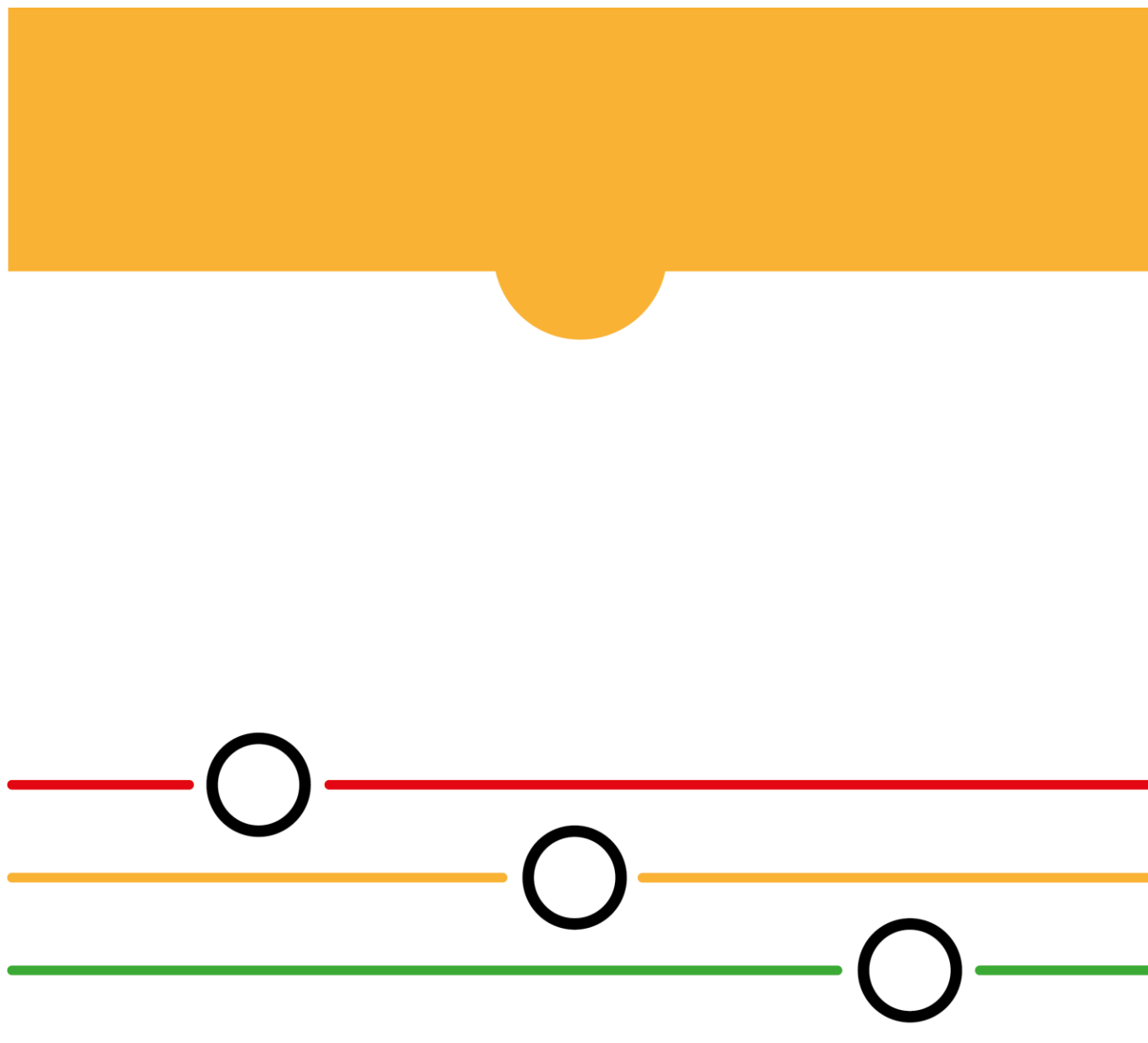




Welcome Break Ltd

Proposed Service Area Redevelopment,
Northway Service Station, A1(S), Hinxworth

Technical Note 2

3712725



NOVEMBER 2025

Note Details

Report Number:	3712725-TN
Report Title:	Proposed Service Area Redevelopment, Northway Service Station, A1(S), Hinxworth
Client:	Welcome Break Ltd
Date:	20 November 2025
Status:	-

Dynamic Transport Planning Ltd (DTP) has prepared this report for the use of our client for the intended purposes as stated in the agreement under which this work was undertaken. This report should not be relied on by any third party without the written agreement of DTP and the client.

Where data is used which is supplied by the client or other parties it is assumed that the information is correct. No responsibility can be accepted by DTP for errors or inconsistencies in the data supplied by external sources.

