip generation is shown in Table 4.

Table 4: Projected Vehicle Trip Generation – PFS with Retail

PFS with Retail	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)	
	Arrivals	Departures	Arrivals	Departures
Mean Vehicle Trip Generation	64	63	71	71

Table 4 indicates that the mean trip generation of the proposed PFS with retail is expected to be 127 two-way vehicle trips during the typical weekday AM peak hour (08:00-09:00) and 142 during the PM peak hour (17:00-18:00).

Vehicle Trip Generation - Overall Site

The peak hour vehicle trip generation associated with the overall site is outlined within Table 5.

Table 5: Vehicle Trip Generation - Overall Site

Land Use	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)	
	Arrivals	Departures	Arrivals	Departures
Hotel	6	15	14	8
Pub/Restaurant	-	-	21	12
Drive-Thru (Food)	37	35	40	39
Petrol Filling Station with Retail	64	63	71	71
Total Trip Generation	107	113	146	130

Table 5 demonstrates that the overall development would be expected to generate up to 220 vehicle trips during the typical weekday AM peak hour (08:00-09:00) and 276 during the PM peak hour (17:00-18:00).

Trip Types

It is acknowledged that a significant proportion of the vehicle trips generated by the proposed development will not be 'new' to the local highway network, with a number of other trip types generated by the site, particularly for the proposed Petrol Filling Station, Drive-Thru and Pub/Restaurant elements, with further details outlined below:

Petrol Filling Station with Retail

Given the site's location adjacent to the primary 'A' road network (A4811, Newtown Bypass and A489), it would be expected that the majority of the vehicle trips attracted by the proposed PFS would already be present on the highway network adjacent to the site, currently travelling on these routes for other purposes. By its nature, the proposed PFS would be expected to generate a high proportion of pass-by or diverted trips, as the majority of motorists are likely to visit a PFS as part of a wider existing journey, rather than making a new journey for this sole purpose.

Trips that currently take place on the A4811 and would therefore directly access the site without any detour would be classified as 'pass-by' trips, with trips taking place on Newtown Bypass and the A489 would require a short detour via the A4811 classified as 'diverted' trips.

For the purposes of this assessment, it is assumed that all trips generated by the proposed PFS would be either pass-by or diverted trips that are already on the highway network within the vicinity of the site. It is reasonable to assume that a higher proportion of vehicle trips would be diverted due to the expected traffic volumes on Newtown Bypass/A489 compared to the A4811 and therefore 60% are assumed as diverted trips from Newtown Bypass/A489 and 40% are pass-by trips on the A4811.

Drive-Thru (Food)

Based on similar sites across the UK and accepted research, it is acknowledged that this type of facility typically attracts a significant proportion of pass-by/diverted trips (circa 40%-60%). In order to provide a robust assessment, it has been assumed that circa 20% of trips would be pass-by on the A4811, 40% diverted from Newtown Bypass/A489, with the remaining 40% forming new vehicle trips on the local highway network. However, it is expected that the majority of these trips are likely to be transferred trips from other similar facilities in the local area.

Pub/Restaurant

As per the Drive-Thru Food use, this type of facility would be expected to generate a significant proportion of pass-by/diverted trips. In order to ensure a robust assessment, it is assumed that 40% of trips will be new to the local highway network, with 20% of trips pass-by on the A4811, 40% diverted from Newtown Bypass/A489.

Hotel

For robustness, it is assumed that all vehicle trips generated by the proposed hotel would be new to the highway network, with no pass-by, diverted or linked trip factor applied.

Vehicle Trip Generation (New Trips)

The development impact in terms of new trips on the local highway network is summarised in Table 6 below.

Table 6: Vehicle Trip Generation (New Trips)

Site Element	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)	
	Arrivals	Departures	Arrivals	Departures
Hotel (100% New Trips)	6	15	14	8
Pub/Restaurant (40% New Trips)	-	-	8	5
Drive-Thru (Food) (40% New Trips)	15	14	16	16
Total Vehicle Trip Generation (New Trips)	21	29	38	29

Table 6 demonstrates that, in terms of new vehicle trips on the local highway network, the development would be expected to generate up to 50 vehicle trips during the typical weekday AM peak hour (08:00-09:00) and 67 during the PM peak hour (17:00-18:00).

Baseline Traffic Surveys

If no existing traffic count data is available, it is proposed to undertake 12-hour weekday surveys on two separate weekdays and Saturday surveys (to be agreed with NMWTRA/PCC) on the local highway network at the following locations:

- Llanidloes Road (A4811)/Glandulas Holiday Park priority T-junction;
- Newtown Bypass/A489/A4811 roundabout; and
- Llanidloes Road (A4811)/Newtown College priority controlled roundabout.

Prior to the above being undertaken, as requested by NMWTRA/PCC Highways, it is proposed to undertake 21-day (3-week), 24-hour Automatic Traffic Count (ATC) surveys at the following locations to establish the peak/off peak periods:

- Llanidloes Road (A4811) either side of the access junction;
- A489 (Newtown Bypass);
- A489 (West);
- Llanidloes Road (A4811) adjacent to the Vaynor footway link; and
- At an approximate mid-way point on Llanidloes Road between the site access and the Vaynor footway link.

The ATC will also record speed survey information, along with vehicle classification data.

Additional surveys during a holiday period, for a minimum period of 7 days will also be undertaken at the above locations.

ATC surveys will also be taken at a similar existing development at Station Road in Rhuddlan in order to project the potential traffic generated by the proposed development.

Committed Development

The following committed developments will be considered within the Transport Assessment:

- Residential Development, Land to the south of the A489 (ref: P/2016/0796) - 60 dwellings; and
- Residential Development, Land to the north of the A489 (ref: P/2016/0797) - 30 dwellings.

Trip Distribution & Assignment

The distribution of vehicle trips generated by the site onto the local highway network would be established utilising existing traffic flow patterns on the local highway network and will also consider the assignment of the pass-by and diverted trips expected to be generated by the development.

Assessment Scenarios

The proposals are proposed to be tested against the following weekday AM, weekday PM and Saturday peak hour traffic flow scenarios:

- **2021 Base** - Traffic flows recorded and observed during the 2021 traffic surveys or relevant base year (if existing baseline traffic count data is available);
- **2031 Do Nothing** - '2021 Base' network traffic flows, growthed to 2031 with the addition of traffic associated with the committed developments; and
- **2031 With Development** – '2031 Do Nothing' flows with the addition of traffic associated with the proposed development.
- **Sensitivity Test** – As requested by NMWTRA, all new development trips associated with the proposed development will utilise the Newtown Bypass Roundabout.

Junction Assessment Study Area

It is proposed that the following junction capacity assessments are considered within the Transport Assessment:

- Llanidloes Road (A4811)/Glandulas Holiday Park priority T-junction;
- Newtown Bypass/A489 roundabout; and
- Llanidloes Road (A4811)/Newtown College roundabout.

Proposed Transport Assessment Scope

The scope of the TA for the proposed development is based on the Welsh Government's 'Planning Policy Wales – Edition 11' (WG, 2021) and 'Technical Advice Note 18: Transport' (WAG, 2007) and is suggested as follows for discussion with PCC Highways and the Welsh Government's North and Mid-Wales Trunk Road Agent (NMWTRA):

- **Executive Summary:** A non-technical summary of the report outlining the key outcomes of the assessment.

- **Introduction & Description of Proposals:**
 - Description of the development site, including location and existing access arrangements;
 - Summary of relevant planning and allocation history for the site;
 - Description of the proposed development including site layout, pedestrian/cycle facilities and proposed access arrangements.
- **Site Assessment:**
 - Site assessments to determine existing traffic conditions, such as posted speed limits, road restrictions, highway geometry, on-street parking restrictions and any other relevant features of the local area;
 - Assessment of the sustainable transport infrastructure (pedestrian, cycle and public transport) local to the site, in line with Active Travel and Llwybr Newydd requirements.
- **Road Casualty Appraisal:** Examination of road collision records (5 year study period) and assessment of the road safety impact of the development on the local highway network covering the study area outlined in Figure 2 above.
- **Traffic Impact:**
 - Calculation of the projected trip generation for the proposed development, utilising suitable data from comparable sites within the latest TRICS database. These projections include consideration of the trip generation potential of the site for all modes of travel, not just vehicular traffic;
 - Consideration of any relevant consented developments within the local area and any committed changes to the surrounding highway network; We propose to consider the two approved local residential developments outlined above, however can PCC Highways confirm whether there any other committed developments that the TA needs to consider?
 - Prediction of the distribution of the vehicle trips generated by the site onto the local highway network, utilising existing traffic flow patterns;
 - Junction capacity modelling at the three junctions outlined above, utilising the industry-standard Junctions 9 modelling software; Can PCC Highways/NMWTRA confirm that the junction modelling outlined above is acceptable and whether any additional junctions require assessment?
 - Assessment of the likely traffic impact of the proposed development on the operation of the local highway network. This will involve assessing the traffic generation of the proposals against the typical threshold for assessment (30 two-way traffic flows).
- **Access, Parking & Internal Layout:**
 - Consideration of the internal layout of the site, including swept-path analysis of the internal road layout and site access, and consideration of the servicing arrangements.

- A parking assessment will be undertaken for all modes of transport (i.e. car, PTW, cycle) associated with each land use type, with reference to local parking standards and Active Travel Wales.
- Establish whether a controlled pedestrian crossing would be required on the A4811 at the location of the footway link to the Vaynor estate.
- **Conclusions:** Conclusions summarising the outcomes of the TA, including a commentary on the suitability of the proposals in terms of sustainable travel, road safety and traffic impact.

