



TY CAMBRIA,

Newport Road, Cardiff, CF24 0AD

TRANSPORT STATEMENT

Project No 26-281-20

Revision No 01

Issue date 10/08/26

Control Sheet

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1 INTRODUCTION

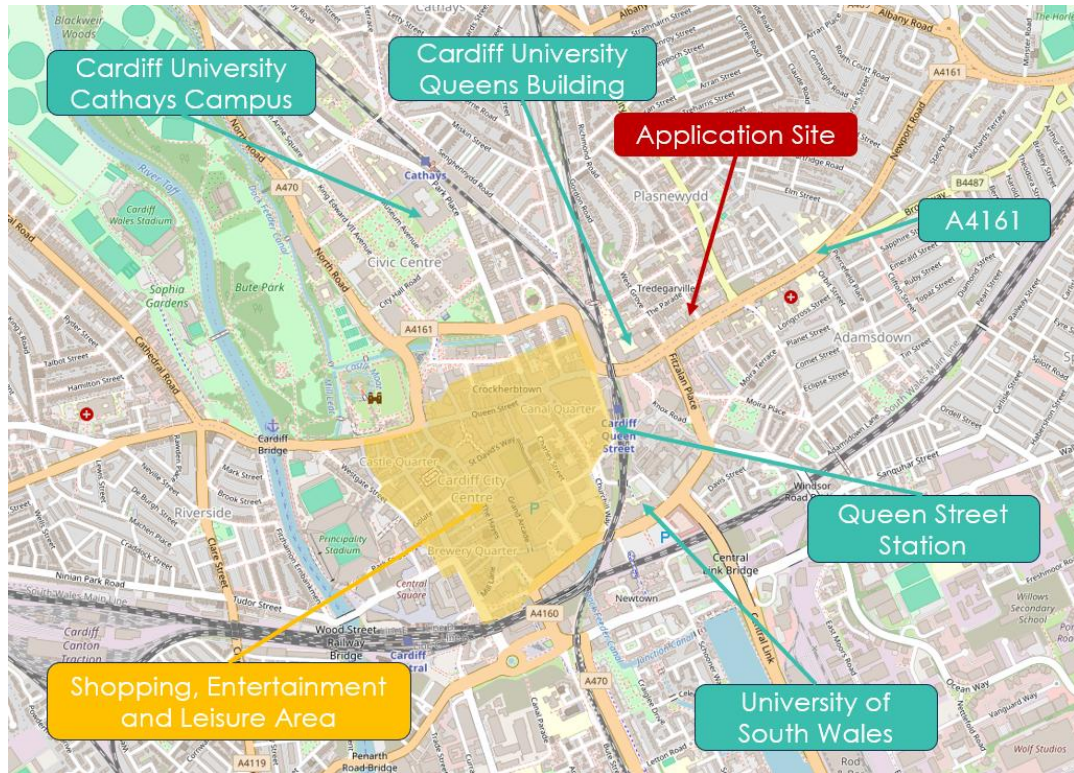
1.1 Introduction

- 1.1.1 Calibro has been appointed by Elite Cask Ltd (herein referred to as “the Applicant”) to provide an appraisal of the traffic and transport implications associated with the proposed demolition of the existing building and erection of new build Purpose Built Student Accommodation, ground floor commercial space (Use Classes A1, A2, A3, D1 and D2) and associated works on land at Ty Cambria House, Newport Road, Cardiff.
- 1.1.2 Given the highly sustainable town centre location in combination with the nature of the proposed development, the proposals incorporate a zero-car approach to maximise the sustainability of the site. However, a student drop-off strategy will be in place to safely and efficiently facilitate the arrival and departure of students at the start and end of academic periods.
- 1.1.3 This report has been prepared with the purpose of providing the Local Planning and Highway Authorities with an evidence base that demonstrates that the transport related development effects would not be severe or unacceptable, and that the site is highly accessible by sustainable modes. Therefore, consistent with the provisions of Planning Policy Wales (PPW) – Traffic Advisory Note (TAN) 18.

1.2 Site Context

- 1.2.1 The site is located in the centre of Cardiff, some 500-metres east of Cardiff Queen Street railway station and on the A4161 – Newport Road. The University of Cardiff – Queens Building is located circa 150-metres to the west, the main Cathays Campus is circa 1,100-metres to the west, with the University of South Wales circa 750-metres to the south-west. Allied to this, the primary shopping area of St David's is accessible some 400-metres to the west, whereby a plethora of shopping, eating, and entertainment amenities are accessible.
- 1.2.2 The application site is shown in its strategic context below.

Figure 1-1 Application Site in Strategic Context



- 1.2.3 In a local context, the site is bound by Newport Road (A4161) to the south, East Grove to the west and Parade Lane Service Road to the north, whilst the western boundary is defined by the Cardiff Sixth Form College. The site is situated within an area that is largely residential and Educational in nature, with access to amenities, such as shops, doctors and leisure facilities. The footway network in the surrounding area is extensive and of good standard, with a segregated cycleway on the Newport Road frontage of the site. The facilities ensure that the site has good connectivity via non-vehicular modes.
- 1.2.4 The application site is shown in its local context below.

Figure 1-2 Application Site in Local Context



1.3 Structure of the Report

1.3.1 The remainder of this report is structured as follows:

Section 2 - Development Proposals – This section of the report outlines the proposals with a particular focus on transport.

Section 3 - Non-Car Travel Credentials – This section of the report reviews the availability and quality of the various non-car travel networks and infrastructure accessible to the application site.

Section 4 - Local Highway Network - This existing car-borne travel credentials of the application site are considered within this section of the report. The includes a review of the surrounding highway network and its suitability to safely accommodate the limited vehicular trips associated with the proposed use.

Section 5 - Development Travel Demand – This section of the report considers the magnitude of the multi-modal trips effects generated by the proposed uses of the site, together with its potential significance in the context of the safe and efficient operation of the local transport network.

Section 6 - Student Drop-Off Strategy – This section of the report sets out key principles of the proposed Student Drop-off Strategy to be agreed with the Highway Authority in due course.

Section 7 - Summary And Conclusion – The findings of this report are summarised within this section and conclude that the proposals would be highly accessible by non-car modes and that the multi-modal trips generated by the development would be safely accommodated by the surrounding transport network.