It is not permitted for any sections of this report to be copied or duplicated without the written permission of DTP and the client for who it was prepared.

www.dynamictransportplanning.co.uk – enquiries@dynamictransportplanning.co.uk

1 Introduction

- 1.1 Dynamic Transport Planning Ltd is instructed by Welcome Break Ltd report on the anticipated highways and transportation considerations associated with the part retrospective application for the construction of a food-to-go pod, at the existing established service area at Northway Service Station, off the A1 Southbound, Hinxworth.

Development Proposals

- 1.2 The part-retrospective proposals at the site are for the construction of a food-to-go pod, located to the east of the wider site, on a parcel of vacant hardstanding. As part of the proposals, the pod will have a Gross Floor Area (GFA) of around 70m².
- 1.3 The proposed development also includes the introduction of formal, demarcated parking bays within the vicinity of the food-to-go pod. It is noted that the existing wider site will not be altered as part of the proposals.
- 1.4 Given the nature of the proposed development and the existing wider site, it is anticipated that the proposed development would continue to cater for passing motorists, providing a new facility and additional refreshment.

Planning Application

- 1.5 The planning application for the site is currently live with North Hertfordshire District Council (Application Reference: 25/02260/FP) and was supported by a Highways Technical Note, prepared by DTP (Document Reference: DTP-3712725-TN).
- 1.6 In response to the application, consultation comments were received from National Highways in November 2025, which raised two primary concerns, that; a trip generation exercise was required to be submitted for approval, and the proposed layout should be modified to address the flow of vehicles through the site.
- 1.7 Therefore, this TN has been prepared in order to address the comments set out by NH.

2 Response to Highways Comments

General

- 2.1 This section sets out the response the consultation comments received from National Highways within their comments dated November 2025. The comments identified two key areas of concern, which are addressed in detail below.

Trip Generation Assessment

- 2.2 As part of the submitted TN prepared by DTP in support of the application, it was set out that the proposals to introduce the food-to-go pod at the site would in effect be ancillary to the existing site. It was detailed that the trip generation associated with service facilities is linked with the passing flows on the mainline, where drivers 'turn-in' to the site based on their necessity for the amenity provided at the service areas.
- 2.3 As such, it is considered that the proposed food-to-go unit would provide additional amenity to the existing service area, offering a greater choice of refreshment to users of the existing wider site, and would not be a destination or trip generator in its own right. The application would also only be for temporary approval for the food-to-go unit.
- 2.4 In their consultation response, NH state that provision for 11 parking spaces is being made, implying 'additional need', and that a trip generation exercise should be undertaken and submitted for approval.
- 2.5 It is noted that the provision of 11 demarcated parking bays as part of the site would increase parking across the wider site, providing a betterment over the existing situation, which is currently below the requisite standards for service areas.
- 2.6 It is still considered that the proposals for a temporary food-to-go unit would not result in any material change in the levels of trip generation expected at the site, however, as per NH's requests, a trip generation assessment has been carried out.
- 2.7 Whilst it is industry standard practice to interrogate the TRICS database for trip rates of comparable sites, food-to-go units, such as the one proposed in the current application, is not covered by any of the land use categories within the database.
- 2.8 Therefore, the most analogous land-use categories have been sought from the TRICS database. It has been considered that the categories of 'Café' and 'Fast-Food Drive Through' present as the most comparable sites. However, given the proposed unit does not have a drive-thru lane, the 'Fast Food Drive Through' trip rates have been applied to only 50% of the GFA, accounting for around 50% of all trips to these uses utilising the drive thru lane.

2.9 The selection criteria for the comparative sites taken from the TRICS database are listed below:

- Land Use – ‘Hotel, Food and Drink’ Subcategories – ‘Fast Food Drive Thru’ or ‘Café’ as appropriate;
- London and Ireland sites excluded;
- Weekday surveys only;
- Town Centre and Edge of Town Centre sites removed; and
- Selection by GFA.

2.10 The trip rates and resultant trip generation for the proposed food-to-go unit on the site are shown in **Table 2.1**.

Table 2.1: Trip Rates and Trip Generation

	AM Peak		PM Peak		Daily	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Fast Food Drive Thru Trip Rates	9.071	7.961	16.742	15.899	204.652	203.134
Café Trip Rates	6.126	5.629	6.746	6.746	87.592	86.49
Fast Food Drive Thru Trip Generation	3	3	6	6	72	71
Café Trip Generation	4	4	5	5	61	61

2.11 The table shows that the assessment for the Café and the 50% Fast Food Drive Thru produce a similar level of trip generation. Even when considering the higher estimate, there would be a total of eight and 12 two-way vehicle movements expected during the AM and PM peak hour periods at the site. This would be equivalent to one vehicle either arriving at or departing the site every five minutes during the busiest hour period.

2.12 It remains our consideration that the proposed development would provide additional amenity for those already using the existing services site, and there would be no change in the number of vehicles accessing and egressing the site. Notwithstanding this, the trip generation assessment as set out above demonstrates that the proposed use would be expected to generate a minimal number of vehicle trips.