Appendix I – Indicative Site Layout

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 COMMENCEMENT OF ANY RELATED WORK
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SCALE BAR & NORTH POINT:

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WITCH HOUSE
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ORIGINATING OFFICE:

SITE AREA
 14.07m²
 1.05 ha (0.26 ac)

A	Site area added	Date of	AW -
AW	Description	DATE	BY

BERRYS

STATUS: **PRELIMINARY**
 CLIENT: Melrose Bros Ltd
 PROJECT: Commercial Development
 Newtown
 Powys
 DRAWING: Indicative Site Plan

SCALE @ A0	DRAWN BY:	CHECK BY:	DATE:
1:250	AW		11.03.21
DRAWING NO:	SA38200-BRY-00-PL-A	REVISION:	



Appendix 2 – TRICS Output - Hotel

Projected Traffic Generation - Hotel

Vehicle Trip Rates (per 100sq.m GFA)

Time	IN	OUT	TOTAL
07:00-08:00	0.079	0.289	0.368
08:00-09:00	0.125	0.291	0.416
09:00-10:00	0.187	0.169	0.356
10:00-11:00	0.122	0.118	0.240
11:00-12:00	0.079	0.155	0.234
12:00-13:00	0.062	0.083	0.145
13:00-14:00	0.111	0.109	0.220
14:00-15:00	0.120	0.097	0.217
15:00-16:00	0.136	0.136	0.272
16:00-17:00	0.185	0.109	0.294
17:00-18:00	0.270	0.152	0.422
18:00-19:00	0.254	0.143	0.397
19:00-20:00	0.210	0.157	0.367
20:00-21:00	0.152	0.092	0.244
21:00-22:00	0.120	0.109	0.229

TOTAL	2.212	2.209	4.421
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v7.8.2, all surveys, mean 06-A, Up to 150 bedrooms, England/Wales/Scotland (exc. GL), Edge of Town, exc. Sat/Sun, 2013+ (4)

50 bedrooms

Vehicle Trips

IN	OUT	TOTAL
4	14	18
6	15	21
9	8	17
6	6	12
4	8	12
3	4	7
6	5	11
6	5	11
7	7	14
9	5	14
14	8	22
13	7	20
11	8	19
8	5	13
6	5	11

AM Peak

PM Peak

112	110	222
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Calculation Reference: AUDIT-342901-210813-0814

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD & DRINK
 Category : A - HOTELS

TOTAL VEHICLESSelected regions and areas:

02	SOUTH EAST	
	BU BUCKINGHAMSHIRE	1 days
03	SOUTH WEST	
	WL WILTSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
10	WALES	
	SW SWANSEA	1 days

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

Primary 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 bedrooms
 Actual Range: 57 to 139 (units:)
 Range Selected by User: 4 to 150 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 25/11/19

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:

Monday	1 days
Tuesday	1 days
Wednesday	2 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	4
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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:

Development Zone	1
Out of Town	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:

C1 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®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000 1 days

5,001 to 10,000 3 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

50,001 to 75,000 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:

0.6 to 1.0 1 days

1.1 to 1.5 3 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.

LIST OF SITES relevant to selection parameters

1	BU-06-A-02	HOLIDAY INN	BUCKINGHAMSHIRE
	NEW ROAD		
	AYLESBURY		
	WESTON TURVILLE		
	Edge of Town		
	Out of Town		
	Total Number of bedrooms:	139	
	Survey date: WEDNESDAY	01/10/14	Survey Type: MANUAL
2	SW-06-A-01	IBIS	SWANSEA
	FABIAN WAY		
	SWANSEA		
	PORT TENNANT		
	Edge of Town		
	Development Zone		
	Total Number of bedrooms:	99	
	Survey date: MONDAY	07/10/19	Survey Type: MANUAL
3	WK-06-A-01	HOLIDAY INN EXPRESS	WARWICKSHIRE
	STRATFORD ROAD		
	WARWICK		
	LONGBRIDGE		
	Edge of Town		
	Out of Town		
	Total Number of bedrooms:	138	
	Survey date: WEDNESDAY	25/09/19	Survey Type: MANUAL
4	WL-06-A-03	TRAVELODGE	WILTSHIRE
	LAWRENCE HILL		
	WINCANTON		
	Edge of Town		
	No Sub Category		
	Total Number of bedrooms:	57	
	Survey date: TUESDAY	18/09/18	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.

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/A - HOTELS

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

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. BEDRMS	Trip Rate	No. Days	Ave. BEDRMS	Trip Rate	No. Days	Ave. BEDRMS	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	108	0.079	4	108	0.289	4	108	0.368
08:00 - 09:00	4	108	0.125	4	108	0.291	4	108	0.416
09:00 - 10:00	4	108	0.187	4	108	0.169	4	108	0.356
10:00 - 11:00	4	108	0.122	4	108	0.118	4	108	0.240
11:00 - 12:00	4	108	0.079	4	108	0.155	4	108	0.234
12:00 - 13:00	4	108	0.062	4	108	0.083	4	108	0.145
13:00 - 14:00	4	108	0.111	4	108	0.109	4	108	0.220
14:00 - 15:00	4	108	0.120	4	108	0.097	4	108	0.217
15:00 - 16:00	4	108	0.136	4	108	0.136	4	108	0.272
16:00 - 17:00	4	108	0.185	4	108	0.109	4	108	0.294
17:00 - 18:00	4	108	0.270	4	108	0.152	4	108	0.422
18:00 - 19:00	4	108	0.254	4	108	0.143	4	108	0.397
19:00 - 20:00	4	108	0.210	4	108	0.157	4	108	0.367
20:00 - 21:00	4	108	0.152	4	108	0.092	4	108	0.244
21:00 - 22:00	4	108	0.120	4	108	0.109	4	108	0.229
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.212			2.209			4.421

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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The Company accepts no responsibility for loss which may arise from reliance on data contained in the TRICS Database. [No warranty of any kind, express or implied, is made as to the data contained in the TRICS Database.]

Parameter summary

Trip rate parameter range selected:	57 - 139 (units:)
Survey date range:	01/01/13 - 25/11/19
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 shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Appendix 3 – TRICS Output – Public House

Projected Traffic Generation - Public House

Vehicle Trip Rates (per 100sq.m GFA)

Time	IN	OUT	TOTAL
10:00-11:00	0.718	0.681	1.399
11:00-12:00	1.966	0.870	2.836
12:00-13:00	4.915	1.664	6.579
13:00-14:00	3.138	3.705	6.843
14:00-15:00	1.815	3.667	5.482
15:00-16:00	1.853	1.928	3.781
16:00-17:00	3.554	1.664	5.218
17:00-18:00	5.369	3.100	8.469
18:00-19:00	5.142	3.894	9.036
19:00-20:00	4.272	4.839	9.111
20:00-21:00	2.306	4.272	6.578
21:00-22:00	1.966	3.176	5.142
22:00-23:00	1.021	3.251	4.272
23:00-24:00	0.247	1.185	1.432

TOTAL	38.282	37.896	76.178
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v7.8.2, all surveys, mean, 06-C, Up to 700sqm, England/Wales/Scotland (exc. GL), Edge of Town, exc. Sat/Sun, 2013+ (6)

400 sq.m GFA

Vehicle Trips

IN	OUT	TOTAL
3	3	6
8	3	11
20	7	27
13	15	28
7	15	22
7	8	15
14	7	21
21	12	33
21	16	37
17	19	36
9	17	26
8	13	21
4	13	17
1	5	6

PM Peak

153	153	306
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Calculation Reference: AUDIT-342901-210813-0853

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 06 - HOTEL, FOOD & DRINK
 Category : C - PUB/RESTAURANT

TOTAL VEHICLESSelected regions and areas:

02	SOUTH EAST	
	EX ESSEX	1 days
05	EAST MIDLANDS	
	NR NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days
09	NORTH	
	DH DURHAM	1 days
	TW TYNE & WEAR	1 days

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

Primary 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: 200 to 620 (units: sqm)
 Range Selected by User: 112 to 700 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 11/06/19

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
 Friday 4 days

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

Selected survey types:

Manual count 6 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 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:

Commercial Zone 1
 Residential Zone 2
 Retail Zone 1
 Out of Town 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:

Sui Generis 6 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 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	1 days
10,001 to 15,000	2 days
15,001 to 20,000	1 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
100,001 to 125,000	1 days
125,001 to 250,000	1 days
250,001 to 500,000	3 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	3 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 6 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 6 days

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

LIST OF SITES relevant to selection parameters

1	DH-06-C-02	PUB/RESTAURANT	DURHAM
	STADIUM WAY		
	BISHOP AUCKLAND		
	TINDALE		
	Edge of Town		
	Retail Zone		
	Total Gross floor area:	450 sqm	
	Survey date: FRIDAY	31/03/17	Survey Type: MANUAL
2	EX-06-C-02	HARVESTER	ESSEX
	LONDON ROAD		
	COLCHESTER		
	STANWAY		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	450 sqm	
	Survey date: FRIDAY	08/11/13	Survey Type: MANUAL
3	GM-06-C-04	HUNGRY HORSE	GREATER MANCHESTER
	HELSMAN LANE		
	ROCHDALE		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	525 sqm	
	Survey date: TUESDAY	20/10/15	Survey Type: MANUAL
4	NR-06-C-01	PUB/RESTAURANT	NORTHAMPTONSHIRE
	BEDFORD ROAD		
	NORTHAMPTON		
	BRACKMILLS		
	Edge of Town		
	Commercial Zone		
	Total Gross floor area:	620 sqm	
	Survey date: FRIDAY	11/11/16	Survey Type: MANUAL
5	TW-06-C-01	PUB/RESTAURANT	TYNE & WEAR
	WHICKHAM HIGHWAY		
	GATESHEAD		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	400 sqm	
	Survey date: FRIDAY	04/10/13	Survey Type: MANUAL
6	WM-06-C-02	PUB/RESTAURANT	WEST MIDLANDS
	PENNWOOD LANE		
	WOLVERHAMPTON		
	PENN COMMON		
	Edge of Town		
	Out of Town		
	Total Gross floor area:	200 sqm	
	Survey date: TUESDAY	22/11/16	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.

