

Proposed Residential Development Land North of the B4354 - Y Ffor, Pwllheli

Transport Statement

Williams Homes (Bala) Ltd

250792

AUGUST 2025





SCP GENERAL NOTES

Project No.: 250792-TS (1.0)

Title: Land North of the B4354 - Y Ffor, Pwllheli, Transport Statement

Client: Williams Homes (Bala) Ltd

Date: 28 August 2025

Office: Manchester

AuthorOrla ProffittReviewerPeter Todd

Revision	Date	Status	Prepared by	Approved by
0	15.08.2025	Draft	OP	PT
1	28.08.2025	Issue	OP	PT

SCP (an RSK company) has prepared this report for the sole use of the client, showing reasonable skill and care, for the intended purposes as stated in the agreement under which this work was completed. The report may not be relied upon by any other party without the express agreement of the client and SCP. No other warranty, expressed or implied, is made as to the professional advice included in this report.

Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by SCP for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

No part of this report may be copied or duplicated without the express permission of SCP and the party for whom it was prepared.

Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

This work has been undertaken in accordance with the quality management system of SCP.



i

CONTENTS

1	INTRODUCTION	1
-	General	
	Structure of Report	
2	EXISTING CONDITIONS	
_	General	
	Site Location and Composition	
	Public Rights of Way	
	Local Highway Network	
	Road Safety	
3	PROPOSED DEVELOPMENT	
	Overview	6
	Proposed Access Arrangements	6
	Servicing	7
	Parking	7
4	ACCESSIBILTY	
	General	8
	Access on Foot	8
	Access by Cycle	9
	Access by Public Transport	10
	Summary	11
5	ANTICIPATED TRANSPORT IMPACT	12
	Overview	12
	Trip Generation	12
6	SUMMARY AND CONCLUSIONS	14

APPENDIX A - SITE LAYOUT

APPENDIX B - VISIBILITY SPLAY AND ACCESS ARRANGEMENTS

APPENDIX C - SWEPT PATH ANALYSIS

APPENDIX D - TRICS



1 INTRODUCTION

General

- 1.1 SCP have been instructed by Williams Homes (Bala) Ltd to provide transport planning and highways advice in relation to a proposed residential development, comprising of 27 dwellings, on land located to the north of the B4354 Y Ffor, Pwllheli.
- 1.2 This Transport Statement (TS) has been produced to support the planning application and demonstrate to the Local Planning and Highway Authority at Gwynedd Council (GC) that the development is satisfactory from a highway safety, traffic and access perspective.
- 1.3 An initial pre-application meeting took place with the highway officer in July 2025, where no concerns were raised in relation to the principle of the proposed development or access arrangements. The highway officer provided comments in relation to the proposed turning head arrangements, visitor parking and extent of adoption which has been positively address on the site plan.

Structure of Report

- 1.4 The structure of the report is summarised below:-
 - Chapter 2 describes in detail the site location and composition, local transport network and road safety record;
 - Chapter 3 defines the development proposals including the proposed access, servicing and car parking arrangements;
 - Chapter 4 considers the location of the site with regard to the existing local sustainable transport infrastructure;
 - Chapter 5 presents estimates of the trip generating potential of the proposed use of the site, along with a summary of impact of the development on the local network; and
 - Chapter 6 provides the summary and conclusions to the above chapters.



2 EXISTING CONDITIONS

General

2.1 This Chapter provides a detailed description of the location of the site and composition, local highway network and road safety record.

Site Location and Composition

- 2.2 The application site comprises undeveloped land located to the north of the B4354, within Y Ffor Village, approximately 3.2 miles north-east of Pwllheli and 6.4 miles west of Criccieth.
- 2.3 The location of the site in relation to the wider highway network is shown on **Figure 2.1** below.