2.2 Vehicular Access

- 2.2.1 To reflect the highly sustainable city centre location, the proposed development will operate as a car-free development.
- 2.2.2 Temporary arrangements are proposed to manage the arrival and departure of students safely and efficiently at the start and end of the academic years. The proposed arrangements are discussed at Section 6 of this report.

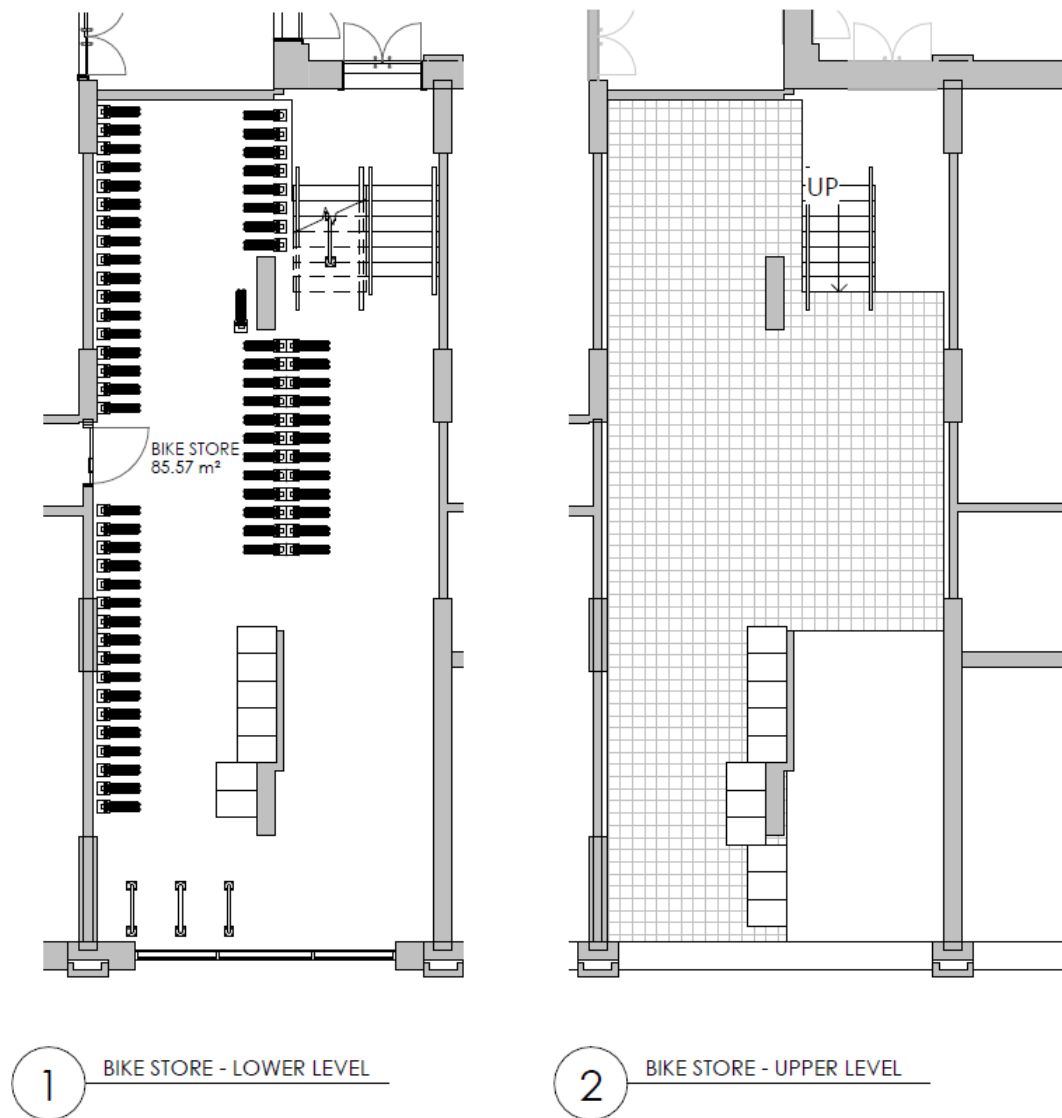
2.3 Non-Car Access

- 2.3.1 Pedestrian access to the development will be provided on Newport Road and East Grove - with separate accesses provided for the student accommodation and commercial unit. Newport Road affords circa 3.8-metre-wide pavements and East Grove circa 3.3-metre-wide pavements. All roads provide easy access to an array of day-to-day facilities such as local food stores, leisure and retail uses, as discussed within [Section 3](#) of this report.
- 2.3.2 The non-car design of the scheme will actively discourage the use of personal vehicles and will encourage means of sustainable travel. However, to further encourage sustainable travel, a Travel Plan will operate on-site to maximise walking and cycling as first tier modes of travel to key amenities and connect to further modes of travel such as bus and rail.

2.4 Cycle Parking Provision

- 2.4.1 The development has been designed to encourage sustainable travel by providing a cycle parking strategy that supports residents, staff and visitors.
- 2.4.2 A total of 210 secure cycle parking spaces will be provided across two dedicated cycle storage levels, representing provision for approximately 60% of the total student accommodation. The cycle stores are accessed via a secure controlled entrance and are conveniently located to encourage cycling as the primary mode of transport for residents.
- 2.4.3 The layout has been designed to accommodate a range of cycle types, recognising the increasing diversity of personal mobility. Provision includes spaces suitable for standard bicycles, larger or adapted cycles and cargo bikes, ensuring the facilities remain flexible and inclusive. A plan showing the draft cycle parking layout is shown below and to scale at [Appendix B](#).