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/C - PUB/RESTAURANT

TOTAL 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									
07:00 - 08:00									
08:00 - 09:00									
09:00 - 10:00									
10:00 - 11:00	6	441	0.718	6	441	0.681	6	441	1.399
11:00 - 12:00	6	441	1.966	6	441	0.870	6	441	2.836
12:00 - 13:00	6	441	4.915	6	441	1.664	6	441	6.579
13:00 - 14:00	6	441	3.138	6	441	3.705	6	441	6.843
14:00 - 15:00	6	441	1.815	6	441	3.667	6	441	5.482
15:00 - 16:00	6	441	1.853	6	441	1.928	6	441	3.781
16:00 - 17:00	6	441	3.554	6	441	1.664	6	441	5.218
17:00 - 18:00	6	441	5.369	6	441	3.100	6	441	8.469
18:00 - 19:00	6	441	5.142	6	441	3.894	6	441	9.036
19:00 - 20:00	6	441	4.272	6	441	4.839	6	441	9.111
20:00 - 21:00	6	441	2.306	6	441	4.272	6	441	6.578
21:00 - 22:00	6	441	1.966	6	441	3.176	6	441	5.142
22:00 - 23:00	6	441	1.021	6	441	3.251	6	441	4.272
23:00 - 24:00	5	405	0.247	5	405	1.185	5	405	1.432
Total Rates:			38.282			37.896			76.178

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:	200 - 620 (units: sqm)
Survey date range:	01/01/13 - 11/06/19
Number of weekdays (Monday-Friday):	6
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.

Appendix 4 – TRICS Output – Drive-Thru

Projected Traffic Generation - Drive Thru

Vehicle Trip Rates (per 100sq.m GFA)

Time	IN	OUT	TOTAL
06:00-07:00	7.654	4.938	12.592
07:00-08:00	14.468	12.624	27.092
08:00-09:00	18.582	17.589	36.171
09:00-10:00	20.142	19.574	39.716
10:00-11:00	12.041	11.531	23.572
11:00-12:00	16.531	14.082	30.613
12:00-13:00	26.429	25.816	52.245
13:00-14:00	25.510	27.245	52.755
14:00-15:00	16.429	18.061	34.490
15:00-16:00	17.143	16.429	33.572
16:00-17:00	17.857	18.673	36.530
17:00-18:00	20.102	19.592	39.694
18:00-19:00	23.571	22.143	45.714
19:00-20:00	17.653	21.327	38.980
20:00-21:00	14.898	15.306	30.204
21:00-22:00	12.857	12.143	25.000
22:00-23:00	7.755	10.102	17.857
23:00-24:00	7.407	7.407	14.814

TOTAL	297.029	294.582	591.611
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v7.8.2, all surveys, mean 06-D, All sizes, England/Wales/Scotland (exc. GL), 'Edge of Town', exc. Sat/Sun, 2013+ (3)

200 sq.m GFA

Vehicle Trips

IN	OUT	TOTAL
15	10	25
29	25	54
37	35	72
40	39	79
24	23	47
33	28	61
53	52	105
51	54	105
33	36	69
34	33	67
36	37	73
40	39	79
47	44	91
35	43	78
30	31	61
26	24	50
16	20	36
15	15	30

AM Peak

PM Peak

594	588	1182
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Calculation Reference: AUDIT-342901-210813-0850

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

TOTAL VEHICLESSelected regions and areas:

10 WALES	
VG VALE OF GLAMORGAN	1 days
11 SCOTLAND	
AD ABERDEEN CITY	1 days
FI FIFE	1 days

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

Primary 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: 275 to 405 (units: sqm)
 Range Selected by User: 182 to 800 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 02/10/20

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
Thursday	1 days
Friday	1 days

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

Selected survey types:

Manual count	3 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
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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
Development 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:

Not Known	3 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 500m Range:

All Surveys Included

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
------------------	--------

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

Population within 5 miles:

100,001 to 125,000	1 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	1 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	3 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	3 days
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This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	AD-06-D-02	BURGER KING	ABERDEEN CITY
	WELLINGTON ROAD		
	ABERDEEN		
	ALTENS		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	300 sqm	
	Survey date: FRIDAY	22/11/19	Survey Type: MANUAL
2	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
3	VG-06-D-01	MCDONALD'S	VALE OF GLAMORGAN
	CARDIFF ROAD		
	BARRY		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	405 sqm	
	Survey date: THURSDAY	24/09/20	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.

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/D - FAST FOOD - DRIVE THROUGH

TOTAL 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	1	405	7.654	1	405	4.938	1	405	12.592
07:00 - 08:00	2	353	14.468	2	353	12.624	2	353	27.092
08:00 - 09:00	2	353	18.582	2	353	17.589	2	353	36.171
09:00 - 10:00	2	353	20.142	2	353	19.574	2	353	39.716
10:00 - 11:00	3	327	12.041	3	327	11.531	3	327	23.572
11:00 - 12:00	3	327	16.531	3	327	14.082	3	327	30.613
12:00 - 13:00	3	327	26.429	3	327	25.816	3	327	52.245
13:00 - 14:00	3	327	25.510	3	327	27.245	3	327	52.755
14:00 - 15:00	3	327	16.429	3	327	18.061	3	327	34.490
15:00 - 16:00	3	327	17.143	3	327	16.429	3	327	33.572
16:00 - 17:00	3	327	17.857	3	327	18.673	3	327	36.530
17:00 - 18:00	3	327	20.102	3	327	19.592	3	327	39.694
18:00 - 19:00	3	327	23.571	3	327	22.143	3	327	45.714
19:00 - 20:00	3	327	17.653	3	327	21.327	3	327	38.980
20:00 - 21:00	3	327	14.898	3	327	15.306	3	327	30.204
21:00 - 22:00	3	327	12.857	3	327	12.143	3	327	25.000
22:00 - 23:00	3	327	7.755	3	327	10.102	3	327	17.857
23:00 - 24:00	1	405	7.407	1	405	7.407	1	405	14.814
Total Rates:			297.029			294.582			591.611

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:	275 - 405 (units: sqm)
Survey date range:	01/01/13 - 02/10/20
Number of weekdays (Monday-Friday):	3
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.

Appendix 5 – TRICS Output – PFS

TRICS 7.8.2

Trip Rate Parameter: Filling bays

13 - PETROL FILLING STATIONS/B - PFS - WITH RETAIL

AM Peak: 08:00-09:00

Site Ref	Description	Town/City	Location Type	BAYS	Day	Date
CA-13-B-02	MURCO & COSTCUTTER	PETERBOROUGH	Neighbourhood Centre (PP56 Local Centre)	8	Tuesday	16/12/2014
DB-13-B-02	TEXACO & CO-OP	RHUDDLAN	Neighbourhood Centre (PP56 Local Centre)	8	Tuesday	12/11/2013
DC-13-B-01	ESSO & TESCO EXPRESS	CHRISTCHURCH	Suburban Area (PP56 Out of Centre)	6	Monday	24/03/2014
DC-13-B-02	M&S & BP	CHRISTCHURCH	Suburban Area (PP56 Out of Centre)	8	Friday	21/03/2014
DS-13-B-01	ESSO & TESCO EXPRESS	DERBY	Suburban Area (PP56 Out of Centre)	8	Friday	26/06/2015
DV-13-B-01	BP & COSTCUTTER	PAIGNTON	Edge of Town	8	Tuesday	18/07/2017
EB-13-B-02	BP CONNECT & M&S	QUEENSFERRY	Edge of Town	15	Thursday	26/06/2014
FI-13-B-01	BP & M&S	DALGETY BAY	Edge of Town	13	Wednesday	23/03/2016
GM-13-B-01	BP & SPAR	ROCHDALE	Edge of Town	8	Wednesday	21/10/2015
LC-13-B-03	TEXACO & MORRISONS DAILY	PRESTON	Suburban Area (PP56 Out of Centre)	8	Tuesday	06/11/2018
LE-13-B-02	TESCO EXPRESS & ESSO	LEICESTER	Suburban Area (PP56 Out of Centre)	8	Tuesday	28/10/2014
LN-13-B-01	GULF & CO-OP	LINCOLN	Edge of Town	8	Wednesday	04/10/2017
MM-13-B-01	BP & M&S	NEWPORT	Neighbourhood Centre (PP56 Local Centre)	8	Friday	27/09/2019
MS-13-B-01	ESSO & SPAR	LIVERPOOL	Suburban Area (PP56 Out of Centre)	6	Tuesday	18/11/2014
NR-13-B-01	TEXACO & LONDIS	RUSHDEN	Edge of Town Centre	8	Friday	23/10/2020
NT-13-B-03	SAINSBURY'S PFS	NOTTINGHAM	Suburban Area (PP56 Out of Centre)	16	Friday	25/11/2016
NY-13-B-02	BP & SPAR	RIPON	Suburban Area (PP56 Out of Centre)	6	Monday	23/09/2013
NY-13-B-03	ESSO & CO-OP	KNARESBOROUGH	Suburban Area (PP56 Out of Centre)	8	Friday	30/09/2016
NY-13-B-04	HARVEST ENERGY & NISA	RICHMOND	Edge of Town Centre	8	Wednesday	13/03/2019
SF-13-B-02	BP CONNECT & M&S	BURY ST EDMUNDS	Edge of Town	8	Friday	19/07/2013
ST-13-B-01	BP & HURSTS	STAFFORD	Edge of Town Centre	10	Wednesday	22/11/2017
TW-13-B-05	SHELL & SPAR	SUNDERLAND	Suburban Area (PP56 Out of Centre)	6	Friday	24/05/2019
WM-13-B-05	TEXACO & CO-OPERATIVE	BIRMINGHAM	Suburban Area (PP56 Out of Centre)	8	Tuesday	22/10/2013
WO-13-B-02	MORRISON'S PFS	REDDITCH	Suburban Area (PP56 Out of Centre)	12	Monday	05/10/2020
MEAN						