Figure 2.1 – Site Location – Wider Highway Network

2.4 The location of the site in relation to the local highway network is shown on **Figure 2.2** below.



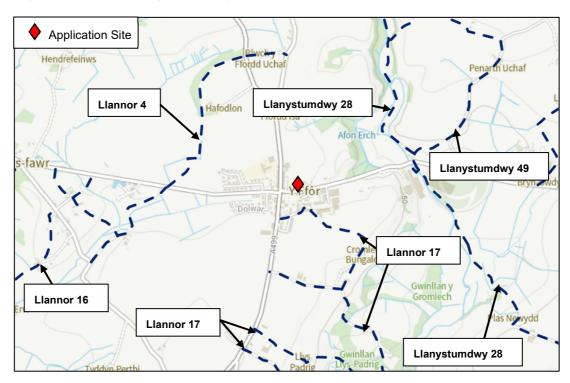
Figure 2.2 - Site Location - Local Highway Network



Public Rights of Way

2.5 The Public Rights of Way (PRoW) within the vicinity of the site are shown on **Figure 2.3** below:

Figure 2.3 - Public Rights of Way





2.6 As shown on **Figure 2.3** above, no PRoW run through the application site, although there are a number of PRoW that can be accessed from Y Ffor and local area. The PRoW surrounding the application site form part of a wider traffic free network of PRoW routes, providing recreational walking opportunities and links to a number of nearby areas.

Local Highway Network

- 2.7 The B4354 is located to the south of the site and provides a connection between the A499 in the west, at a priority controlled staggered crossroad junction, and Chwilog in the east. In the immediate vicinity of the site, the B4354 is subject to a 20mph speed limit and has a carriageway width of approximately 5.5m. On the northern side of the road, a footway is provided to the west of the site, with a continuous footway provided on the southern side of the road, as well as regularly spaced street lightning columns.
- 2.8 Traffic Regulation Orders (TRO), in the form of double yellow lines, are present along both sides of the B4354 in the vicinity of the site. In addition, bus stops are located around 65m to the west of the site.

Road Safety

2.9 In order to identify any critical locations on the network with a poor accident record, a review of accident data has been undertaken using the Department for Transport (DfT) data, for the most recently available 5-year period ending mid-2024 as shown on **Figure 2.4** below.

Figure 2.4 - Road Safety Record





2.10 **Figure 2.4** shows that there have been no accidents recorded within the vicinity of the site over the five-year study period. Only one accident has occurred at the A499 / B4354 junction, which was recorded with a 'slight' severity. On this basis, the local highway network in the vicinity of the site does not have any recurring highway safety problems that could be affected by the development proposals.



3 PROPOSED DEVELOPMENT

Overview

- 3.1 The development proposals are for a residential development, comprising 27 affordable dwellings, on land located to the north of the B4354, Y Ffor.
- 3.2 The site layout plans are presented in **Appendix A** and the schedule of accommodation is listed below:
 - 6 no.1 bedroom apartments
 - 12 no. 2 bedroom houses
 - 8 no. 3 bedroom houses
 - 1 no. 4 bedroom houses

Proposed Access Arrangements

- 3.3 Vehicular access to the development will be provided through the introduction of a new priority controlled junction off the B4354. The site access has been designed to typical residential standards and will provide a 5.5m wide access, 6m junction radii and a 2m wide footways on the western side of the road.
- 3.4 Plot 1 will take direct access from the B4354. This arrangement has been discussed with the highway officer who raised no objection to the proposed arrangement given that good levels of visibility are provided from the driveway, due to the wide verge, and the road is subject to a 20mph speed limit. In addition, number of existing properties already take direct access from the B4354 which, as demonstrated from the accident record has not resulted in any highway safety issues.
- 3.5 The site access provides visibility splays that have an 'x' (minor arm setback distance) of 2.4m and a 'y' (major road visibility) distance of 45m in both directions, which complies with the requirements set out in Technical Advice Note (TAN) Wales 18 Wales for a 20mph road.
- The proposed access arrangements, along with the achievable visibility splays are shown on Drawing Number SCP/250792/D01 presented in **Appendix B**.
- 3.7 Pedestrian and cycle access will be provided from the same location as vehicular access off the B4354. In addition, a new 2m wide footway will be provided along the sites frontage which will connect into the existing footway provision to the west of the site, with a dropped kerb and tactile paving also being introduced to allow pedestrians to access the footway on the southern side of the B4354.