Internal Layout

2.13 In response to the application, NH’s comments noted that the layout does not allow any user to use both the car park for the food pod and the filling station in one visit. In NH’s view, the one-way layout proposed would result in dangerous manoeuvres, such as reversing out of the filling station to travel to the car park. NH requested that this layout should be modified to address this safety concern.

- 2.14 An updated site layout plan has been provided, which can be found at **Appendix 2** of this report. The proposals now see the conversion of the road toward the southern edge of the site to facilitate two-way vehicle movements. Give-way road markings are proposed at the terminus of the forecourt and HGV forecourt, as well as from the food-to-go area.
- 2.15 The proposed changes to the internal layout would allow for movements from the PFS element to the food-to-go area, ensuring users are able to make use of both uses on the site in one visit.
- 2.16 New signage would be proposed on the route toward the food-to-go area, denoting 'no return to forecourt from the parking area', thus warning users who require fuel to access the forecourt prior to the food-to-go area. Additional signage would also be provided within the parking area to advise that there would be no access to the forecourt. The applicant is happy to agree to a suitably worded condition, agreeing the wording of the signage within the site, which is not considered uncommon at similar service area sites.
- 2.17 An updated swept path analysis for the new proposed internal layout is shown at **Appendix 3**.

Summary

- 2.18 Welcome Break have submitted a part-retrospective application for the siting of a temporary food-to-go unit on hardstanding to the eastern extent of their existing Northway Services site off the A1 Southbound, Hinxworth.
- 2.19 The application was supported by a TN provided by DTP which set out that the proposals would provide updated amenity for users of the site, resulting in no material change in the trip generating potential of the site.
- 2.20 National Highways have provided consultation comments requesting that a trip generation exercise be carried out for the proposed unit, and that the internal layout be revised.
- 2.21 This TN details a trip generation assessment for the unit, which demonstrates a negligible number of trips would be associated with the proposed use. It also remains our consideration that the proposals would continue to cater for existing users of the site.
- 2.22 A revised site layout plan has also been provided with movements between uses on the site now permitted and revised signage available.
- 2.23 It is considered that, on the basis of this TN and the previously submitted assessment, there remain no outstanding reasons why the proposals should not be approved on highways grounds.

Appendix 1

TRICS Outputs

Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcfa6

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use: 06 - HOTEL, FOOD & DRINK

Category: K - CAFE

Selected Vehicle Type: Total Vehicles

Selected regions and areas:

02	SOUTH EAST		
	WS	WEST SUSSEX	1 day
08	NORTH WEST		
	GM	GREATER MANCHESTER	1 day
10	WALES		
	DB	DENBIGHSHIRE	1 day
11	SCOTLAND		
	GC	GLASGOW CITY	1 day

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

Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcfa6

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:	GFA
Actual Range:	38 to 325 (units:sqm)
Range Selected by User:	38 to 325 (units:sqm)
Parking Spaces Range:	23 - 36

Public Transport Provision:	
Selection by:	All Surveys Included
Date Range:	27/11/18 to 15/10/24

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	2 days
Wednesday	1 days

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

Selected survey types:	
Manual count	4
Direction ATC Count	0

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:	
Neighbourhood Centre	3 days
Suburban Area	1 days

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:	
Built-Up Zone	1 days
High Street	2 days
Village	1 days

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.

Inclusion of Servicing Vehicle Counts:	
Servicing vehicles Included	4 days

Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcfa6

Secondary Filtering Selection:

Use Class:

E(b)	4 surveys
------	-----------

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

270 - 9503

Population within 1 mile:

1,001 to 5,000	1 surveys
20,001 to 25,000	1 surveys
25,001 to 50,000	2 surveys

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

Population within 5 miles:

125,001 to 250,000	1 surveys
50,001 to 75,000	1 surveys
500,001 or More	2 surveys

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 surveys
1.1 to 1.5	3 surveys

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.

Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcfa6

Petrol filling station:

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

Travel Plan:

No	4 surveys
----	-----------

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 surveys
-----------------	-----------

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

COVID-19 Restrictions:

No

Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcfa6

1 A55 NEAR RHYL BODELWYDDAN Neighbourhood Centre Village Gross floor area: 252 sqm Survey date: Tuesday 07/05/2024	DB-06-K-01	STARBUCKS	DENBIGHSHIRE	Survey Type: Manual
2 GREAT WESTERN ROAD GLASGOW WEST END Neighbourhood Centre High Street Gross floor area: 105 sqm Survey date:	GC-06-K-01	CAFÉ	GLASGOW CITY	Survey Type: Manual
3 CHAPEL STREET SALFORD Suburban Area Built-Up Zone Gross floor area: 160 sqm Survey date: Tuesday 19/09/2023	GM-06-K-03	CAFÉ	GREATER MANCHESTER	Survey Type: Manual
4 GORING ROAD WORTHING GORING-BY-SEA Neighbourhood Centre High Street Gross floor area: 87 sqm Survey date: Wednesday 11/05/2022	WS-06-K-01	CAFÉ	WEST SUSSEX	Survey Type: Manual