PM Peak: 17:00-18:00

Site Ref	Description	Town/City	Location Type	BAYS	Day	Date
CA-13-B-02	MURCO & COSTCUTTER	PETERBOROUGH	Neighbourhood Centre (PP56 Local Centre)	8	Tuesday	16/12/2014
DB-13-B-02	TEXACO & CO-OP	RHUDDLAN	Neighbourhood Centre (PP56 Local Centre)	8	Tuesday	12/11/2013
DC-13-B-01	ESSO & TESCO EXPRESS	CHRISTCHURCH	Suburban Area (PP56 Out of Centre)	6	Monday	24/03/2014
DC-13-B-02	M&S & BP	CHRISTCHURCH	Suburban Area (PP56 Out of Centre)	8	Friday	21/03/2014
DS-13-B-01	ESSO & TESCO EXPRESS	DERBY	Suburban Area (PP56 Out of Centre)	8	Friday	26/06/2015
DV-13-B-01	BP & COSTCUTTER	PAIGNTON	Edge of Town	8	Tuesday	18/07/2017
EB-13-B-02	BP CONNECT & M&S	QUEENSFERRY	Edge of Town	15	Thursday	26/06/2014
FI-13-B-01	BP & M&S	DALGETY BAY	Edge of Town	13	Wednesday	23/03/2016
GM-13-B-01	BP & SPAR	ROCHDALE	Edge of Town	8	Wednesday	21/10/2015
LC-13-B-03	TEXACO & MORRISONS DAILY	PRESTON	Suburban Area (PP56 Out of Centre)	8	Tuesday	06/11/2018
LE-13-B-02	TESCO EXPRESS & ESSO	LEICESTER	Suburban Area (PP56 Out of Centre)	8	Tuesday	28/10/2014
LN-13-B-01	GULF & CO-OP	LINCOLN	Edge of Town	8	Wednesday	04/10/2017
MM-13-B-01	BP & M&S	NEWPORT	Neighbourhood Centre (PP56 Local Centre)	8	Friday	27/09/2019
MS-13-B-01	ESSO & SPAR	LIVERPOOL	Suburban Area (PP56 Out of Centre)	6	Tuesday	18/11/2014
NR-13-B-01	TEXACO & LONDIS	RUSHDEN	Edge of Town Centre	8	Friday	23/10/2020
NT-13-B-03	SAINSBURY'S PFS	NOTTINGHAM	Suburban Area (PP56 Out of Centre)	16	Friday	25/11/2016
NY-13-B-02	BP & SPAR	RIPON	Suburban Area (PP56 Out of Centre)	6	Monday	23/09/2013
NY-13-B-03	ESSO & CO-OP	KNARESBOROUGH	Suburban Area (PP56 Out of Centre)	8	Friday	30/09/2016
NY-13-B-04	HARVEST ENERGY & NISA	RICHMOND	Edge of Town Centre	8	Wednesday	13/03/2019
SF-13-B-02	BP CONNECT & M&S	BURY ST EDMUNDS	Edge of Town	8	Friday	19/07/2013
ST-13-B-01	BP & HURSTS	STAFFORD	Edge of Town Centre	10	Wednesday	22/11/2017
TW-13-B-05	SHELL & SPAR	SUNDERLAND	Suburban Area (PP56 Out of Centre)	6	Friday	24/05/2019
WM-13-B-05	TEXACO & CO-OPERATIVE	BIRMINGHAM	Suburban Area (PP56 Out of Centre)	8	Tuesday	22/10/2013
WO-13-B-02	MORRISON'S PFS	REDDITCH	Suburban Area (PP56 Out of Centre)	12	Monday	05/10/2020
MEAN						

Total Daily: 07:00-19:00

Site Ref	Description	Town/City	Location Type	BAYS	Day	Date
CA-13-B-02	MURCO & COSTCUTTER	PETERBOROUGH	Neighbourhood Centre (PP56 Local Centre)	8	Tuesday	16/12/2014
DB-13-B-02	TEXACO & CO-OP	RHUDDLAN	Neighbourhood Centre (PP56 Local Centre)	8	Tuesday	12/11/2013
DC-13-B-01	ESSO & TESCO EXPRESS	CHRISTCHURCH	Suburban Area (PP56 Out of Centre)	6	Monday	24/03/2014
DC-13-B-02	M&S & BP	CHRISTCHURCH	Suburban Area (PP56 Out of Centre)	8	Friday	21/03/2014
DS-13-B-01	ESSO & TESCO EXPRESS	DERBY	Suburban Area (PP56 Out of Centre)	8	Friday	26/06/2015
DV-13-B-01	BP & COSTCUTTER	PAIGNTON	Edge of Town	8	Tuesday	18/07/2017
EB-13-B-02	BP CONNECT & M&S	QUEENSFERRY	Edge of Town	15	Thursday	26/06/2014
FI-13-B-01	BP & M&S	DALGETY BAY	Edge of Town	13	Wednesday	23/03/2016
GM-13-B-01	BP & SPAR	ROCHDALE	Edge of Town	8	Wednesday	21/10/2015
LC-13-B-03	TEXACO & MORRISONS DAILY	PRESTON	Suburban Area (PP56 Out of Centre)	8	Tuesday	06/11/2018
LE-13-B-02	TESCO EXPRESS & ESSO	LEICESTER	Suburban Area (PP56 Out of Centre)	8	Tuesday	28/10/2014
LN-13-B-01	GULF & CO-OP	LINCOLN	Edge of Town	8	Wednesday	04/10/2017
MM-13-B-01	BP & M&S	NEWPORT	Neighbourhood Centre (PP56 Local Centre)	8	Friday	27/09/2019
MS-13-B-01	ESSO & SPAR	LIVERPOOL	Suburban Area (PP56 Out of Centre)	6	Tuesday	18/11/2014
NR-13-B-01	TEXACO & LONDIS	RUSHDEN	Edge of Town Centre	8	Friday	23/10/2020
NT-13-B-03	SAINSBURY'S PFS	NOTTINGHAM	Suburban Area (PP56 Out of Centre)	16	Friday	25/11/2016
NY-13-B-02	BP & SPAR	RIPON	Suburban Area (PP56 Out of Centre)	6	Monday	23/09/2013
NY-13-B-03	ESSO & CO-OP	KNARESBOROUGH	Suburban Area (PP56 Out of Centre)	8	Friday	30/09/2016
NY-13-B-04	HARVEST ENERGY & NISA	RICHMOND	Edge of Town Centre	8	Wednesday	13/03/2019
SF-13-B-02	BP CONNECT & M&S	BURY ST EDMUNDS	Edge of Town	8	Friday	19/07/2013
ST-13-B-01	BP & HURSTS	STAFFORD	Edge of Town Centre	10	Wednesday	22/11/2017
TW-13-B-05	SHELL & SPAR	SUNDERLAND	Suburban Area (PP56 Out of Centre)	6	Friday	24/05/2019
WM-13-B-05	TEXACO & CO-OPERATIVE	BIRMINGHAM	Suburban Area (PP56 Out of Centre)	8	Tuesday	22/10/2013
WO-13-B-02	MORRISON'S PFS	REDDITCH	Suburban Area (PP56 Out of Centre)	12	Monday	05/10/2020
MEAN						

Vehicle Trip Rates

Arrivals	Departures	Totals
2.875	2.750	5.625
8.250	8.000	16.250
11.000	12.000	23.000
11.500	10.500	22.000
13.625	14.000	27.625
8.250	7.625	15.875
7.533	7.000	14.533
6.923	7.385	14.308
8.750	8.000	16.750
7.125	6.875	14.000
11.125	11.125	22.250
9.375	9.125	18.500
10.750	11.500	22.250
8.000	7.667	15.667
4.125	4.250	8.375
1.813	1.625	3.437
8.833	7.500	16.333
9.500	9.000	18.500
6.625	6.125	12.750
6.750	7.000	13.750
1.700	1.400	3.100
8.500	8.000	16.500
11.500	11.500	23.000
2.833	2.667	5.500
7.803	7.609	15.412

Vehicle Trip Generation

Arrivals	Departures	Totals
23	22	45
66	64	130
66	72	138
92	84	176
109	112	221
66	61	127
113	105	218
90	96	186
70	64	134
57	55	112
89	89	178
75	73	148
86	92	178
48	46	94
33	34	67
29	26	55
53	45	98
76	72	148
53	49	102
54	56	110
17	14	31
51	48	99
92	92	184
34	32	66
64	63	127

Vehicle Trip Rates

Arrivals	Departures	Totals
5.000	5.125	10.125
12.375	11.875	24.250
15.000	14.333	29.333
12.000	11.500	23.500
16.125	16.250	32.375
6.375	6.250	12.625
7.200	6.733	13.933
9.538	9.462	19.000
11.875	11.875	23.750
7.375	7.375	14.750
10.875	9.875	20.750
9.875	9.625	19.500
10.375	10.250	20.625
10.333	10.667	21.000
6.375	6.375	12.750
2.125	2.188	4.313
5.833	6.000	11.833
8.500	8.625	17.125
5.375	5.875	11.250
8.875	9.500	18.375
4.200	4.200	8.400
7.333	7.500	14.833
10.000	10.000	20.000
3.833	4.167	8.000
8.615	8.568	17.183

Vehicle Trip Generation

Arrivals	Departures	Totals
40	41	81
99	95	194
90	86	176
96	92	188
129	130	259
51	50	101
108	101	209
124	123	247
95	95	190
59	59	118
87	79	166
79	77	156
83	82	165
62	64	126
51	51	102
34	35	69
35	36	71
68	69	137
43	47	90
71	76	147
42	42	84
44	45	89
80	80	160
46	50	96
71	71	143