Servicing

- The internal site layout has been designed to accommodate the movements of a large refuse vehicle and fire tender. Drawing number SCP/250792/ATR01, presented in **Appendix C**, shows the swept path analysis of a refuse vehicle and demonstrates that it can turn within the main turning head and exit in a forward gear. A smaller turning head has been provided at the north-western side of the site which will accommodate smaller delivery vehicles, such as supermarket and online deliveries. Swept path analysis of the smaller turning head with these design vehicles is shown on drawing number SCP/250792/ATR01, shows that this vehicle can also be accommodated within the site.
- 3.9 In addition to the above, the swept path analysis on drawing number SCP/250792/ATR02, presented in **Appendix C**, demonstrates that the movements of a fire tender can also be safely accommodated within the site.

Parking

- 3.10 The proposed development will provide a level of parking in accordance with GC's standards which are provided in the Wales Parking Standards 2014 SPD. The application site falls within zones 2-6 (includes all areas except city cores) which requires dwellings (houses and apartments) to provide 1 space per bedroom, with a maximum of 3 spaces. As shown on the site layout plan, contained in **Appendix A**, the proposed development provides a total of 49 spaces for residents, which is in accordance with the Council's maximum parking standards.
- 3.11 It should be noted that 2 spaces are proposed for the 3 bed properties and a total of 3 spaces for the 4 bedroom property. Again, this complies with the Council's maximum standards and is considered appropriate when having regard to the relatively low car ownership levels below, which show that only 16% of households in the area own three cars.

Table 3.1 – Car Ownership Data (2021 Census)						
No cars or vans in household	12%					
1 car or van in household	42%					
2 cars or vans in household	31%					
3 or more cars or vans in household	16%					

3.12 Visitor parking standard require 1 space per 5 units. However, it has been agreed with the highway officer, that a lower number of visitor spaces would be acceptable, which are shown between plots 17 and 18, and next to plot 27.



4 ACCESSIBILTY

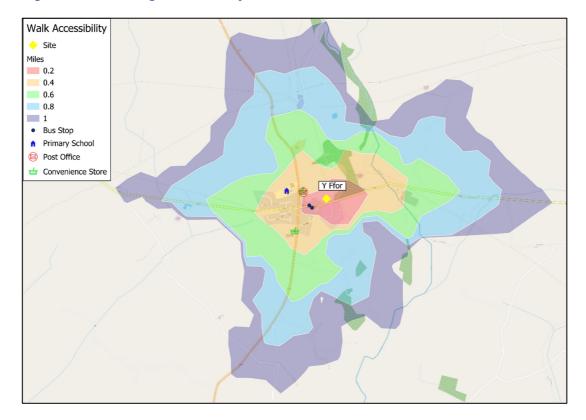
General

4.1 This Chapter presents a review of the accessibility of the site by walking, cycling and public transport modes.

Access on Foot

4.2 Reference has been made to the Walking and Cycling Strategy for Wales, dated December 2003, which indicates that the practical distance for journeys on foot are up to 1 mile. Industry standard GIS TRACC software has been used to assess the accessibility of the development by foot for a 1 mile walk distance from the site, as shown on **Figure 4.1** below.

Figure 4.1 - Walking Accessibility 1 Mile Isochrone



4.3 The site is located within Y Ffor Village Centre, and is within close proximity to some of the local facilities the village has to offer including a post office, primary school, convenience store and service station, as well as public transport opportunities.



- The local area benefits from street lighting and a pavement on the southern side of the B4354, as well as street lighting and natural surveillance from the houses that abut all the main walking routes. As previously mentioned, a new 2m wide footway will be provided along the sites frontage which will connect into the existing footway provision to the west of the site, with a dropped kerb and tactile paving also being introduced to allow pedestrians to access the footway on the southern side of the B4354.
- 4.5 Overall, the site benefits from reasonable levels of accessibility by foot, with some local facilities being within only a short walk from the site, allowing walking to be an alternative to private car use for prospective site users.

Access by Cycle

- 4.6 The Walking and Cycling Strategy for Wales identifies that "Cycling can offer viable and attractive alternatives" for short trips and as a substitute for shorted car journeys.
- 4.7 GIS TRACC software has again been used to assess the accessibility of the site by bicycle, for a 5 mile cycle distance and is shown on **Figure 4.2** below.