Figure 2-2 Internal Cycle Parking Draft Layout



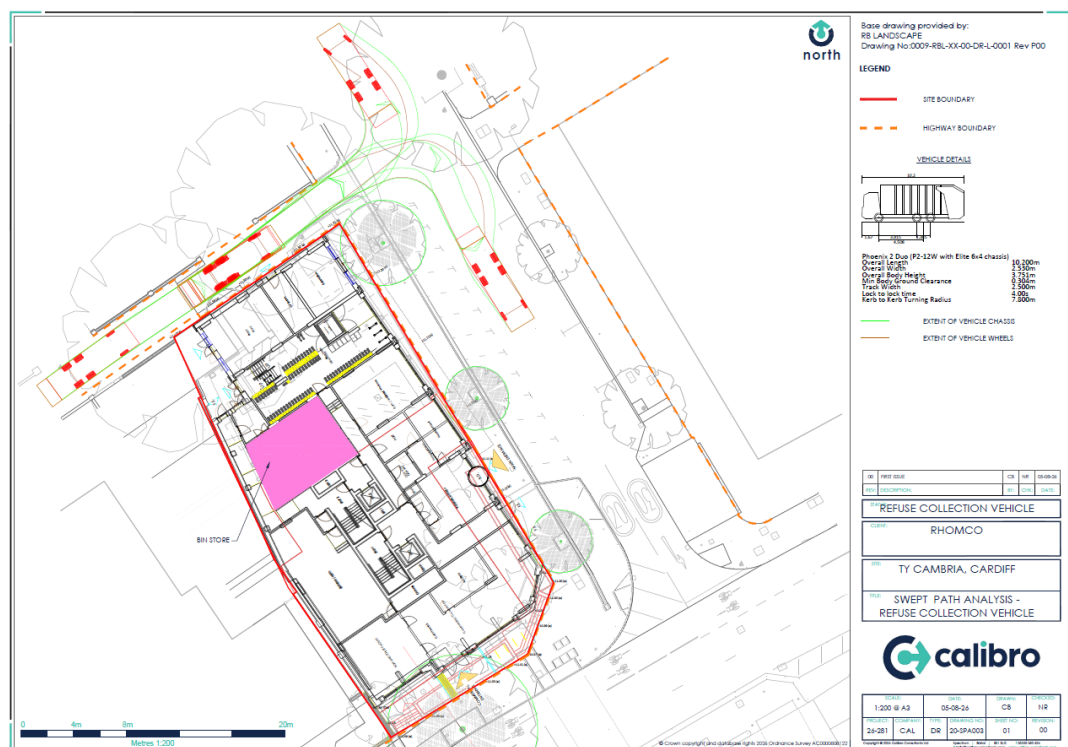
- 2.4.4 In addition to secure resident storage, external Sheffield stands are provided adjacent to the principal entrances to accommodate visitors, staff and short-stay parking. Locating these spaces within the public realm allows convenient access without compromising the security of the resident cycle stores and supports the active use of the commercial unit and surrounding streets.
- 2.4.5 The current provision has been developed as the maximum achievable provision within the constraints of the site. The cycle parking strategy complements the site's excellent connectivity to Cardiff's wider cycle network and the planned improvements to the Newport Road Corridor, reinforcing active travel as the preferred mode of transport for residents and visitors alike.

2.5 Servicing Arrangements

Refuse

- 2.5.1 Internal bin stores will be provided at the locations shown in [Figure 2-3](#) below to enable refuse collection to take place on-street from Parade Lane Service Road, which mirrors the existing arrangements of the extant office space at the site. The internal bin stores will be located set back from Parade Lane Service Road, allowing refuse collectors to gain direct access to the refuse stores. Access to the bin stores will be via a doorway in excess of 1.5-metres in width, whilst a dropped kerb/ramp will be provided to allow for the movement of bins between the storage areas and refuse vehicles. The location of the bin stores ensures that the collection operatives will not be required to move any bulk container more than 15.0-metres, which is less than the 25.0-metres outlined within the Cardiff Supplementary Planning Guidance – Waste Collection and Storage Facilities document.
- 2.5.2 Swept path analysis of a refuse vehicle is also shown in the [Figure 2-3](#) below and to scale at [Appendix C](#).

Figure 2-3 Bin Store Locations & Refuse Vehicle Swept Path Analysis



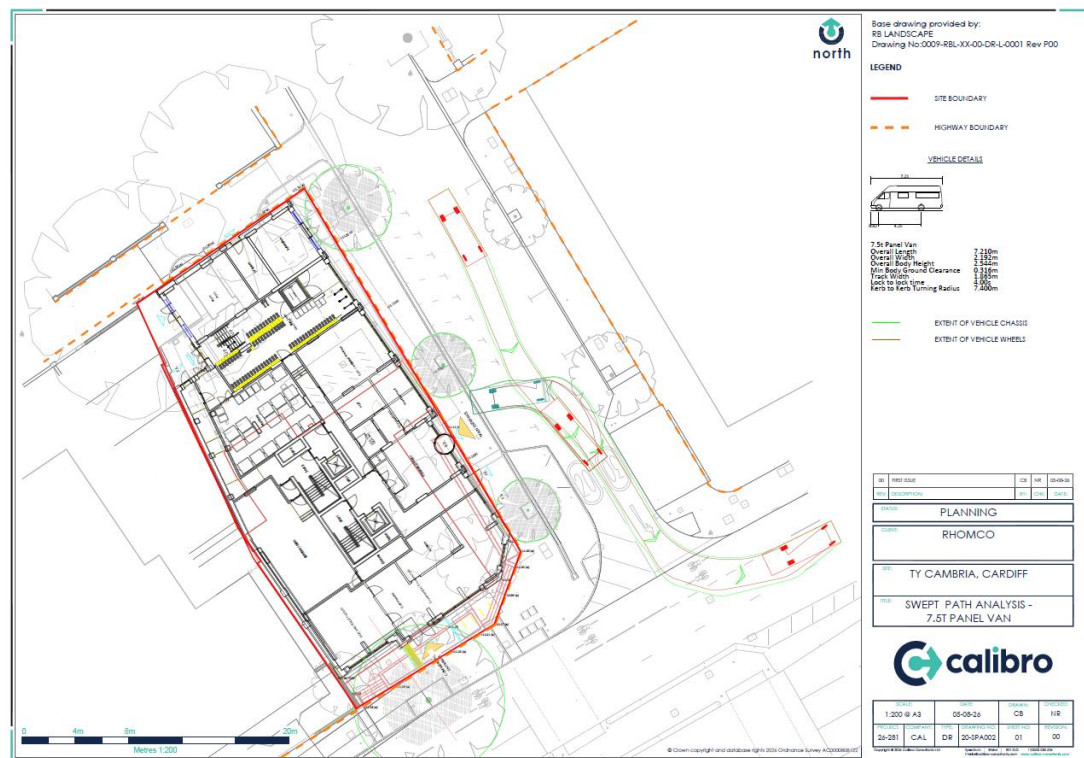
- 2.5.3 The above shows that refuse vehicles will enter via West Grove and access the refuse facilities located on the northern boundary of the unit. In accordance, to Cardiff Councils Waste Collection and Storage Facilities SPG, 'developments should be designed with suitable space to store waste which is within 25m of the collection point' as such refuse collection staff will be required to move the refuse containers from the internal bin store to the refuse vehicle parked on Parade Lane Service Road.