Vehicle Trip Rates

Arrivals	Departures	Totals
46.875	47.000	93.875
95.000	94.000	189.000
172.500	172.167	344.667
132.000	131.875	263.875
173.500	173.875	347.375
75.125	74.625	149.750
69.400	69.400	138.800
82.615	82.615	165.230
94.750	94.875	189.625
101.625	101.750	203.375
137.625	136.750	274.375
114.250	113.750	228.000
131.500	132.000	263.500
98.167	97.833	196.000
68.125	67.625	135.750
25.500	25.500	51.000
73.333	72.000	145.333
108.375	108.625	217.000
75.500	75.125	150.625
87.250	86.875	174.125
38.000	37.600	75.600
88.500	88.833	177.333
105.000	105.000	210.000
49.333	49.583	98.916
93.494	93.303	186.797

Vehicle Trip Generation

Arrivals	Departures	Totals
375	376	751
760	752	1512
1035	1033	2068
1056	1055	2111
1388	1391	2779
601	597	1198
1041	1041	2082
1074	1074	2148
758	759	1517
813	814	1627
1101	1094	2195
914	910	1824
1052	1056	2108
589	587	1176
545	541	1086
408	408	816
440	432	872
867	869	1736
604	601	1205
698	695	1393
380	376	756
531	533	1064
840	840	1680
592	595	1187
769	768	1537

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 13 - PETROL FILLING STATIONS

Category : B - PFS - WITH RETAIL

TOTAL VEHICLESSelected regions and areas:

03	SOUTH WEST	
	DC DORSET	2 days
	DV DEVON	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LE LEICESTERSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	3 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
	MS MERSEYSIDE	1 days
09	NORTH	
	TW TYNE & WEAR	1 days
10	WALES	
	DB DENBIGHSHIRE	1 days
	MM MONMOUTHSHIRE	1 days
11	SCOTLAND	
	EB CITY OF EDINBURGH	1 days
	FI FIFE	1 days

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

Primary 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: Filling bays
 Actual Range: 6 to 16 (units:)
 Range Selected by User: 4 to 16 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 23/10/20

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	7 days
Wednesday	5 days
Thursday	1 days
Friday	8 days

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

Selected survey types:

Manual count	24 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	3
Suburban Area (PPS6 Out of Centre)	12
Edge of Town	6
Neighbourhood Centre (PPS6 Local Centre)	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:

Industrial Zone	1
Development Zone	1
Residential Zone	16
Built-Up Zone	1
High Street	1
No Sub Category	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:

Sui Generis 24 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 500m Range:

All Surveys Included

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

1,001 to 5,000	3 days
5,001 to 10,000	3 days
10,001 to 15,000	6 days
15,001 to 20,000	3 days
20,001 to 25,000	2 days
25,001 to 50,000	6 days
50,001 to 100,000	1 days

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

Population within 5 miles:

25,001 to 50,000	2 days
50,001 to 75,000	4 days
75,001 to 100,000	3 days
100,001 to 125,000	2 days
125,001 to 250,000	7 days
250,001 to 500,000	5 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:

0.5 or Less	1 days
0.6 to 1.0	8 days
1.1 to 1.5	13 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.

Travel Plan:

No	24 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	24 days
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This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	CA-13-B-02 LINCOLN ROAD PETERBOROUGH	MURCO & COSTCUTTER	CAMBRIDGESHIRE
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 16/12/14		Survey Type: MANUAL
2	DB-13-B-02 RHYL ROAD RHUDDLAN	TEXACO & CO-OP	DENBIGHSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 12/11/13		Survey Type: MANUAL
3	DC-13-B-01 271 BARRACK ROAD CHRISTCHURCH	ESSO & TESCO EXPRESS	DORSET
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: MONDAY 24/03/14		Survey Type: MANUAL
4	DC-13-B-02 71-75 SOMERFORD ROAD CHRISTCHURCH	M&S & BP	DORSET
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Filling bays: 8 Survey date: FRIDAY 21/03/14		Survey Type: MANUAL
5	DS-13-B-01 NOTTINGHAM ROAD DERBY CHADDESSEN	ESSO & TESCO EXPRESS	DERBYSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 8 Survey date: FRIDAY 26/06/15		Survey Type: MANUAL
6	DV-13-B-01 TORBAY ROAD PAIGNTON	BP & COSTCUTTER	DEVON
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: TUESDAY 18/07/17		Survey Type: MANUAL
7	EB-13-B-02 BULLYEON ROAD QUEENSFERRY	BP CONNECT & M&S SIMPLY FOOD	CITY OF EDINBURGH
	Edge of Town Residential Zone Total Filling bays: 15 Survey date: THURSDAY 26/06/14		Survey Type: MANUAL
8	FI-13-B-01 HARBOUR DRIVE DALGETY BAY	BP & M&S SIMPLY FOOD	FIFE
	Edge of Town No Sub Category Total Filling bays: 13 Survey date: WEDNESDAY 23/03/16		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	GM-13-B-01	BP & SPAR	GREATER MANCHESTER
	NEW STREET		
	ROCHDALE		
	MILNROW		
	Edge of Town		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: WEDNESDAY	21/10/15	Survey Type: MANUAL
10	LC-13-B-03	TEXACO & MORRISONS DAILY	LANCASHIRE
	GARSTANG ROAD		
	PRESTON		
	FULWOOD		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: TUESDAY	06/11/18	Survey Type: MANUAL
11	LE-13-B-02	TESCO EXPRESS & ESSO	LEICESTERSHIRE
	FOSSE ROAD NORTH		
	LEICESTER		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: TUESDAY	28/10/14	Survey Type: MANUAL
12	LN-13-B-01	GULF & CO-OP	LINCOLNSHIRE
	CARHOLME ROAD		
	LINCOLN		
	Edge of Town		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: WEDNESDAY	04/10/17	Survey Type: MANUAL
13	MM-13-B-01	BP & M&S SIMPLY FOOD	MONMOUTHSHIRE
	MALPAS ROAD		
	NEWPORT		
	MALPAS		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: FRIDAY	27/09/19	Survey Type: MANUAL
14	MS-13-B-01	ESSO & SPAR	MERSEYSIDE
	ULLET ROAD		
	LIVERPOOL		
	SEFTON PARK		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	6	
	Survey date: TUESDAY	18/11/14	Survey Type: MANUAL
15	NR-13-B-01	TEXACO & LONDIS	NORTHAMPTONSHIRE
	WELLINGBOROUGH ROAD		
	RUSHDEN		
	Edge of Town Centre		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: FRIDAY	23/10/20	Survey Type: MANUAL
16	NT-13-B-03	SAINSBURY'S PFS	NOTTINGHAMSHIRE
	CASTLE BRIDGE ROAD		
	NOTTINGHAM		
	Suburban Area (PPS6 Out of Centre)		
	Development Zone		
	Total Filling bays:	16	
	Survey date: FRIDAY	25/11/16	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

17	NY-13-B-02 NORTH STREET RIPON	BP & SPAR		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: MONDAY 23/09/13			Survey Type: MANUAL
18	NY-13-B-03 WETHERBY ROAD NORTH KNARESBOROUGH	ESSO & CO-OP		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Filling bays: 8 Survey date: FRIDAY 30/09/16			Survey Type: MANUAL
19	NY-13-B-04 VICTORIA ROAD RICHMOND	HARVEST ENERGY & NISA		NORTH YORKSHIRE
	Edge of Town Centre No Sub Category Total Filling bays: 8 Survey date: WEDNESDAY 13/03/19			Survey Type: MANUAL
20	SF-13-B-02 ROUGHAM ROAD BURY ST EDMUNDS	BP CONNECT & M&S		SUFFOLK
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: FRIDAY 19/07/13			Survey Type: MANUAL
21	ST-13-B-01 FOREGATE STREET STAFFORD	BP & HURSTS		STAFFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Filling bays: 10 Survey date: WEDNESDAY 22/11/17			Survey Type: MANUAL
22	TW-13-B-05 THE BROADWAY SUNDERLAND	SHELL & SPAR		TYNE & WEAR
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: FRIDAY 24/05/19			Survey Type: MANUAL
23	WM-13-B-05 HIGH STREET BIRMINGHAM HARBORNE	TEXACO & CO-OPERATIVE		WEST MIDLANDS
	Suburban Area (PPS6 Out of Centre) High Street Total Filling bays: 8 Survey date: TUESDAY 22/10/13			Survey Type: MANUAL
24	WO-13-B-02 CLEARWELL ROAD REDDITCH WINYATES WEST	MORRISONS PFS		WORCESTERSHIRE
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Filling bays: 12 Survey date: MONDAY 05/10/20			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.