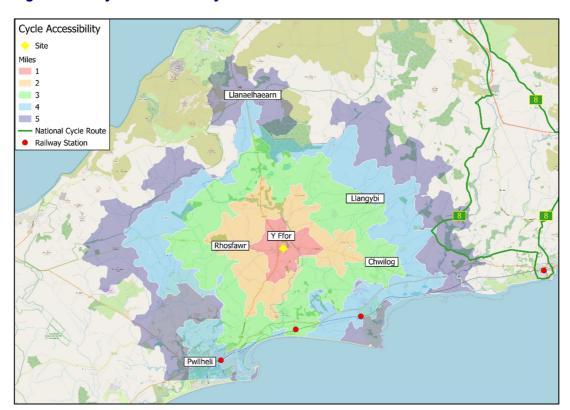


Figure 4.2 - Cycle Accessibility 5km Isochrone



- 4.8 The plan demonstrates that the nearby areas of Llangybi, Llanaelhaearn, and Rhosfawr, Chwilog and Pwllheli amongst others, are all located within the 5 mile catchment area from the development site.
- 4.9 As the application site is within an acceptable cycle distance of a range of areas, cycling is considered to be a viable alternative to private car use for prospective residents.

Access by Public Transport

Bus

- 4.10 The closest bus stops to the application site are located to the west of the site access, less than 0.1 miles (eastbound and westbound services) and is served by bus service 14. Bus service 14 offers a service from Pwllheli to Tudweiliog, via Y Ffor and Trefor, which has two services running per day Monday-Friday.
- 4.11 A further bus service, service 12, can be accessed from the A499, with bus stops (northbound and southbound services) located approximately 0.2 miles from the site access. Bus service 12 offers a service from Pwllhelli to Caernarfon, via Y Ffor and Trefor, every 60 mintues Monday to Saturday, with a limited service running on a Sunday.
- 4.12 Having regard to the above, prospective residents of the site will have access to bus services stopping within an acceptable walk distance from the site which provides access to key destinations such as Pwllheli and Caernarfon, at a reasonable frequency.

National Rail

- 4.13 In terms of rail services, Abererch Train Station is the closest station to the site and is located approximately 2.6 miles south of the application site. Abererch Train Station is within an acceptable cycle distance (12 minute journey). Abererch Train Station is managed by Transport for Wales and offers services between Pwllheli and Machynlleth, calling at a number of stations such as, Penychain, Criccieth, Porthmadog, Harlech, Pensarn, Llanbedr, Talybont, Barmouth, Fairbourne, Tywyn, Aberdovey, Penhelig and Dovey Junction, amongst others.
- 4.14 Abererch Train Station also offers a service between Pwllheli and Birmingham International, calling at the stations mentioned above, as well as stations such as Aberystwyth, Newtown (Powys), Welshpool, Wellington (Shropshire), Wolverhampton, Sandwell and Dudley and Birmingham New Street, amongst others.
- 4.15 Services between to Pwllhelli run approximately every 2 hours, with services to Machynlleth and Birmingham International running every 4 hours.



4.16 The level of accessibility by public transport has been analysed using GIS TRACC software to assess the accessibility of the site and is shown on **Figure 4.3** below. The figure illustrates the distance that can be travelled within 60 minutes by public transport to and from the site, which includes the time taken to walk to the bus stops.

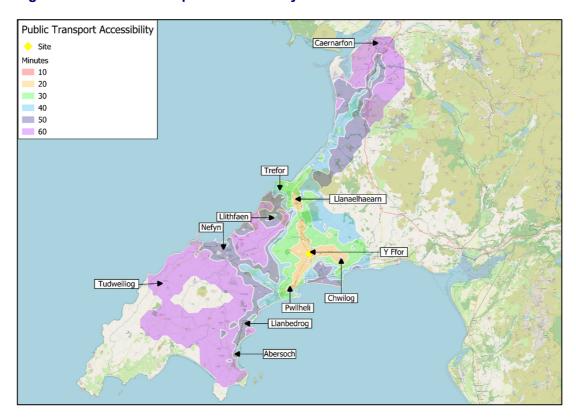


Figure 4.3 - Public Transport Accessibility

4.17 The above demonstrates that the site is within a close proximity to public transport links, serving both the local area and other destinations further afield. The figure shows that key areas of Nefyn, Trefor, Tudweiliog, Chwilog, Llanbedrog, Pwllheli and Abersoch, amongst others, are all within an acceptable 60-minute commute time.