- 2.5.4 The vehicle will then exit via East Grove. As above, this route reflects the current operation of the site, with the additional occupiers in the locale also being serviced from Parade Lane Service Road.

Deliveries

- 2.5.5 Due to the nature of the Student Accommodation it is considered that the majority of deliveries will be undertaken by motorcycles, cars and small vans, to reflect take-away, food and Amazon deliveries. During discussions with Cardiff City Council Highways it has been agreed that a 3.5t box van/transit type vehicle should be considered as the design vehicle for deliveries.
- 2.5.6 It is expected that deliveries to the site would continue to utilise the current on-street car parking facilities on East Grove. Swept path analysis of a 3.5t box van delivery vehicle is also shown in the [Figure 2-4](#) below and to scale at [Appendix C](#).

Figure 2-4 Delivery Vehicle Swept Path Analysis



3 NON-CAR TRAVEL CREDENTIALS

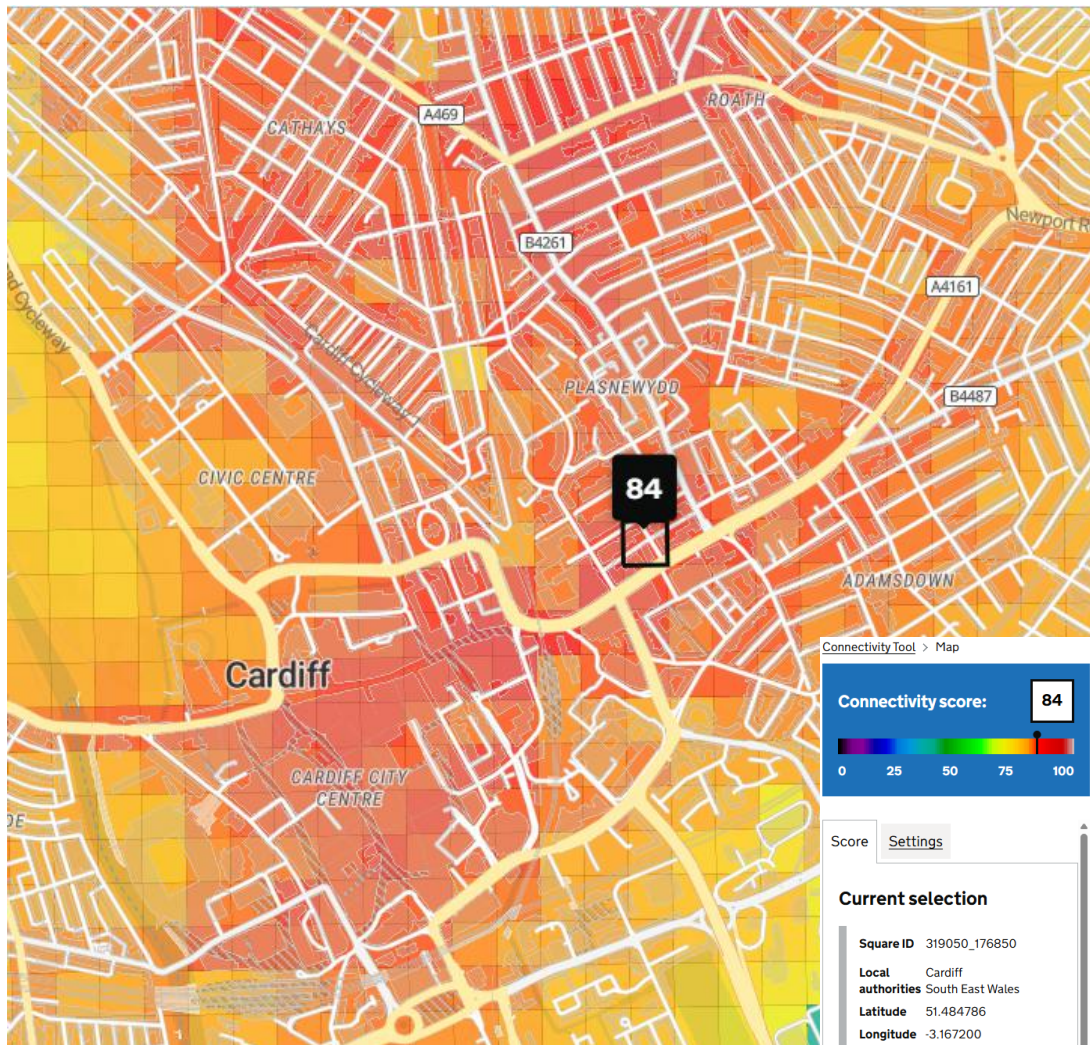
3.1 Introduction

- 3.1.1 This section of the report describes and critiques the availability and quality of the various travel networks accessible to the application site.
- 3.1.2 The non-car accessibility credentials of the application site have been considered in this section of the report by way of GIS-based modelling, using centralised travel networks and public transport data to identify the geographical catchment of each mode and the amenities located therein.
- 3.1.3 This report has been prepared with consideration to Planning Policy Wales (PPW), Traffic Advisory Note (TAN) 18 (2007) and Cardiff Council's Supplementary Planning Guidance (SPG) on Student Accommodation (2019).