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

RANK ORDER for Land Use 13 - PETROL FILLING STATIONS/B - PFS - WITH RETAIL

TOTAL VEHICLESRanking Type: **TOTALS** Time Range: 08:00-09:0015th Percentile = No. **20** NR-13-B-01 Tot: 8.37585th Percentile = No. **5** MM-13-B-01 Tot: 22.250Median Values

Arrivals: 8.250

Departures: 7.813

Totals: 16.063

Mean Values

Arrivals: 7.802

Departures: 7.609

Totals: 15.412

Rank	Site-Ref	Description	Town/City	Area	BAYS	Day	Date	Trip Rate (Sorted by Totals)		
								Arrivals	Departures	Totals
1	DS-13-B-01	ESSO & TESCO E	DERBY	DERBYSHIRE	8	Fri	26/06/15	13.625	14.000	27.625
2	WM-13-B-05	TEXACO & CO-OP	BIRMINGHAM	WEST MIDLANDS	8	Tue	22/10/13	11.500	11.500	23.000
3	DC-13-B-01	ESSO & TESCO E	CHRISTCHURCH	DORSET	6	Mon	24/03/14	11.000	12.000	23.000
4	LE-13-B-02	TESCO EXPRESS	LEICESTER	LEICESTERSHIRE	8	Tue	28/10/14	11.125	11.125	22.250
5	MM-13-B-01	BP & M&S SIMPL	NEWPORT	MONMOUTHSHIRE	8	Fri	27/09/19	10.750	11.500	22.250
6	DC-13-B-02	M&S & BP	CHRISTCHURCH	DORSET	8	Fri	21/03/14	11.500	10.500	22.000
7	NY-13-B-03	ESSO & CO-OP	KNARESBOROUGH	NORTH YORKSHIRE	8	Fri	30/09/16	9.500	9.000	18.500
8	LN-13-B-01	GULF & CO-OP	LINCOLN	LINCOLNSHIRE	8	Wed	04/10/17	9.375	9.125	18.500
9	GM-13-B-01	BP & SPAR	ROCHDALE	GREATER MANCHESTER	8	Wed	21/10/15	8.750	8.000	16.750
10	TW-13-B-05	SHELL & SPAR	SUNDERLAND	TYNE & WEAR	6	Fri	24/05/19	8.500	8.000	16.500
11	NY-13-B-02	BP & SPAR	RIPON	NORTH YORKSHIRE	6	Mon	23/09/13	8.833	7.500	16.333
12	DB-13-B-02	TEXACO & CO-OP	RHUDDLAN	DENBIGHSHIRE	8	Tue	12/11/13	8.250	8.000	16.250
13	DV-13-B-01	BP & COSTCUTTE	PAIGNTON	DEVON	8	Tue	18/07/17	8.250	7.625	15.875
14	MS-13-B-01	ESSO & SPAR	LIVERPOOL	MERSEYSIDE	6	Tue	18/11/14	8.000	7.667	15.667
15	EB-13-B-02	BP CONNECT & M	QUEENSFERRY	CITY OF EDINBURGH	15	Thu	26/06/14	7.533	7.000	14.533
16	FI-13-B-01	BP & M&S SIMPL	DALGETY BAY	FIFE	13	Wed	23/03/16	6.923	7.385	14.308
17	LC-13-B-03	TEXACO & MORRI	PRESTON	LANCASHIRE	8	Tue	06/11/18	7.125	6.875	14.000
18	SF-13-B-02	BP CONNECT & M	BURY ST EDMUNDS	SUFFOLK	8	Fri	19/07/13	6.750	7.000	13.750
19	NY-13-B-04	HARVEST ENERGY	RICHMOND	NORTH YORKSHIRE	8	Wed	13/03/19	6.625	6.125	12.750
20	NR-13-B-01	TEXACO & LONDI	RUSHDEN	NORTHAMPTONSHIRE	8	Fri	23/10/20	4.125	4.250	8.375
21	CA-13-B-02	MURCO & COSTCU	PETERBOROUGH	CAMBRIDGESHIRE	8	Tue	16/12/14	2.875	2.750	5.625
22	WO-13-B-02	MORRISONS PFS	REDDITCH	WORCESTERSHIRE	12	Mon	05/10/20	2.833	2.667	5.500
23	NT-13-B-03	SAINSBURY'S PF	NOTTINGHAM	NOTTINGHAMSHIRE	16	Fri	25/11/16	1.813	1.625	3.437
24	ST-13-B-01	BP & HURSTS	STAFFORD	STAFFORDSHIRE	10	Wed	22/11/17	1.700	1.400	3.100

This section displays actual (not average) trip rates for each of the survey days in the selected set, and ranks them in order of relative trip rate intensity, for a given time period (or peak period irrespective of time) selected by the user. The count type and direction are both displayed just above the table, along with the rows within the table representing the 85th and 15th percentile trip rate figures (highlighted in bold within the table itself).

The table itself displays details of each individual survey, alongside arrivals, departures and totals trip rates, sorted by whichever of the three directional options has been chosen by the user. As with the preceeding trip rate calculation results table, the trip rates shown are per the calculation factor (e.g. per 100m2 GFA, per employee, per hectare, etc). Note that if the peak period option has been selected (as opposed to a specific chosen time period), the peak period for each individual survey day in the table is also displayed.

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 13 - PETROL FILLING STATIONS

Category : B - PFS - WITH RETAIL

TOTAL VEHICLESSelected regions and areas:

03	SOUTH WEST	
	DC DORSET	2 days
	DV DEVON	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LE LEICESTERSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	3 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
	MS MERSEYSIDE	1 days
09	NORTH	
	TW TYNE & WEAR	1 days
10	WALES	
	DB DENBIGHSHIRE	1 days
	MM MONMOUTHSHIRE	1 days
11	SCOTLAND	
	EB CITY OF EDINBURGH	1 days
	FI FIFE	1 days

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

Primary 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: Filling bays
 Actual Range: 6 to 16 (units:)
 Range Selected by User: 4 to 16 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 23/10/20

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	7 days
Wednesday	5 days
Thursday	1 days
Friday	8 days

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

Selected survey types:

Manual count	24 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	3
Suburban Area (PPS6 Out of Centre)	12
Edge of Town	6
Neighbourhood Centre (PPS6 Local Centre)	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:

Industrial Zone	1
Development Zone	1
Residential Zone	16
Built-Up Zone	1
High Street	1
No Sub Category	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:

Sui Generis 24 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 500m Range:

All Surveys Included

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

1,001 to 5,000	3 days
5,001 to 10,000	3 days
10,001 to 15,000	6 days
15,001 to 20,000	3 days
20,001 to 25,000	2 days
25,001 to 50,000	6 days
50,001 to 100,000	1 days

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

Population within 5 miles:

25,001 to 50,000	2 days
50,001 to 75,000	4 days
75,001 to 100,000	3 days
100,001 to 125,000	2 days
125,001 to 250,000	7 days
250,001 to 500,000	5 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:

0.5 or Less	1 days
0.6 to 1.0	8 days
1.1 to 1.5	13 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.

Travel Plan:

No	24 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	24 days
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This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	CA-13-B-02 LINCOLN ROAD PETERBOROUGH	MURCO & COSTCUTTER	CAMBRIDGESHIRE
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 16/12/14		Survey Type: MANUAL
2	DB-13-B-02 RHYL ROAD RHUDDLAN	TEXACO & CO-OP	DENBIGHSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 12/11/13		Survey Type: MANUAL
3	DC-13-B-01 271 BARRACK ROAD CHRISTCHURCH	ESSO & TESCO EXPRESS	DORSET
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: MONDAY 24/03/14		Survey Type: MANUAL
4	DC-13-B-02 71-75 SOMERFORD ROAD CHRISTCHURCH	M&S & BP	DORSET
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Filling bays: 8 Survey date: FRIDAY 21/03/14		Survey Type: MANUAL
5	DS-13-B-01 NOTTINGHAM ROAD DERBY CHADDESSEN	ESSO & TESCO EXPRESS	DERBYSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 8 Survey date: FRIDAY 26/06/15		Survey Type: MANUAL
6	DV-13-B-01 TORBAY ROAD PAIGNTON	BP & COSTCUTTER	DEVON
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: TUESDAY 18/07/17		Survey Type: MANUAL
7	EB-13-B-02 BULLYEON ROAD QUEENSFERRY	BP CONNECT & M&S SIMPLY FOOD	CITY OF EDINBURGH
	Edge of Town Residential Zone Total Filling bays: 15 Survey date: THURSDAY 26/06/14		Survey Type: MANUAL
8	FI-13-B-01 HARBOUR DRIVE DALGETY BAY	BP & M&S SIMPLY FOOD	FIFE
	Edge of Town No Sub Category Total Filling bays: 13 Survey date: WEDNESDAY 23/03/16		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	GM-13-B-01	BP & SPAR	GREATER MANCHESTER
	NEW STREET		
	ROCHDALE		
	MILNROW		
	Edge of Town		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: WEDNESDAY	21/10/15	Survey Type: MANUAL
10	LC-13-B-03	TEXACO & MORRISONS DAILY	LANCASHIRE
	GARSTANG ROAD		
	PRESTON		
	FULWOOD		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: TUESDAY	06/11/18	Survey Type: MANUAL
11	LE-13-B-02	TESCO EXPRESS & ESSO	LEICESTERSHIRE
	FOSSE ROAD NORTH		
	LEICESTER		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: TUESDAY	28/10/14	Survey Type: MANUAL
12	LN-13-B-01	GULF & CO-OP	LINCOLNSHIRE
	CARHOLME ROAD		
	LINCOLN		
	Edge of Town		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: WEDNESDAY	04/10/17	Survey Type: MANUAL
13	MM-13-B-01	BP & M&S SIMPLY FOOD	MONMOUTHSHIRE
	MALPAS ROAD		
	NEWPORT		
	MALPAS		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: FRIDAY	27/09/19	Survey Type: MANUAL
14	MS-13-B-01	ESSO & SPAR	MERSEYSIDE
	ULLET ROAD		
	LIVERPOOL		
	SEFTON PARK		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	6	
	Survey date: TUESDAY	18/11/14	Survey Type: MANUAL
15	NR-13-B-01	TEXACO & LONDIS	NORTHAMPTONSHIRE
	WELLINGBOROUGH ROAD		
	RUSHDEN		
	Edge of Town Centre		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: FRIDAY	23/10/20	Survey Type: MANUAL
16	NT-13-B-03	SAINSBURY'S PFS	NOTTINGHAMSHIRE
	CASTLE BRIDGE ROAD		
	NOTTINGHAM		
	Suburban Area (PPS6 Out of Centre)		
	Development Zone		
	Total Filling bays:	16	
	Survey date: FRIDAY	25/11/16	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