Summary

- 4.18 Having regard to the above, it is considered that the site benefits from good levels of accessibility by sustainable modes. Access to the site on foot and by cycle is of a good standard and there are bus and train services available providing access to a range of local destinations.
- 4.19 These findings demonstrate that prospective residents will not be wholly reliant on the private car.



5 ANTICIPATED TRANSPORT IMPACT

Overview

5.1 This Chapter provides an estimate of the trips generated by the proposed development during the weekday AM and PM peak hours.

Trip Generation

- 5.2 In order to estimate the trip generating potential of the development, average trip rates from the industry-standard TRICS Database have been obtained. The selection criteria for the TRICS based trip rates is as follows:
 - i) Residential;
 - ii) Houses privately owned
 - iii) Multi modal surveys;
 - iv) Selection by number of dwellings (6 to 50);
 - v) Weekday surveys only; and
 - vi) Only sites in 'Neighbourhood Centre' locations have been selected.
- 5.3 The multi modal TRICS outputs for the proposed development are presented in **Appendix D** and are summarised in **Table 5.1** below.

Table 5.1 - Estimated Trip Rates Associated with the Development								
Mode	Weekday A	AM Peak Hour	Weekday PM Peak Hour					
	Arrivals	Departures	Arrivals	Departures				
Vehicles	0.152	0.367	0.290	0.157				
Cycles	0.008	0.028	0.025	0.033				
Pedestrians	0.105	0.329	0.102	0.083				
Pub. Trans.	0.105	0.028	0.028	0.011				



5.4 The estimated trip generation associated with the proposed 27 dwellings is therefore as summarised in **Table 5.2** below.

Table 5.2 - Estimated Trip Generation – (27 Dwellings)								
Mada	Weekday A	AM Peak Hour	Weekday PM Peak Hour					
Mode	Arrivals	Departures	Arrivals	Departures				
Vehicles	4	10	8	4				
Cycles	0	1	1	1				
Pedestrians	3	9	3	2				
Pub. Trans.	3	1	1	0				

- 5.5 As detailed above, it is estimated that the scheme will generate 14 two-way vehicle movements in the AM peak hour and 12 two-way vehicle movements in the PM peak hour. Volumetrically, this equates to around 1 additional vehicle movement every 4 to 5 minutes in both the AM and PM peak hours. The effect of this additional traffic on the local highway network will be barely perceptible during the peak hours and less so outside of the peak periods.
- 5.6 Having regard to the above, the proposed development is not anticipated to result in a material intensification of the local highway network and no further detailed assessment is required. The traffic impact of the scheme is therefore acceptable in planning terms.



6 SUMMARY AND CONCLUSIONS

- 6.1 SCP have been instructed by Williams Homes (Bala) Ltd to provide transport planning and highways advice in relation to a proposed residential development, comprising of 27 affordable dwellings, comprising a mix of 2, 3 and 4 bedroom dwellings, on land located to the north of the B4354 Y Ffor.
- 6.2 Vehicular access to the development will be provided by a new priority controlled junction off the B4354. The site access has been designed to typical residential standards and will provide a 5.5m wide access, 6m junction radii and a 2m wide footway on the western side of the road.
- 6.3 The site access provides visibility splays that have an 'x' (minor arm setback distance) of 2.4m and a 'y' (major road visibility) distance of 45m in both directions, which complies with guidance contained in TAN:18 Wales for a 20mph speed limit.
- A new 2m wide footway will be provided along the sites frontage which will connect into the existing footway provision to the west of the site, with a dropped kerb and tactile paving crossing also being introduced to allow pedestrians to access the footway on the southern side of the B4354.
- The personal injury accident data for the most recently available five year period has been reviewed and does not represent a material concern in the context of the proposed development.
- 6.6 It has been demonstrated that the development is sustainable with good accessibility to the site provided to those travelling by foot, bicycle and public transport.
- 6.7 It is estimated that the scheme will generate 14 two-way vehicle movements in the AM peak hour and 12 two-way vehicle movements in the PM peak hour. Volumetrically, this equates to around 1 additional vehicle movement every 4 to 5 minutes in both the AM and PM peak hours. The effect of this additional traffic on the local highway network will be barely perceptible during the peak hours and less so outside of the peak periods.
- 6.8 It is therefore considered that the application proposals are acceptable with regard to transport.