3.2 Accessibility by Foot

- 3.2.1 The application site is highly connected to the surrounding area via a well-formed and extensive network of footways to the nearby bus stops, retail, and university areas which future residents will likely need to access on a daily basis.
- 3.2.2 Indeed, the site is directly connected onto East Grove, this is well maintained pedestrian footway that leads onto Newport Road to the South.
- 3.2.3 In addition to the site's city centre location and proximity to existing pedestrian infrastructure, the Department for Transport (DfT) Connectivity Tool interactive map shows how well a location is connected to everyday destinations (such as schools, shopping workplaces) through a heatmap. A score of 0 means poor connectivity, while a score of 100 means that the location is extremely well located to destinations.
- 3.2.4 The below figure shows a snippet of the overall walking mode to everyday destinations. Overall, the site has a score of 84, which illustrates that that the site has high level of accessibility to everyday destinations and well-connected, which supports the sustainable, car free nature of the development.

Figure 3-1 DfT Connectivity Tool Score for Site



3.2.5 Further to the above, the available infrastructure has been incorporated into an accessibility model to identify the geographical catchment area that would be accessible by foot. In this respect, it is noted that the NPPF does not define a catchment within which travel by foot is considered feasible. Therefore, the suggested maximum desirable walking distance of 2-kilometres, advocated within the document entitled 'Guidelines for Providing for Journeys on Foot' has been adopted.

3.2.6 Given its location within Cardiff City Centre, the application site is situated within a 2-kilometre walking distance of a wide range of facilities and amenities which may be required on a daily basis by future residents, some of which are listed in the below:

- Cardiff City Centre, including retail and leisure facilities.
- Tesco Express
- St David's Shopping Centre

- Sainsbury's Supermarket
- Cardiff Queen Street Railway Station

3.2.7 It is noted that Cardiff University Queens building is located 280-metres to the west, this equates to a 4-minute walk. Cardiff University Cathays Campus is located approximately 1,300 -metres to the north-west, this equates to an 18-minute walk. The University of South Wales main campus is located 8580-metres to the south-west, this equates to a 13-minute walk. Given the site's location in relation to these university facilities and the condition of the footways, journeys by foot would be the natural and preferred choice for most residents.

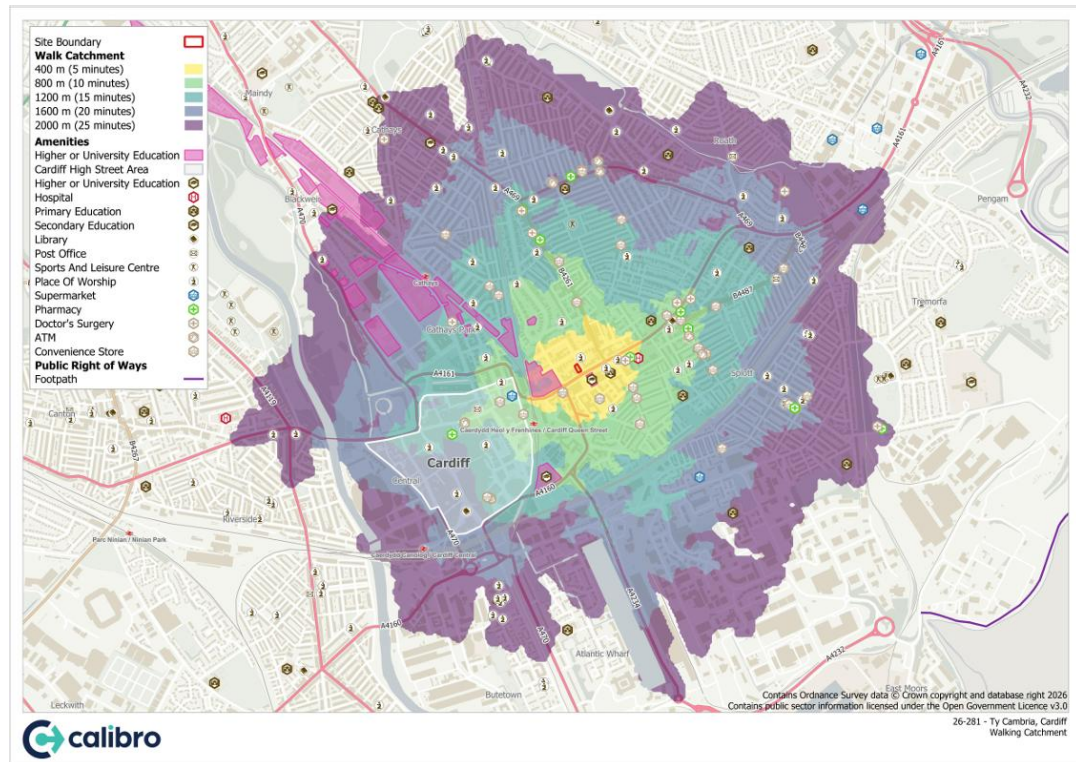
3.2.8 On the basis that the above amenities are all within the maximum desirable distances, as advocated the Institute of Highways & Transportation (IHT) guidance entitled *Guidelines for Providing for Journeys on Foot* (refer below), it is evident that the application site is located where it would afford future residents with the opportunity to walk to key local facilities.

- Maximum desirable distance to nearest bus stop = 400-metres.
- Maximum desirable distance to Town Centre = 800-metres.
- Maximum desirable distance to food shopping = 1-kilometre.
- Maximum desirable distance to all other uses = 2-kilometres.

3.2.9 The accessible areas within these thresholds have been identified by way of a GIS-based accessibility model which has been constructed with reference to the available travel infrastructure.

3.2.10 The resultant geographical catchment and the amenities located therein is shown in the figure below, whilst a larger scale plan is provided at [Appendix D](#).

Figure 3-2 Walking Catchment



- 3.2.11 The above catchment demonstrates that future residents of the site would be able to access a significant area of Cardiff including all extents of the city centre itself on foot, which offers a plethora of facilities and amenities.
- 3.2.12 Indeed, in accordance with BREEAM TRA02, [Table 3-1](#) has been included below to outline the walking distance to the closest of each amenity type specified.