DESELECTED SURVEYS

Site Ref	Survey Date	Reason for Deselection
DL-06-K-01	25-11-2022	Not Comparable

Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcf6a6

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/K - CAFE

Total Vehicles

Calculation factor: 100 sqm

**BOLD print indicates peak (busiest) period*

Time Range	No. Days	Ave. GFA	Arrivals	Departures	Totals
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	252	3.571	2.381	5.952
07:00-08:00	3	172	7.350	5.803	13.153
08:00-09:00	4	151	6.126	5.629	11.755
09:00-10:00	4	151	7.285	6.623	13.908
10:00-11:00	4	151	13.576	13.411	26.987
11:00-12:00	4	151	10.430	10.099	20.529
12:00-13:00	4	151	10.430	9.106	19.536
13:00-14:00	4	151	8.113	9.437	17.550
14:00-15:00	4	151	5.464	5.298	10.762
15:00-16:00	4	151	4.305	4.967	9.272
16:00-17:00	3	166	3.006	4.609	7.615
17:00-18:00	1	252	6.746	6.746	13.492
18:00-19:00	1	252	1.190	2.381	3.571
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			87.592	86.490	174.082

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.

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

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.]



Audit Code: 4c0b97a3-c59e-4c28-93e2-023a52cbcfa6

Parameter Summary:

Trip rate parameter range selected:	38 - 325 (units: sqm)
Survey date date range:	11/05/2022 - 07/05/2024
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	0

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

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use: 06 - HOTEL, FOOD & DRINK

Category: D - FAST FOOD - DRIVE THROUGH

Selected Vehicle Type: Total Vehicles

Selected regions and areas:

01	GREATER LONDON	
	EG	EALING
	WH	WANDSWORTH
02	SOUTH EAST	
	ES	EAST SUSSEX
	HC	HAMPSHIRE
	SO	SLOUGH
	WS	WEST SUSSEX
03	SOUTH WEST	
	BC	BOURNEMOUTH CHRISTCHURCH & POOLE
	BR	BRISTOL CITY
	NS	NORTH SOMERSET
04	EAST ANGLIA	
	CA	CAMBRIDGESHIRE
05	EAST MIDLANDS	
	LE	LEICESTERSHIRE
	LN	LINCOLNSHIRE
	NM	WEST NORTHAMPTONSHIRE
	NN	NORTH NORTHAMPTONSHIRE
06	WEST MIDLANDS	
	WM	WEST MIDLANDS
	WO	WORCESTERSHIRE
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	BY	BARNSELY
08	NORTH WEST	
	BP	BLACKPOOL
	GM	GREATER MANCHESTER
	LC	LANCASHIRE
	MS	MERSEYSIDE
10	WALES	
	CO	CONWY
	VG	VALE OF GLAMORGAN
11	SCOTLAND	
	AD	ABERDEEN CITY
	EB	CITY OF EDINBURGH
	FA	FALKIRK
	FI	FIFE
12	CONNAUGHT	
	LT	LEITRIM
14	LEINSTER	
	KD	KILDARE
	KK	KILKENNY
15	GREATER DUBLIN	
	DL	DUBLIN

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

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

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:	GFA
Actual Range:	123 to 800 (units:sqm)
Range Selected by User:	123 to 800 (units:sqm)
Parking Spaces Range:	7 - 98

Public Transport Provision:

Selection by:	All Surveys Included
Date Range:	11/08/89 to 23/11/24

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:

Friday	15 days
Monday	1 days
Thursday	8 days
Tuesday	9 days
Wednesday	6 days

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

Selected survey types:

Manual count	39
Direction ATC Count	0

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	14 days
Free Standing	2 days
Neighbourhood Centre	9 days
Suburban Area	14 days

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:

Built-Up Zone	1 days
Commercial Zone	3 days
Development Zone	3 days
High Street	1 days
Industrial Zone	6 days
No Sub Category	12 days
Out of Town	3 days
Residential Zone	5 days
Retail Zone	5 days

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.

Inclusion of Servicing Vehicle Counts:

Servicing vehicles Excluded	33 days
Servicing vehicles Included	6 days

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

Secondary Filtering Selection:

Use Class:

Not Known

39 surveys

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

0 - 8736

Population within 1 mile:

1,000 or Less	2 surveys
1,001 to 5,000	4 surveys
10,001 to 15,000	5 surveys
15,001 to 20,000	5 surveys
20,001 to 25,000	3 surveys
25,001 to 50,000	9 surveys
5,001 to 10,000	10 surveys
50,001 to 100,000	1 surveys

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

Population within 5 miles:

100,001 to 125,000	7 surveys
125,001 to 250,000	9 surveys
25,001 to 50,000	5 surveys
250,001 to 500,000	5 surveys
5,001 to 25,000	1 surveys
50,001 to 75,000	4 surveys
500,001 or More	6 surveys
75,001 to 100,000	2 surveys

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

Car ownership within 5 miles:

0.5 or Less	2 surveys
0.6 to 1.0	19 surveys
1.1 to 1.5	16 surveys
1.6 to 2.0	1 surveys
3.1 to 3.5	1 surveys

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.