S|C|P APPENDIX A



K REVISED SITE BOUNDARY & 28/08/25 OR LAYOUT - APTS NOW REPOSITONED TO THE WEST J FFLS AND ROAD LEVELS 15/08/25 IO H PATH MOVED AWAY FROM 08/08/25 IO PLOT 27 G DATRYS COMMENTS 08/08/25 IO F WELSH TRANSLATION 01/08/25 IO E CLAWDD SHOWN ALONG 30/07/25 IO NORTHERN BOUNDARY. CHANGE IN MIX D FFL SHOWN 24/07/25 IO C STONE WALL + RAILING 21/07/25 IO ADDED PLOT 1-2 B NEW SITE LAYOUT WITH 17/07/25 IO FRONT POS A PATHS AMENDED TO 09/06/25 IO COMPLY WITH 1:60

THIS DRAWING IS THE COPYRIGHT OF AINSLEY GOMMON ARCHITECTS. CHECK ALL DIMENSIONS ON SITE. DISCREPANCIES TO BE NOTIFIED TO ARCHITECT. ELEMENTS OF STRUCTURE SHOWN ARE INJUCTATIVE AND FOR GUIDANCE. FINAL DESIGN TO BE AS STRUCTURAL ENGINEERS DETAILS AND SPECIFICATION.

PROSIECT/PROJECT

SITE AT Y FFOR for WILLIAMS HOMES

TEITL Y CYNLLUN/ DRAWING TITLE CYNLLUN SAFLE ARFAETHEDIG -PROPOSED SITE LAYOUT

| GRADDFA / SCALE | DYDDIAD/ | DATE | DRAWN | CHECKED | 1 : 500 @A2 | 29/04/25 | IO | SV DRAWING

STATUS

PLANNING

Rhif JOB No

ADOLYGIAD Rhif CYNLLUN /DRAWING No /REVISION C1136 008



AINSLEY GOMMON

THE OLD POLICE STATION, 15 GLYNNE WAY, HAWARDEN, CH5 3NS Tel: 01244 537 100 | wales@agarchitects.co.uk | www.agarchitects.co.uk Ainsley Gommon Architects Ltd. Registered in England & Wales No.4187948 Registered Office: 1 Price Street, Hamilton Square, Birkenhead CH41 6JN

S|C|P APPENDIX B



S|C|P APPENDIX C





S|C|P APPENDIX D

Calculation Reference: AUDIT-726001-250813-0852

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED **MULTI-MODAL TOTAL VEHICLES**

Selected regions and areas:

02	SOUT	TH EAST		
	ES	EAST SUSSEX	1	days
	MW	MEDWAY	1	days
	SC	SURREY	1	days
03	SOUT	TH WEST		
	SM	SOMERSET	2	days
04	EAST	ANGLIA		
	CA	CAMBRIDGESHIRE	1	days
	SF	SUFFOLK	1	days
05	EAST	MIDLANDS		
	DS	DERBYSHIRE	1	days
06	WEST	Γ MIDLANDS		
	WM	WEST MIDLANDS	1	days
80	NORT	TH WEST		
	AC	CHESHIRE WEST & CHESTER	. 1	days
09	NORT	ГН		
	IM	ISLE OF MAN	2	days

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

TRICS 7.11.4 160625 B22.1826025225 Database right of TRICS Consortium Ltd, 2025. All rights reserved Wednesday 13/08/25 Page 2

SCP York Street Manchester Licence No: 726001

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: No of Dwellings Actual Range: 8 to 42 (units:) Range Selected by User: 6 to 50 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included
Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 05/05/05 to 23/05/24

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 3 days
Wednesday 2 days
Thursday 3 days
Friday 3 days

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

Selected survey types:

Manual count 12 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 undertaking using machines.