Table 3-1 Distance to Amenities

Amenity Type	Local Amenity	Time to Walk (minutes)	Distance (metres)
Convenience Store	Tesco Express (Howard Gardens)	3	200
ATM	Tesco Express (Howard Gardens)	3	200
Outdoor Open Space	Cemetery Gardens	5	350
Recreation/Leisure Facility	The Gym Group (Cardiff City Centre)	8	500
Post Office	Cardiff Post Office (Queen Street)	9	600
Community Facility	Plasnewydd Community Hall (City Road)	8	550
Pharmacy	City Pharmacy (Cardiff Royal Infirmary)	5	300
Doctors Surgery	Four Elms Medical Centre (Cardiff Royal Infirmary)	5	300
Child Care/School	Green Giraffe Organic Day Nursery	1	100

- 3.2.13 The above table shows that several amenities are easily accessible within a close proximity to the site, the presence of well-maintained pedestrian infrastructure ensures that walking trips can be undertaken to access surrounding amenities quickly and safely.
- 3.2.14 The application site therefore Highly conducive to travel by foot in accordance with the requirements of local and national sustainable transport policies.

3.3 Accessibility by Bike

- 3.3.1 With regards to cycle infrastructure, the application site abuts a clearly defined and well-maintained two-way on-road cycle way running for approximately 1.8-kilometres between Beresford Road in the east of the city to HMP Cardiff to the south. The site is also located 700-metres south of another on-road cycle way running for approximately 2.9-kilometres between Cardiff City Centre and Pen-y-Land and Roath Park to the north.
- 3.3.2 Further to this, National Cycle Route 8 is accessible within some 950-metres of the site and connects Nantgarw to the north to Cardiff Bay and Cosmeston to the south and southwest respectively with a mix of traffic free and on-road links.
- 3.3.3 The presence of a Toucan crossing on the A4161 immediately outside the site, as well as the nature of the residential streets in the area, will encourage trips to and from the application site to be made by bike.

- Access **by** public transport which takes account of where the services go and the opportunities to access amenities located within the catchment areas served.

3.4.2 The site is very well served by local bus services, reflecting its location on the edge of the town centre.

3.4.3 In the case of the first criterion listed above, the application site is located approximately 40-metres from the nearest bus stops, which are situated on City Road, immediately to the north, with additional bus stops located on Newport Road, some 55-metres to the south-west of the site.

3.4.4 Further to the local bus services provided at the above stops, it is noted that multiple National Express and Megabus services operate from the Cardiff North Road stop approximately 1,300-metres to the west of the site. The Megabus services afford connectivity to destinations such as; London, Hull, Newcastle, and Swansea.

3.4.5 With regard to the second criterion, given the sites central location the stops are served by a wide range of services to various destinations within and outside of the city. Bus services operating from Newport Road to Cardiff University are shown below:

Table 3-2 Cardiff University Bus Services

Service	Route	Weekday			Saturday	Sunday
		Start	Freq. (mins)	Finish	Freq. (mins)	Freq. (mins)
Newport Road– Cardiff University						
9	Heath Hospital – Sports Village	06:00	12 to 20	22:50	20 to 60	20 to 60
	Sports Village – Heath Hospital	04:55	12 to 20	22:50	20 to 60	20 to 60
11	Pengam Green – Cardiff City	05:25	20 to 65	23:00	20 to 62	30 to 65
	Cardiff City – Pengam Green	04:59	20 to 63	22:25	20 to 63	30 to 65
45	St.Mellons – Cardiff City	05:46	10 to 30	23:10	10 to 30	15 to 50
	Cardiff City – St.Mellons	05:00	10 to 30	22:25	10 to 30	15 to 48

3.4.6 The bus route to Cardiff Metropolitan University requires a bus journey with one change, the routes used are the 9 between Newport Road and Cross Inn and the 1 & 2 between Cross Inn and UWIC. The frequency of the route 2 portion of the journey is shown below:

Table 3-3 Cardiff Metropolitan University Bus Services

Service	Route	Weekday			Saturday	Sunday
		Start	Freq. (mins)	Finish	Freq. (mins)	Freq. (mins)
Cardiff City Centre– Cardiff Metropolitan University						
1	Cardiff Met Llandaff – Cross Inn (clockwise)	05:46	20 to 60	18:35	60	No Service
2	Cross Inn – UWIC (anticlockwise)	05:30	20 to 60	19:35	60	No Service

Figure 3-4 AM Peak Stop Frequency



- 3.4.7 In line with the above, the latest local bus stop and service route data has been incorporated into a GIS-based accessibility model. This has been created to indicate the geographical catchment that is accessible within a 60-minute intermodal travel time, i.e., walk/bus/walk.

Figure 3-5 PM Peak Stop Frequency



3.4.8 As illustrated by the figures above, during the weekday morning and evening periods, there are an abundance of bus stops and bus services within a very close proximity to the site allowing for easy permeability around Cardiff and to wider areas in both the AM and PM for future residents of the site.