17	NY-13-B-02 NORTH STREET RIPON	BP & SPAR		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: MONDAY 23/09/13			Survey Type: MANUAL
18	NY-13-B-03 WETHERBY ROAD NORTH KNARESBOROUGH	ESSO & CO-OP		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Filling bays: 8 Survey date: FRIDAY 30/09/16			Survey Type: MANUAL
19	NY-13-B-04 VICTORIA ROAD RICHMOND	HARVEST ENERGY & NISA		NORTH YORKSHIRE
	Edge of Town Centre No Sub Category Total Filling bays: 8 Survey date: WEDNESDAY 13/03/19			Survey Type: MANUAL
20	SF-13-B-02 ROUGHAM ROAD BURY ST EDMUNDS	BP CONNECT & M&S		SUFFOLK
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: FRIDAY 19/07/13			Survey Type: MANUAL
21	ST-13-B-01 FOREGATE STREET STAFFORD	BP & HURSTS		STAFFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Filling bays: 10 Survey date: WEDNESDAY 22/11/17			Survey Type: MANUAL
22	TW-13-B-05 THE BROADWAY SUNDERLAND	SHELL & SPAR		TYNE & WEAR
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: FRIDAY 24/05/19			Survey Type: MANUAL
23	WM-13-B-05 HIGH STREET BIRMINGHAM HARBORNE	TEXACO & CO-OPERATIVE		WEST MIDLANDS
	Suburban Area (PPS6 Out of Centre) High Street Total Filling bays: 8 Survey date: TUESDAY 22/10/13			Survey Type: MANUAL
24	WO-13-B-02 CLEARWELL ROAD REDDITCH WINYATES WEST	MORRISONS PFS		WORCESTERSHIRE
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Filling bays: 12 Survey date: MONDAY 05/10/20			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.

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

RANK ORDER for Land Use 13 - PETROL FILLING STATIONS/B - PFS - WITH RETAIL

TOTAL VEHICLES

Ranking Type: **TOTALS** Time Range: 17:00-18:00
 15th Percentile = No. **20** NY-13-B-04 Tot: 11.250
 85th Percentile = No. **5** DC-13-B-02 Tot: 23.500

Median Values

Arrivals: 8.688
 Departures: 9.063
 Totals: 17.750

Mean Values

Arrivals: 8.615
 Departures: 8.568
 Totals: 17.183

Rank	Site-Ref	Description	Town/City	Area	BAYS	Day	Date	Trip Rate (Sorted by Totals)		
								Arrivals	Departures	Totals
1	DS-13-B-01	ESSO & TESCO E	DERBY	DERBYSHIRE	8	Fri	26/06/15	16.125	16.250	32.375
2	DC-13-B-01	ESSO & TESCO E	CHRISTCHURCH	DORSET	6	Mon	24/03/14	15.000	14.333	29.333
3	DB-13-B-02	TEXACO & CO-OP	RHUDDLAN	DENBIGHSHIRE	8	Tue	12/11/13	12.375	11.875	24.250
4	GM-13-B-01	BP & SPAR	ROCHDALE	GREATER MANCHESTER	8	Wed	21/10/15	11.875	11.875	23.750
5	DC-13-B-02	M&S & BP	CHRISTCHURCH	DORSET	8	Fri	21/03/14	12.000	11.500	23.500
6	MS-13-B-01	ESSO & SPAR	LIVERPOOL	MERSEYSIDE	6	Tue	18/11/14	10.333	10.667	21.000
7	LE-13-B-02	TESCO EXPRESS	LEICESTER	LEICESTERSHIRE	8	Tue	28/10/14	10.875	9.875	20.750
8	MM-13-B-01	BP & M&S SIMPL	NEWPORT	MONMOUTHSHIRE	8	Fri	27/09/19	10.375	10.250	20.625
9	WM-13-B-05	TEXACO & CO-OP	BIRMINGHAM	WEST MIDLANDS	8	Tue	22/10/13	10.000	10.000	20.000
10	LN-13-B-01	GULF & CO-OP	LINCOLN	LINCOLNSHIRE	8	Wed	04/10/17	9.875	9.625	19.500
11	FI-13-B-01	BP & M&S SIMPL	DALGETY BAY	FIFE	13	Wed	23/03/16	9.538	9.462	19.000
12	SF-13-B-02	BP CONNECT & M	BURY ST EDMUNDS	SUFFOLK	8	Fri	19/07/13	8.875	9.500	18.375
13	NY-13-B-03	ESSO & CO-OP	KNARESBOROUGH	NORTH YORKSHIRE	8	Fri	30/09/16	8.500	8.625	17.125
14	TW-13-B-05	SHELL & SPAR	SUNDERLAND	TYNE & WEAR	6	Fri	24/05/19	7.333	7.500	14.833
15	LC-13-B-03	TEXACO & MORRI	PRESTON	LANCASHIRE	8	Tue	06/11/18	7.375	7.375	14.750
16	EB-13-B-02	BP CONNECT & M	QUEENSFERRY	CITY OF EDINBURGH	15	Thu	26/06/14	7.200	6.733	13.933
17	NR-13-B-01	TEXACO & LONDI	RUSHDEN	NORTHAMPTONSHIRE	8	Fri	23/10/20	6.375	6.375	12.750
18	DV-13-B-01	BP & COSTCUTTE	PAIGNTON	DEVON	8	Tue	18/07/17	6.375	6.250	12.625
19	NY-13-B-02	BP & SPAR	RIPON	NORTH YORKSHIRE	6	Mon	23/09/13	5.833	6.000	11.833
20	NY-13-B-04	HARVEST ENERGY	RICHMOND	NORTH YORKSHIRE	8	Wed	13/03/19	5.375	5.875	11.250
21	CA-13-B-02	MURCO & COSTCU	PETERBOROUGH	CAMBRIDGESHIRE	8	Tue	16/12/14	5.000	5.125	10.125
22	ST-13-B-01	BP & HURSTS	STAFFORD	STAFFORDSHIRE	10	Wed	22/11/17	4.200	4.200	8.400
23	WO-13-B-02	MORRISONS PFS	REDDITCH	WORCESTERSHIRE	12	Mon	05/10/20	3.833	4.167	8.000
24	NT-13-B-03	SAINSBURY'S PF	NOTTINGHAM	NOTTINGHAMSHIRE	16	Fri	25/11/16	2.125	2.188	4.313

This section displays actual (not average) trip rates for each of the survey days in the selected set, and ranks them in order of relative trip rate intensity, for a given time period (or peak period irrespective of time) selected by the user. The count type and direction are both displayed just above the table, along with the rows within the table representing the 85th and 15th percentile trip rate figures (highlighted in bold within the table itself).

The table itself displays details of each individual survey, alongside arrivals, departures and totals trip rates, sorted by whichever of the three directional options has been chosen by the user. As with the preceeding trip rate calculation results table, the trip rates shown are per the calculation factor (e.g. per 100m2 GFA, per employee, per hectare, etc). Note that if the peak period option has been selected (as opposed to a specific chosen time period), the peak period for each individual survey day in the table is also displayed.

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 13 - PETROL FILLING STATIONS

Category : B - PFS - WITH RETAIL

TOTAL VEHICLESSelected regions and areas:

03	SOUTH WEST	
	DC DORSET	2 days
	DV DEVON	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LE LEICESTERSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
	NT NOTTINGHAMSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	3 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	1 days
	MS MERSEYSIDE	1 days
09	NORTH	
	TW TYNE & WEAR	1 days
10	WALES	
	DB DENBIGHSHIRE	1 days
	MM MONMOUTHSHIRE	1 days
11	SCOTLAND	
	EB CITY OF EDINBURGH	1 days
	FI FIFE	1 days

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

Primary 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: Filling bays
 Actual Range: 6 to 16 (units:)
 Range Selected by User: 4 to 16 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/13 to 23/10/20

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	7 days
Wednesday	5 days
Thursday	1 days
Friday	8 days

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

Selected survey types:

Manual count	24 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	3
Suburban Area (PPS6 Out of Centre)	12
Edge of Town	6
Neighbourhood Centre (PPS6 Local Centre)	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:

Industrial Zone	1
Development Zone	1
Residential Zone	16
Built-Up Zone	1
High Street	1
No Sub Category	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:

Sui Generis 24 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 500m Range:

All Surveys Included

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

1,001 to 5,000	3 days
5,001 to 10,000	3 days
10,001 to 15,000	6 days
15,001 to 20,000	3 days
20,001 to 25,000	2 days
25,001 to 50,000	6 days
50,001 to 100,000	1 days

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

Population within 5 miles:

25,001 to 50,000	2 days
50,001 to 75,000	4 days
75,001 to 100,000	3 days
100,001 to 125,000	2 days
125,001 to 250,000	7 days
250,001 to 500,000	5 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:

0.5 or Less	1 days
0.6 to 1.0	8 days
1.1 to 1.5	13 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.