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

Petrol filling station:

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

Travel Plan:

No	39 surveys
----	------------

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:

3 - Moderate	1 surveys
No PTAL Present	38 surveys

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

COVID-19 Restrictions:

Yes - At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

1	AD-06-D-02	BURGER KING	ABERDEEN CITY
WELLINGTON ROAD ABERDEEN ALTENS Edge of Town No Sub Category Gross floor area: 300 sqm Survey date: Friday 22/11/2019			
			Survey Type: Manual
2	BC-06-D-01	MCDONALD'S	BOURNEMOUTH CHRISTCHURCH & POOLE
SOMERFORD ROAD CHRISTCHURCH SOMERFORD Neighbourhood Centre Industrial Zone Gross floor area: 498 sqm Survey date: Saturday 04/10/2003			
			Survey Type: Manual
3	BP-06-D-01	MCDONALD'S	BLACKPOOL
PRESTON NEW ROAD BLACKPOOL GREAT MARTON Suburban Area No Sub Category Gross floor area: 500 sqm Survey date: Friday 08/07/1994			
			Survey Type: Manual
4	BR-06-D-01	MCDONALD'S	BRISTOL CITY
SHEENE ROAD BRISTOL BEDMINSTER Neighbourhood Centre High Street Gross floor area: 210 sqm Survey date:			
			Survey Type: Manual
5	BY-06-D-01	KFC	BARNSELY
WAKEFIELD ROAD BARNSELY Suburban Area No Sub Category Gross floor area: 360 sqm Survey date: Thursday 10/04/2003			
			Survey Type: Manual
6	CA-06-D-02	MCDONALD'S	CAMBRIDGESHIRE
NEWMARKET ROAD CAMBRIDGE Suburban Area Residential Zone Gross floor area: 435 sqm Survey date: Tuesday 19/09/2017			
			Survey Type: Manual
7	CO-06-D-01	MCDONALD'S	CONWY
RHUDDLAN ROAD ABERGELE Edge of Town Out of Town Gross floor area: 410 sqm Survey date: Friday 21/10/2011			
			Survey Type: Manual
8	DL-06-D-01	MCDONALD'S	DUBLIN
KYLEMORE ROAD			

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

DUBLIN DUBLIN 12 Suburban Area Commercial Zone Gross floor area: 800 sqm Survey date: Wednesday 28/09/2011				Survey Type: Manual
9 GYLEMUIR ROAD EDINBURGH Suburban Area Residential Zone Gross floor area: 475 sqm Survey date: Wednesday 18/06/2008	EB-06-D-01	MCDONALD'S	CITY OF EDINBURGH	Survey Type: Manual
10 UXBRIDGE ROAD SOUTHALL Suburban Area Built-Up Zone Gross floor area: 726 sqm Survey date: Friday 11/05/2012	EG-06-D-01	MCDONALD'S	EALING	Survey Type: Manual
11 A259 DE LA WARR ROAD BEXHILL GLYNE GAP Neighbourhood Centre No Sub Category Gross floor area: 511 sqm Survey date: Thursday 24/06/1993	ES-06-D-01	MCDONALD'S	EAST SUSSEX	Survey Type: Manual
12 GRANGEMOUTH ROAD FALKIRK WEST MAINS Edge of Town Industrial Zone Gross floor area: 400 sqm Survey date: Tuesday 08/06/1999	FA-06-D-01	MCDONALD'S	FALKIRK	Survey Type: Manual
13 FLEMINGTON ROAD GLENROTHES QUEENSWAY Suburban Area Industrial Zone Gross floor area: 283 sqm Survey date: Tuesday 26/06/2001	FI-06-D-01	MCDONALD'S	FIFE	Survey Type: Manual
14 WHIMBREL PLACE DUNFERMLINE HALBEATH Edge of Town Development Zone Gross floor area: 275 sqm Survey date: Tuesday 22/03/2016	FI-06-D-02	KFC	FIFE	Survey Type: Manual
15 WILMSLOW ROAD MANCHESTER FALLOWFIELD	GM-06-D-01	MCDONALD'S	GREATER MANCHESTER	

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

Neighbourhood Centre

Residential Zone

Gross floor area: 449 sqm

Survey date: Friday 11/08/1989

Survey Type: Manual

16	GM-06-D-02	MCDONALD'S	GREATER MANCHESTER
CROSS LANE SALFORD PENDLETON Neighbourhood Centre No Sub Category Gross floor area: 596 sqm Survey date: Saturday 30/11/1991			
Survey Type: Manual			