Figure 3-6 Morning Peak Bus Catchment

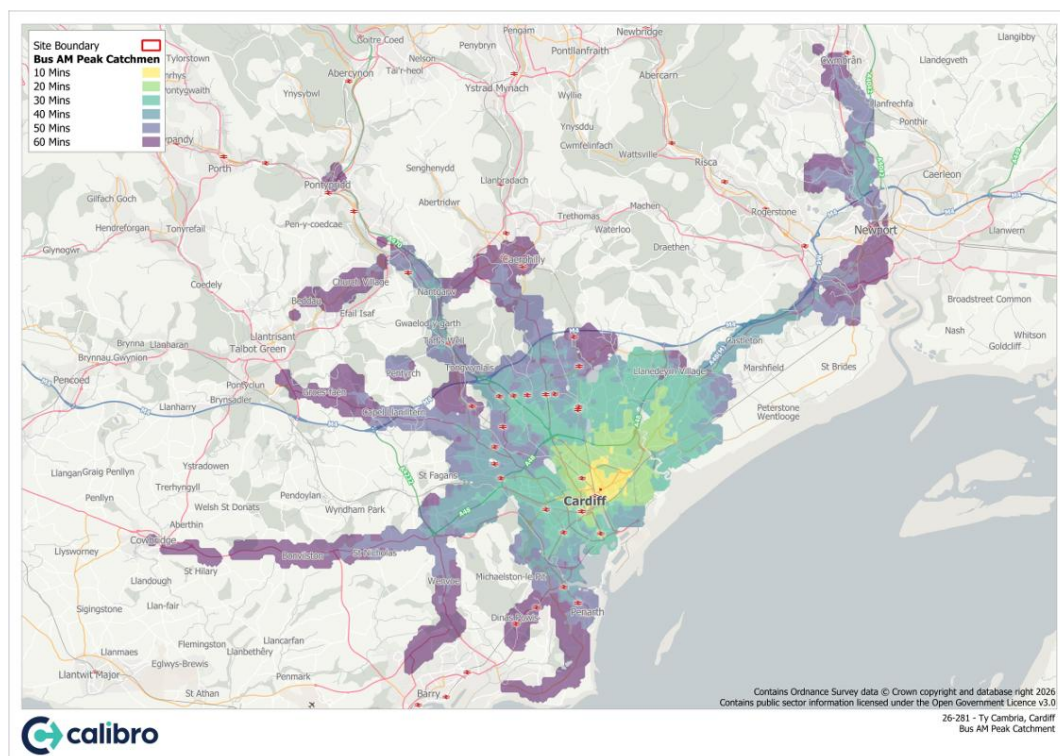
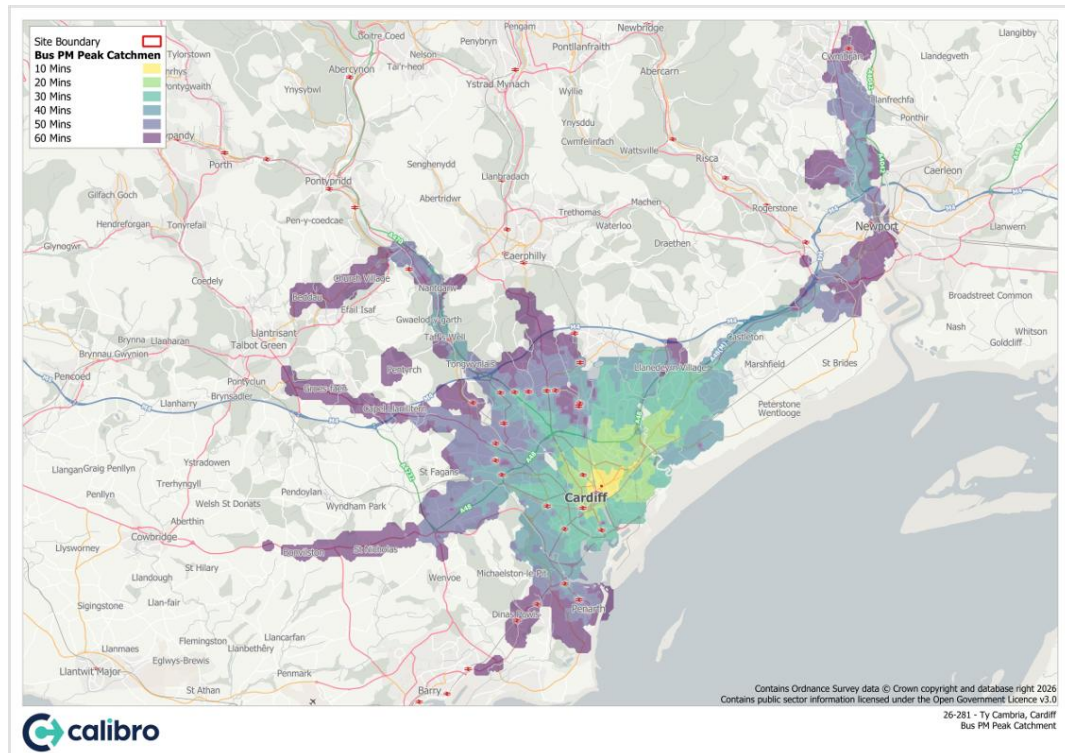


Figure 3-7 Evening Peak Bus Catchment



- 3.4.9 As illustrated by the figures above and also at a larger scale at [Appendix F](#), during the weekday morning and evening periods, a significant geographical area is accessible within an acceptable bus journey from the application site. Indeed, it would be possible for future residents to travel to the university as well as Newport, Cowbridge and Porth via bus.
- 3.4.10 On this basis, journeys by bus represents a genuine choice and viable mode of travel for future student residents of the site.
- 3.4.11 It should be noted that there are proposals to improve the bus facilities on the Newport Road corridor to provide dedicated bus lanes and improve travel time for passengers. The junction of Newport Road/East Grove will be part of the scheme and will include alteration to the existing junction to provide bus facilities. In addition, improved, modern signalised pedestrian/cycle crossing facilities will be provided, as well as the prevention of vehicles exiting East Grove onto Newport Road.

3.5 Accessibility by Rail

- 3.5.1 The application site is located approximately 750-metres walking distance from Cardiff Queen Street Railway Station and circa 1,800-metres from Cardiff Central. The former is well served by a range of services connecting to destinations across the region, including Cardiff Bay, Radyr, and Barry Island; with multiple services providing connectivity to Cardiff Central in approximately 5-minutes.
- 3.5.2 Cardiff Central Railway Station provides frequent connectivity to destinations such as, Bristol, Manchester, and London Paddington.

- 3.5.3 For students travelling to or from university at weekends or term start / end, this provides a genuine alternative to car, thereby helping to enhance the sustainability of the site.

3.6 BREEAM 2018 Tra01/02 Accessibility Index Calculator

- 3.6.1 In accordance with BREEAM TRA02 the Accessibility Index for the existing conditions is contained at [Appendix G](#) of this report, for context the summary table has been provided below.