Selected Locations:

Neighbourhood Centre (PPS6 Local Centre) 12

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

Selected Location Sub Categories:

Residential Zone 2 Village 10

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 Vehicles Counts:

Servicing vehicles Included 5 days - Selected Servicing vehicles Excluded 8 days - Selected

Secondary Filtering selection:

Use Class:

C3 12 days

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:

All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,000 or Less	1 days
1,001 to 5,000	7 days
5,001 to 10,000	1 days
10,001 to 15,000	2 days
25,001 to 50,000	1 days

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

Population within 5 miles:

5,000 or Less	1 days
5,001 to 25,000	1 days
25,001 to 50,000	3 days
50,001 to 75,000	1 days
75,001 to 100,000	2 days
100,001 to 125,000	1 days
125,001 to 250,000	1 days
250,001 to 500,000	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	7 days
1.6 to 2.0	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:

Yes	4 days
No	8 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 12 days

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

SCP Licence No: 726001 York Street Manchester

LIST OF SITES relevant to selection parameters

SEMI-DETACHED & TERRACED CHESHIRE WEST & CHESTER AC-03-A-05

MEADOW DRIVE NORTHWICH **BARNTON**

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 40

Survey date: FRIDAY 30/04/21 Survey Type: MANUAL **CAMBRIDGESHIRE**

CA-03-A-07 **MIXED HOUSES**

FIELD END **NEAR ELY** WITCHFORD

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 32

Survey date: THURSDAY Survey Type: MANUAL 27/05/21

DS-03-A-01 **DERBYSHIRE SEMI D./TERRACED**

THE AVENUE **DRONFIELD HOLMESDALE**

Neighbourhood Centre (PPS6 Local Centre)

Residential Zone

Total No of Dwellings: 20

> Survey date: THURSDAY 22/06/06 Survey Type: MANUAL

ES-03-A-06 **MIXED HOUSES EAST SUSSEX**

BISHOPS LANE RINGMER

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 12

Survey date: WEDNESDAY 16/06/21 Survey Type: MANUAL

IM-03-A-01 **MIXED HOUSES ISLE OF MAN**

BALLAKILLOWEY ROAD

COLBY

BALLAKILLOWEY

Neighbourhood Centre (PPS6 Local Centre)

Total No of Dwellings: 31

Survey date: TUESDAY 21/05/24 Survey Type: MANUAL

IM-03-A-02 **MIXED HOUSES ISLE OF MAN**

SHORE ROAD KIRK MICHAEL

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 27

23/05/24 Survey date: THURSDAY Survey Type: MANUAL

MEDWAY MW-03-A-01 **DETACHED & SEMI-DETACHED**

ROCHESTER ROAD **NEAR CHATHAM**

BURHAM

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: Survey date: FRIDAY

22/09/17 Survey Type: MANUAL **MIXED HOUSES SURREY**

SC-03-A-10 **GUILDFORD ROAD**

ASH

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings:

14/09/22 Survey date: WEDNESDAY Survey Type: MANUAL TRICS 7.11.4 160625 B22.1826025225 Database right of TRICS Consortium Ltd, 2025. All rights reserved Wednesday 13/08/25

SCP York Street Manchester Licence No: 726001

LIST OF SITES relevant to selection parameters (Cont.)

9 SF-03-A-06 DETACHED & SEMI-DETACHED SUFFOLK

BURY ROAD KENTFORD

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 38

Survey date: FRIDAY 22/09/17 Survey Type: MANUAL

10 SM-03-A-02 MIXED HOUSES SOMERSET

HYDE LANE

NEAR TAUNTON

CREECH SAINT MICHAEL

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 42

Survey date: TUESDAY 25/09/18 Survey Type: MANUAL

11 SM-03-A-03 MIXED HOUSES SOMERSET

HYDE LANE NEAR TAUNTON

CREECH ST MICHAEL

Neighbourhood Centre (PPS6 Local Centre)

Village

Total No of Dwellings: 41

Survey date: TUESDAY 25/09/18 Survey Type: MANUAL

12 WM-03-A-04 TERRACED HOUSES WEST MÍDLÁNDS

OSBORNE ROAD COVENTRY EARLSDON

Neighbourhood Centre (PPS6 Local Centre)

Residential Zone

Total No of Dwellings: 39

Survey date: MONDAY 21/11/16 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.