17	GM-06-D-03	MCDONALD'S	GREATER MANCHESTER
OLDHAM ROAD MANCHESTER NEWTON HEATH Neighbourhood Centre No Sub Category Gross floor area: 418 sqm Survey date: Friday 28/10/1994			
Survey Type: Manual			

18	GM-06-D-04	MCDONALD'S	GREATER MANCHESTER
ROCHDALE ROAD MANCHESTER Neighbourhood Centre No Sub Category Gross floor area: 300 sqm Survey date: Friday 27/11/1998			
Survey Type: Manual			

19	HC-06-D-01	MCDONALD'S	HAMPSHIRE
ROMSEY ROAD NEAR ROMSEY OWER Free Standing Out of Town Gross floor area: 279 sqm Survey date: Saturday 07/06/2003			
Survey Type: Manual			

20	HC-06-D-03	KFC	HAMPSHIRE
LARCHWOOD AVENUE HAVANT BEDHAMPTON Edge of Town Retail Zone Gross floor area: 315 sqm Survey date: Tuesday 23/05/2023			
Survey Type: Manual			

21	KD-06-D-01	MCDONALD'S	KILDARE
DUBLIN ROAD MAYNOOTH Neighbourhood Centre Retail Zone Gross floor area: 380 sqm Survey date: Tuesday 19/10/2010			
Survey Type: Manual			

22	KK-06-D-01	MCDONALD'S	KILKENNY
HEBRON ROAD KILKENNY Edge of Town Industrial Zone Gross floor area: 583 sqm			

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

Survey date: Friday 04/10/2019

Survey Type: Manual

23	LC-06-D-01	MCDONALD'S	LANCASHIRE
NAVIGATION WAY PRESTON ASHTON-ON-RIBBLE Suburban Area Development Zone Gross floor area: 600 sqm Survey date: Friday 15/11/1991			
			Survey Type: Manual
24	LE-06-D-01	MCDONALD'S	LEICESTERSHIRE
MELTON ROAD NEAR MKT HARBOROUGH WEST LANGTON Free Standing Out of Town Gross floor area: 370 sqm Survey date: Wednesday 22/06/2022			
			Survey Type: Manual
25	LN-06-D-02	MCDONALD'S	LINCOLNSHIRE
RYHALL ROAD STAMFORD Edge of Town Retail Zone Gross floor area: 490 sqm Survey date: Wednesday 13/10/2021			
			Survey Type: Manual
26	LT-06-D-01	SUPERMAC'S & PAPA JOHN'S	LEITRIM
N4 CARRICK-ON-SHANNON DRISHOGE Edge of Town Retail Zone Gross floor area: 430 sqm Survey date: Friday 21/10/2022			
			Survey Type: Manual
27	MS-06-D-01	MCDONALD'S	MERSEYSIDE
SAINT HELENS LINKWAY SAINT HELENS Suburban Area No Sub Category Gross floor area: 463 sqm Survey date: Friday 16/04/2021			
			Survey Type: Manual
28	NM-06-D-01	MCDONALD'S	WEST NORTHAMPTONSHIRE
MARQUEE DRIVE NORTHAMPTON Edge of Town Commercial Zone Gross floor area: 220 sqm Survey date: Tuesday 22/05/2007			
			Survey Type: Manual
29	NN-06-D-01	MCDONALD'S	NORTH NORTHAMPTONSHIRE
LITTLE COLLIERS FIELD CORBY GREAT OAKLEY Edge of Town Development Zone Gross floor area: 690 sqm Survey date: Thursday 16/06/2022			
			Survey Type: Manual
30	NS-06-D-01	KFC	NORTH SOMERSET

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

MARCHFIELDS WAY
WESTON-SUPER-MARE
Suburban Area
No Sub Category
Gross floor area: 230 sqm
Survey date: Thursday 15/09/2022

Survey Type: Manual

31
WINDSOR ROAD
SLOUGH
Edge of Town
Residential Zone
Gross floor area: 480 sqm
Survey date: Wednesday 21/11/2012

SO-06-D-01

MCDONALD'S

SLOUGH

Survey Type: Manual

32
CARDIFF ROAD
BARRY
Edge of Town
Industrial Zone
Gross floor area: 405 sqm
Survey date: Thursday 24/09/2020

VG-06-D-01

MCDONALD'S

VALE OF GLAMORGAN

Survey Type: Manual

33
BALHAM HILL
BALHAM
Suburban Area
Residential Zone
Gross floor area: 123 sqm
Survey date: Tuesday 27/11/2007

WH-06-D-01

BURGER KING

WANDSWORTH

Survey Type: Manual

34
KINGSBURY ROAD
BIRMINGHAM
ERDINGTON
Suburban Area
No Sub Category
Gross floor area: 250 sqm
Survey date: Tuesday 25/11/2008