Travel Plan:

No	24 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	24 days
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This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	CA-13-B-02 LINCOLN ROAD PETERBOROUGH	MURCO & COSTCUTTER	CAMBRIDGESHIRE
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 16/12/14		Survey Type: MANUAL
2	DB-13-B-02 RHYL ROAD RHUDDLAN	TEXACO & CO-OP	DENBIGHSHIRE
	Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 12/11/13		Survey Type: MANUAL
3	DC-13-B-01 271 BARRACK ROAD CHRISTCHURCH	ESSO & TESCO EXPRESS	DORSET
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: MONDAY 24/03/14		Survey Type: MANUAL
4	DC-13-B-02 71-75 SOMERFORD ROAD CHRISTCHURCH	M&S & BP	DORSET
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Filling bays: 8 Survey date: FRIDAY 21/03/14		Survey Type: MANUAL
5	DS-13-B-01 NOTTINGHAM ROAD DERBY CHADDESSEN	ESSO & TESCO EXPRESS	DERBYSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 8 Survey date: FRIDAY 26/06/15		Survey Type: MANUAL
6	DV-13-B-01 TORBAY ROAD PAIGNTON	BP & COSTCUTTER	DEVON
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: TUESDAY 18/07/17		Survey Type: MANUAL
7	EB-13-B-02 BULLYEON ROAD QUEENSFERRY	BP CONNECT & M&S SIMPLY FOOD	CITY OF EDINBURGH
	Edge of Town Residential Zone Total Filling bays: 15 Survey date: THURSDAY 26/06/14		Survey Type: MANUAL
8	FI-13-B-01 HARBOUR DRIVE DALGETY BAY	BP & M&S SIMPLY FOOD	FIFE
	Edge of Town No Sub Category Total Filling bays: 13 Survey date: WEDNESDAY 23/03/16		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	GM-13-B-01	BP & SPAR	GREATER MANCHESTER
	NEW STREET		
	ROCHDALE		
	MILNROW		
	Edge of Town		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: WEDNESDAY	21/10/15	Survey Type: MANUAL
10	LC-13-B-03	TEXACO & MORRISONS DAILY	LANCASHIRE
	GARSTANG ROAD		
	PRESTON		
	FULWOOD		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: TUESDAY	06/11/18	Survey Type: MANUAL
11	LE-13-B-02	TESCO EXPRESS & ESSO	LEICESTERSHIRE
	FOSSE ROAD NORTH		
	LEICESTER		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: TUESDAY	28/10/14	Survey Type: MANUAL
12	LN-13-B-01	GULF & CO-OP	LINCOLNSHIRE
	CARHOLME ROAD		
	LINCOLN		
	Edge of Town		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: WEDNESDAY	04/10/17	Survey Type: MANUAL
13	MM-13-B-01	BP & M&S SIMPLY FOOD	MONMOUTHSHIRE
	MALPAS ROAD		
	NEWPORT		
	MALPAS		
	Neighbourhood Centre (PPS6 Local Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: FRIDAY	27/09/19	Survey Type: MANUAL
14	MS-13-B-01	ESSO & SPAR	MERSEYSIDE
	ULLET ROAD		
	LIVERPOOL		
	SEFTON PARK		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	6	
	Survey date: TUESDAY	18/11/14	Survey Type: MANUAL
15	NR-13-B-01	TEXACO & LONDIS	NORTHAMPTONSHIRE
	WELLINGBOROUGH ROAD		
	RUSHDEN		
	Edge of Town Centre		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: FRIDAY	23/10/20	Survey Type: MANUAL
16	NT-13-B-03	SAINSBURY'S PFS	NOTTINGHAMSHIRE
	CASTLE BRIDGE ROAD		
	NOTTINGHAM		
	Suburban Area (PPS6 Out of Centre)		
	Development Zone		
	Total Filling bays:	16	
	Survey date: FRIDAY	25/11/16	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

17	NY-13-B-02 NORTH STREET RIPON	BP & SPAR		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: MONDAY 23/09/13			Survey Type: MANUAL
18	NY-13-B-03 WETHERBY ROAD NORTH KNARESBOROUGH	ESSO & CO-OP		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Filling bays: 8 Survey date: FRIDAY 30/09/16			Survey Type: MANUAL
19	NY-13-B-04 VICTORIA ROAD RICHMOND	HARVEST ENERGY & NISA		NORTH YORKSHIRE
	Edge of Town Centre No Sub Category Total Filling bays: 8 Survey date: WEDNESDAY 13/03/19			Survey Type: MANUAL
20	SF-13-B-02 ROUGHAM ROAD BURY ST EDMUNDS	BP CONNECT & M&S		SUFFOLK
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: FRIDAY 19/07/13			Survey Type: MANUAL
21	ST-13-B-01 FOREGATE STREET STAFFORD	BP & HURSTS		STAFFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Filling bays: 10 Survey date: WEDNESDAY 22/11/17			Survey Type: MANUAL
22	TW-13-B-05 THE BROADWAY SUNDERLAND	SHELL & SPAR		TYNE & WEAR
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: FRIDAY 24/05/19			Survey Type: MANUAL
23	WM-13-B-05 HIGH STREET BIRMINGHAM HARBORNE	TEXACO & CO-OPERATIVE		WEST MIDLANDS
	Suburban Area (PPS6 Out of Centre) High Street Total Filling bays: 8 Survey date: TUESDAY 22/10/13			Survey Type: MANUAL
24	WO-13-B-02 CLEARWELL ROAD REDDITCH WINYATES WEST	MORRISONS PFS		WORCESTERSHIRE
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Filling bays: 12 Survey date: MONDAY 05/10/20			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.

Local Transport Projects Beverley East Yorkshire

Licence No: 342901

RANK ORDER for Land Use 13 - PETROL FILLING STATIONS/B - PFS - WITH RETAIL

TOTAL VEHICLESRanking Type: **TOTALS** Time Range: 07:00-19:0015th Percentile = No. **20** NR-13-B-01 Tot: 135.75085th Percentile = No. **5** MM-13-B-01 Tot: 263.500Median Values

Arrivals: 91.750

Departures: 91.416

Totals: 183.166

Mean Values

Arrivals: 93.494

Departures: 93.303

Totals: 186.797

Rank	Site-Ref	Description	Town/City	Area	BAYS	Day	Date	Trip Rate (Sorted by Totals)		
								Arrivals	Departures	Totals
1	DS-13-B-01	ESSO & TESCO E	DERBY	DERBYSHIRE	8	Fri	26/06/15	173.500	173.875	347.375
2	DC-13-B-01	ESSO & TESCO E	CHRISTCHURCH	DORSET	6	Mon	24/03/14	172.500	172.167	344.667
3	LE-13-B-02	TESCO EXPRESS	LEICESTER	LEICESTERSHIRE	8	Tue	28/10/14	137.625	136.750	274.375
4	DC-13-B-02	M&S & BP	CHRISTCHURCH	DORSET	8	Fri	21/03/14	132.000	131.875	263.875
5	MM-13-B-01	BP & M&S SIMPL	NEWPORT	MONMOUTHSHIRE	8	Fri	27/09/19	131.500	132.000	263.500
6	LN-13-B-01	GULF & CO-OP	LINCOLN	LINCOLNSHIRE	8	Wed	04/10/17	114.250	113.750	228.000
7	NY-13-B-03	ESSO & CO-OP	KNARESBOROUGH	NORTH YORKSHIRE	8	Fri	30/09/16	108.375	108.625	217.000
8	WM-13-B-05	TEXACO & CO-OP	BIRMINGHAM	WEST MIDLANDS	8	Tue	22/10/13	105.000	105.000	210.000
9	LC-13-B-03	TEXACO & MORRI	PRESTON	LANCASHIRE	8	Tue	06/11/18	101.625	101.750	203.375
10	MS-13-B-01	ESSO & SPAR	LIVERPOOL	MERSEYSIDE	6	Tue	18/11/14	98.167	97.833	196.000
11	GM-13-B-01	BP & SPAR	ROCHDALE	GREATER MANCHESTER	8	Wed	21/10/15	94.750	94.875	189.625
12	DB-13-B-02	TEXACO & CO-OP	RHUDDLAN	DENBIGHSHIRE	8	Tue	12/11/13	95.000	94.000	189.000
13	TW-13-B-05	SHELL & SPAR	SUNDERLAND	TYNE & WEAR	6	Fri	24/05/19	88.500	88.833	177.333
14	SF-13-B-02	BP CONNECT & M	BURY ST EDMUNDS	SUFFOLK	8	Fri	19/07/13	87.250	86.875	174.125
15	FI-13-B-01	BP & M&S SIMPL	DALGETY BAY	FIFE	13	Wed	23/03/16	82.615	82.615	165.230
16	NY-13-B-04	HARVEST ENERGY	RICHMOND	NORTH YORKSHIRE	8	Wed	13/03/19	75.500	75.125	150.625
17	DV-13-B-01	BP & COSTCUTTE	PAIGNTON	DEVON	8	Tue	18/07/17	75.125	74.625	149.750
18	NY-13-B-02	BP & SPAR	RIPON	NORTH YORKSHIRE	6	Mon	23/09/13	73.333	72.000	145.333
19	EB-13-B-02	BP CONNECT & M	QUEENSFERRY	CITY OF EDINBURGH	15	Thu	26/06/14	69.400	69.400	138.800
20	NR-13-B-01	TEXACO & LONDI	RUSHDEN	NORTHAMPTONSHIRE	8	Fri	23/10/20	68.125	67.625	135.750
21	WO-13-B-02	MORRISONS PFS	REDDITCH	WORCESTERSHIRE	12	Mon	05/10/20	49.333	49.583	98.916
22	CA-13-B-02	MURCO & COSTCU	PETERBOROUGH	CAMBRIDGESHIRE	8	Tue	16/12/14	46.875	47.000	93.875
23	ST-13-B-01	BP & HURSTS	STAFFORD	STAFFORDSHIRE	10	Wed	22/11/17	38.000	37.600	75.600
24	NT-13-B-03	SAINSBURY'S PF	NOTTINGHAM	NOTTINGHAMSHIRE	16	Fri	25/11/16	25.500	25.500	51.000

This section displays actual (not average) trip rates for each of the survey days in the selected set, and ranks them in order of relative trip rate intensity, for a given time period (or peak period irrespective of time) selected by the user. The count type and direction are both displayed just above the table, along with the rows within the table representing the 85th and 15th percentile trip rate figures (highlighted in bold within the table itself).

The table itself displays details of each individual survey, alongside arrivals, departures and totals trip rates, sorted by whichever of the three directional options has been chosen by the user. As with the preceeding trip rate calculation results table, the trip rates shown are per the calculation factor (e.g. per 100m2 GFA, per employee, per hectare, etc). Note that if the peak period option has been selected (as opposed to a specific chosen time period), the peak period for each individual survey day in the table is also displayed.