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

MULTI-MODAL TOTAL VEHICLES Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

Total People to Total Vehicles ratio (all time periods and directions): 1.98

	ARRIVALS			DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	12	30	0.072	12	30	0.279	12	30	0.351
08:00 - 09:00	12	30	0.152	12	30	0.367	12	30	0.519
09:00 - 10:00	12	30	0.155	12	30	0.204	12	30	0.359
10:00 - 11:00	12	30	0.135	12	30	0.188	12	30	0.323
11:00 - 12:00	12	30	0.191	12	30	0.155	12	30	0.346
12:00 - 13:00	12	30	0.135	12	30	0.152	12	30	0.287
13:00 - 14:00	12	30	0.182	12	30	0.160	12	30	0.342
14:00 - 15:00	12	30	0.157	12	30	0.163	12	30	0.320
15:00 - 16:00	12	30	0.257	12	30	0.191	12	30	0.448
16:00 - 17:00	12	30	0.238	12	30	0.163	12	30	0.401
17:00 - 18:00	12	30	0.290	12	30	0.157	12	30	0.447
18:00 - 19:00	12	30	0.276	12	30	0.119	12	30	0.395
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.240			2.298			4.538

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.]

Parameter summary

Trip rate parameter range selected: 8 - 42 (units:)
Survey date date range: 05/05/05 - 23/05/24

Number of weekdays (Monday-Friday): 12
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.

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

MULTI-MODAL CYCLISTS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS		DEPARTURES			TOTALS			
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	12	30	0.003	12	30	0.014	12	30	0.017
08:00 - 09:00	12	30	0.008	12	30	0.028	12	30	0.036
09:00 - 10:00	12	30	0.000	12	30	0.011	12	30	0.011
10:00 - 11:00	12	30	0.008	12	30	0.003	12	30	0.011
11:00 - 12:00	12	30	0.006	12	30	0.008	12	30	0.014
12:00 - 13:00	12	30	0.008	12	30	0.000	12	30	0.008
13:00 - 14:00	12	30	0.003	12	30	0.003	12	30	0.006
14:00 - 15:00	12	30	0.011	12	30	0.003	12	30	0.014
15:00 - 16:00	12	30	0.014	12	30	0.011	12	30	0.025
16:00 - 17:00	12	30	0.025	12	30	0.011	12	30	0.036
17:00 - 18:00	12	30	0.025	12	30	0.033	12	30	0.058
18:00 - 19:00	12	30	0.011	12	30	0.000	12	30	0.011
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00				·	•				
Total Rates:			0.122			0.125			0.247

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.

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

MULTI-MODAL PEDESTRIANS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	12	30	0.041	12	30	0.052	12	30	0.093
08:00 - 09:00	12	30	0.105	12	30	0.329	12	30	0.434
09:00 - 10:00	12	30	0.091	12	30	0.055	12	30	0.146
10:00 - 11:00	12	30	0.039	12	30	0.044	12	30	0.083
11:00 - 12:00	12	30	0.036	12	30	0.047	12	30	0.083
12:00 - 13:00	12	30	0.094	12	30	0.086	12	30	0.180
13:00 - 14:00	12	30	0.047	12	30	0.050	12	30	0.097
14:00 - 15:00	12	30	0.044	12	30	0.036	12	30	0.080
15:00 - 16:00	12	30	0.238	12	30	0.155	12	30	0.393
16:00 - 17:00	12	30	0.116	12	30	0.083	12	30	0.199
17:00 - 18:00	12	30	0.102	12	30	0.083	12	30	0.185
18:00 - 19:00	12	30	0.072	12	30	0.061	12	30	0.133
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.025	1.081				2.106	

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.

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

MULTI-MODAL PUBLIC TRANSPORT USERS Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	12	30	0.000	12	30	0.019	12	30	0.019
08:00 - 09:00	12	30	0.003	12	30	0.028	12	30	0.031
09:00 - 10:00	12	30	0.000	12	30	0.025	12	30	0.025
10:00 - 11:00	12	30	0.000	12	30	0.006	12	30	0.006
11:00 - 12:00	12	30	0.006	12	30	0.006	12	30	0.012
12:00 - 13:00	12	30	0.006	12	30	0.008	12	30	0.014
13:00 - 14:00	12	30	0.006	12	30	0.000	12	30	0.006
14:00 - 15:00	12	30	0.003	12	30	0.000	12	30	0.003
15:00 - 16:00	12	30	0.014	12	30	0.011	12	30	0.025
16:00 - 17:00	12	30	0.028	12	30	0.006	12	30	0.034
17:00 - 18:00	12	30	0.028	12	30	0.011	12	30	0.039
18:00 - 19:00	12	30	0.022	12	30	0.000	12	30	0.022
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00					•				
Total Rates: 0.116 0.120								0.236	

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.