WM-06-D-01

BURGER KING

WEST MIDLANDS

Survey Type: Manual

35
COVENTRY ROAD
BIRMINGHAM
SHELDON
Neighbourhood Centre
No Sub Category
Gross floor area: 418 sqm
Survey date: Friday 26/11/2021

WM-06-D-03

KFC

WEST MIDLANDS

Survey Type: Manual

36
LANGDON STREET
BIRMINGHAM
BORDESLEY GREEN
Suburban Area
Industrial Zone
Gross floor area: 360 sqm
Survey date: Wednesday 19/10/2022

WM-06-D-04

BIG JOHN'S

WEST MIDLANDS

Survey Type: Manual

37
CLEWS ROAD
REDDITCH
Suburban Area
No Sub Category

WO-06-D-01

KFC

WORCESTERSHIRE

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

Gross floor area: 436 sqm
Survey date: Friday 02/10/2020

Survey Type: Manual

38 SHRIPNEY ROAD BOGNOR REGIS Edge of Town Commercial Zone Gross floor area: 329 sqm Survey date: Friday 05/07/1991	WS-06-D-01	BURGER KING	WEST SUSSEX
--	-------------------	--------------------	--------------------

Survey Type: Manual

39 ROWAN WAY BOGNOR REGIS Edge of Town Retail Zone Gross floor area: 330 sqm Survey date: Thursday 25/05/2023	WS-06-D-02	KFC	WEST SUSSEX
--	-------------------	------------	--------------------

Survey Type: Manual

DESELECTED SURVEYS

Site Ref	Survey Date	Reason for Deselection
CS-06-D-01	21-09-2010	Not Comparable Location
DE-06-D-01	21-06-2012	Not Comparable Location

Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

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	No. Days	Ave. GFA	Arrivals	Departures	Totals
00:00-01:00					
01:00-02:00					
02:00-03:00					
03:00-04:00					
04:00-05:00					
05:00-06:00	2	485	0.309	0.000	0.309
06:00-07:00	10	464	4.630	3.661	8.291
07:00-08:00	22	435	7.056	6.023	13.079
08:00-09:00	26	440	9.071	7.961	17.032
09:00-10:00	28	433	9.173	8.694	17.867
10:00-11:00	38	415	8.048	7.465	15.513
11:00-12:00	39	414	9.834	8.569	18.403
12:00-13:00	39	414	17.356	15.930	33.286
13:00-14:00	39	414	16.817	17.641	34.458
14:00-15:00	39	414	11.695	12.767	24.462
15:00-16:00	39	414	12.687	12.191	24.878
16:00-17:00	39	414	13.741	13.325	27.066
17:00-18:00	39	414	16.742	15.899	32.641
18:00-19:00	39	414	17.641	18.218	35.859
19:00-20:00	37	421	14.141	15.496	29.637
20:00-21:00	37	421	13.093	13.832	26.925
21:00-22:00	37	421	10.395	10.813	21.208
22:00-23:00	29	419	7.877	9.376	17.253
23:00-00:00	19	437	4.346	5.273	9.619
Total Rates:			204.652	203.134	407.786

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.

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

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.]



Audit Code: 39abb7ed-6bd8-43bd-87d0-d24759a0c753

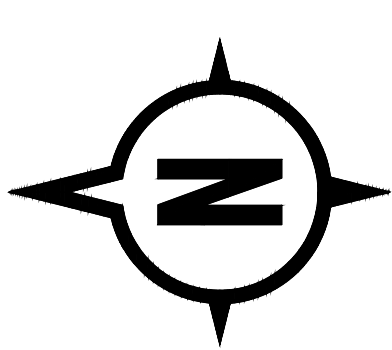
Parameter Summary:

Trip rate parameter range selected:	123 - 800 (units: sqm)
Survey date date range:	11/08/1989 - 25/05/2023
Number of weekdays (Monday-Friday):	39
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	3
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 2

Proposed Site Layout



Key

- Site boundary
- Site Area 2885 sqm / 0.71 acres
- Black Blimac finish
- Stoned with loose chippings
- Concrete
- Kerb
- Pin Kerb
- Drop Kerb
- Soft Landscaping
- Removed



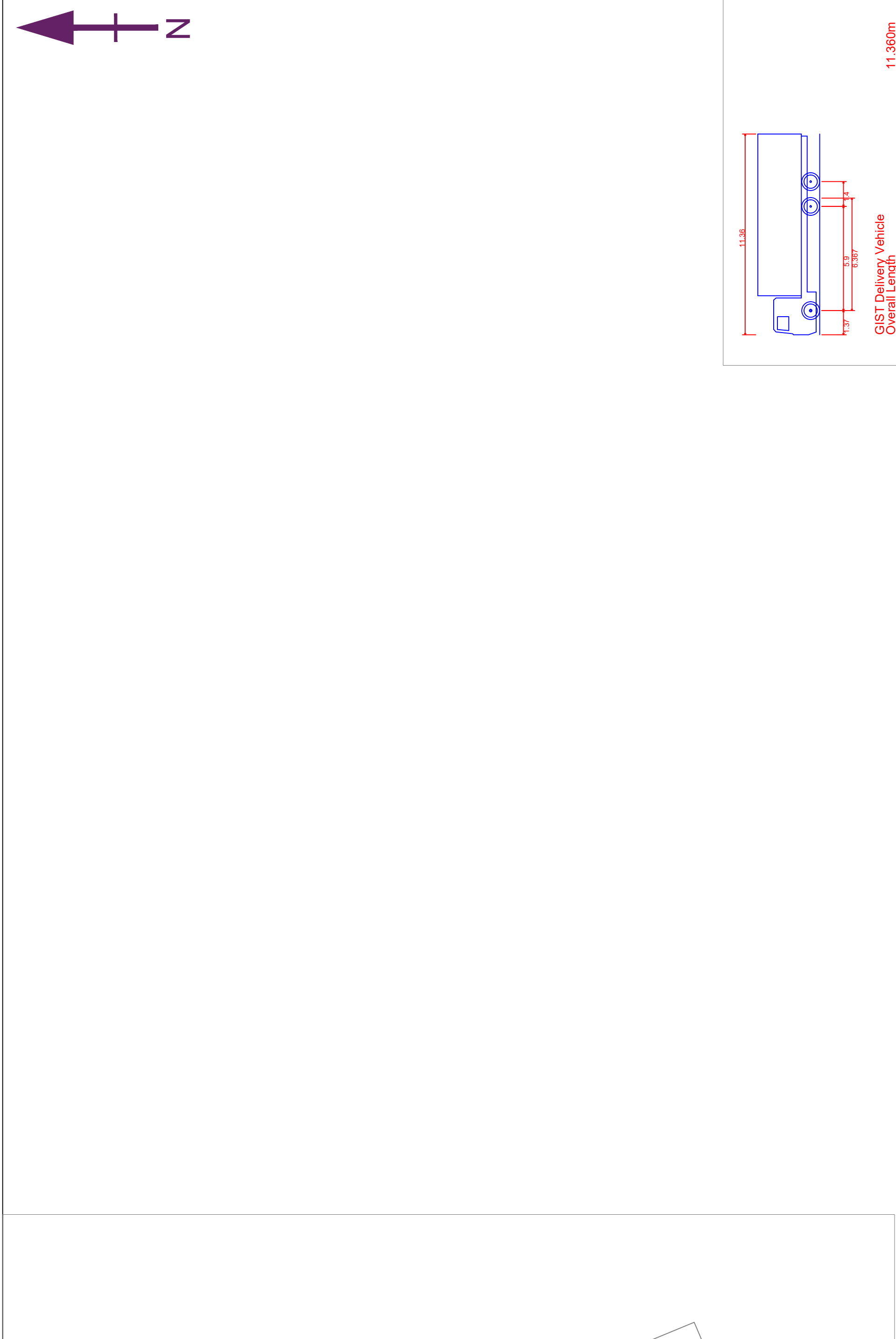
C	21.11.25	WHITE LINING ADDED
B	18.11.25	SIGNAGE ADDED
A	05.09.25	HARDSTANDING REVISED
REVISIONS		
CLIENT WELCOME BREAK		
PROJECT NORTHWAY S/S GREAT NORTH ROAD (AT SOUTHBOUND) BALDOCK, SG7 5EX		
TITLE PROPOSED SITE LAYOUT		
DATE	02.09.25	
SCALE	1:200 @ A1	
JOB ID	2050	
DWG	23C	

Appendix 3

Swept Path Analysis



Proposed Site Layout Plan - Scale 1/500



Swept Path Analysis - GIST Delivery Vehicle - Scale 1/200

Notes

All levels are stated in metres.
This drawing is to be read in colour.
All dimensions are stated in millimetres unless noted otherwise.
Drawing provided for technical approval, NOT to be used for construction purposes.
DTP are not responsible for the accuracy of data provided by clients or third parties.
Specification of vehicle provided by applicant/operator.

Rev.

21/11/25

3/9/25

-

A

Architect Layout Update

First Issue

Revisions

SA

GS

Drawn

DYNAMIC

TRANSPORT

PLANNING

+44 (0) 7411 751 693

www.dynamictransportplanning.co.uk

enquiries@dynamictransportplanning.co.uk

Client

Welcome Break

Project

Proposed Food-To-Go Pod
Development, Northway Services,
A1 SB, Baldock

Drawing Title

Proposed Site Layout
Swept Path Analysis
Rigid Delivery Vehicle

Date

September 2025

Scale

As Specified @ A1

Drawn

GS

Approved

JB

Drawing Number

DTP/3712725/ATR001

Rev.

A