Table 3-4 Tra01/02 Accessibility Index – Bus & Rail AI Score

Number of Nodes	Accessibility Index Score
9	37.41

4 LOCAL HIGHWAY NETWORK

4.1 Introduction

4.1.1 Since the proposed development will be car-free, this section of the report considers the road network immediately surrounding the application site that vehicles are likely to use during the drop-off and collection periods at the start and end of the academic year. The highway network study area therefore comprises the following junctions and links:

- A4161 – Newport Road
- West Grove
- The Parade
- East Grove

4.1.2 For context, the figure below indicates the study area highway network.

Figure 4-1 Local Site Context



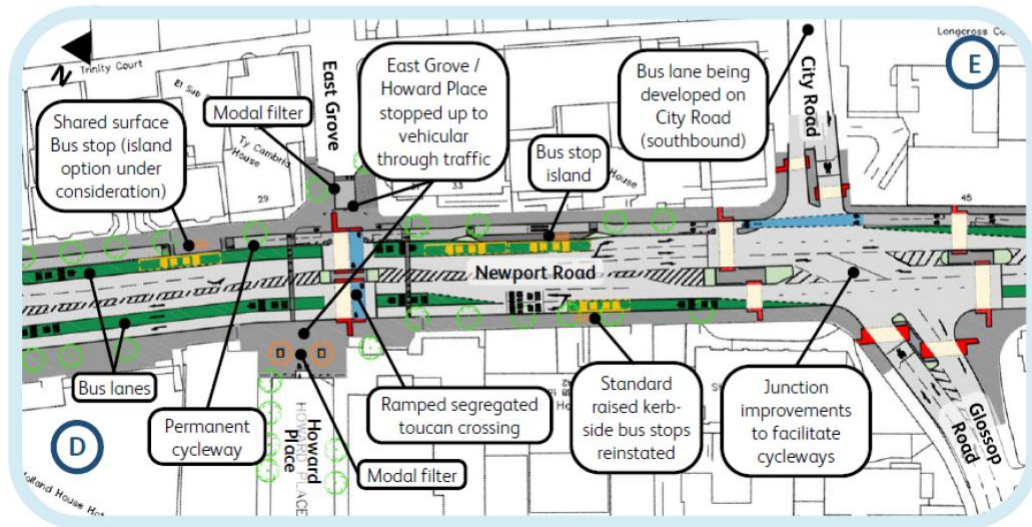
4.2 A4161 – Newport Road

- 4.2.1 The A4161 adjoins the site on its southern boundary and comprises a dual-carriageway road that runs in an east to west alignment. Newport Road has a two-way cycle lane on its northern side adjoining the footway from Elm Street down to West Grove, where it then crosses to road to the southern side until North Road. The cycleway measures circa 3.30-metres in width and the vehicular lanes are separated from the two-way cycle lane by bollards.
- 4.2.2 At the junction with East Grove, the south-east corner of the site, there is a left-out only give way junction. Just to the west of this junction is a signal-controlled junction incorporating a pedestrian and cycle crossing facility. The adjoining roads of East Grove and Howard Place, are primarily single carriageway roads. The junction is of modern design and can safely accommodate all permitted turning manoeuvres by all vehicle types.
- 4.2.3 Pedestrian movement is accommodated by high-quality footways on either side of the carriageway with a width of approximately 3.6-metres on both the northern and southern sides.
- 4.2.4 As mentioned within [Section 3](#) above, there are proposals to improve Newport Road to accommodate dedicated bus lanes in both directions. The proposals will include amendment to the existing junctions, including that with East Grove, these improvements will improve bus lane priority and include modern signalised crossing facilities for pedestrians and cycles, as well as a two-way cycle facility on the northern side of Newport Road. The connection from East Grove onto Newport Road will be stopped-up for vehicular traffic. An extract of the scheme 'Engagement Pack' produced by Cardiff City Council is provided within the figure below.

Figure 4-2 East Grove Junction Improvements



Cardiff to Newport Sustainable Transport Corridor Bus Corridor, Cycleway 2 and Controlled Parking Zones Concept design - West Grove / Newport Road / City Road



- 4.2.5 The existing arrangement of the A4161 – Newport Road and its junction with East Grove are considered to safely accommodate the volume and type of people movements anticipated with the proposed development. The proposed future improvements along this route would further enhance pedestrian, cycle and bus provision in the vicinity.

4.3 West Grove

- 4.3.1 West Grove is approximately 90-metres to the west of the site and comprises a single carriageway urban road orientated broadly in a north-south direction, providing a connection between A4161 - Newport Road and Richmond Road to the north. The carriageway is approximately 11.2-metres in width, accommodating four lanes with two lanes in each direction. The road is subject to a 20mph speed limit and includes double yellow lines in each side of the carriageway.
- 4.3.2 Continuous footways are provided on both sides of West Grove and generally measure approximately between 3.0 and 4.5-metres in width, providing a high-quality pedestrian environment appropriate to its city centre location. The route benefits from street lighting and a sheltered bus stop on the western carriageway. The footways connect directly with the wider pedestrian network serving Cardiff City Centre, nearby commercial premises and public transport facilities.

- 4.3.3 The junction of West Grove with A4161 - Newport Road is signal controlled and incorporates dedicated pedestrian and cycle crossing facilities with dropped kerbs and tactile paving across West Grove. On its northern approach to the A4161 - Newport Road, West Grove ahead movements and left turning vehicles are assigned to the left lane whilst the right lane is designated for right turns only.
- 4.3.4 Consequently, the junction is of a modern design and is capable of safely accommodating all permitted turning movements by all vehicle types, pedestrians and cyclists.

4.4 Parade Lane – Service Road

- 4.4.1 Parade Lane forms the northern boundary of the site and comprises a single carriageway service road orientated broadly in an east-west direction, providing a connection between West Grove to the west and City Road to the east. The carriageway has a variable width ranging from 5.0 to 5.5-metres and accesses the rear servicing and parking facilities for the frontage properties of Newport Road and The Parade. The road is subject to a 20mph speed limit.

4.5 The Parade

- 4.5.1 The Parade forms the northern link between West Grove and East Grove and comprises a single carriageway urban road orientated broadly in an east-west direction. The carriageway is approximately 6-metres in width and facilitates perpendicular parking on its northern side and parallel parking on its southern side.. The road is subject to a 20mph speed limit.
- 4.5.2 Continuous footways are provided on both sides of The Parade and generally measure approximately 2.5 to 4-metres in width, providing a high-quality pedestrian environment consistent with its city centre location. The route benefits from street lighting and trees on both sides of the carriageway, together with active frontage from surrounding commercial and residential uses.
- 4.5.3 At its western junction with West Grove and eastern junction with East Grove, The Parade forms a give-way crossroad arrangement, with vehicle movements accommodated through a conventional urban junction layout. Dropped kerbs and tactile paving are located at The Parade's junction arm to facilitate north to south pedestrian movements.
- 4.5.4 As such, The Parade safely and sufficiently accommodates the volume and type of people movements anticipated with the proposed development.

4.6 East Grove

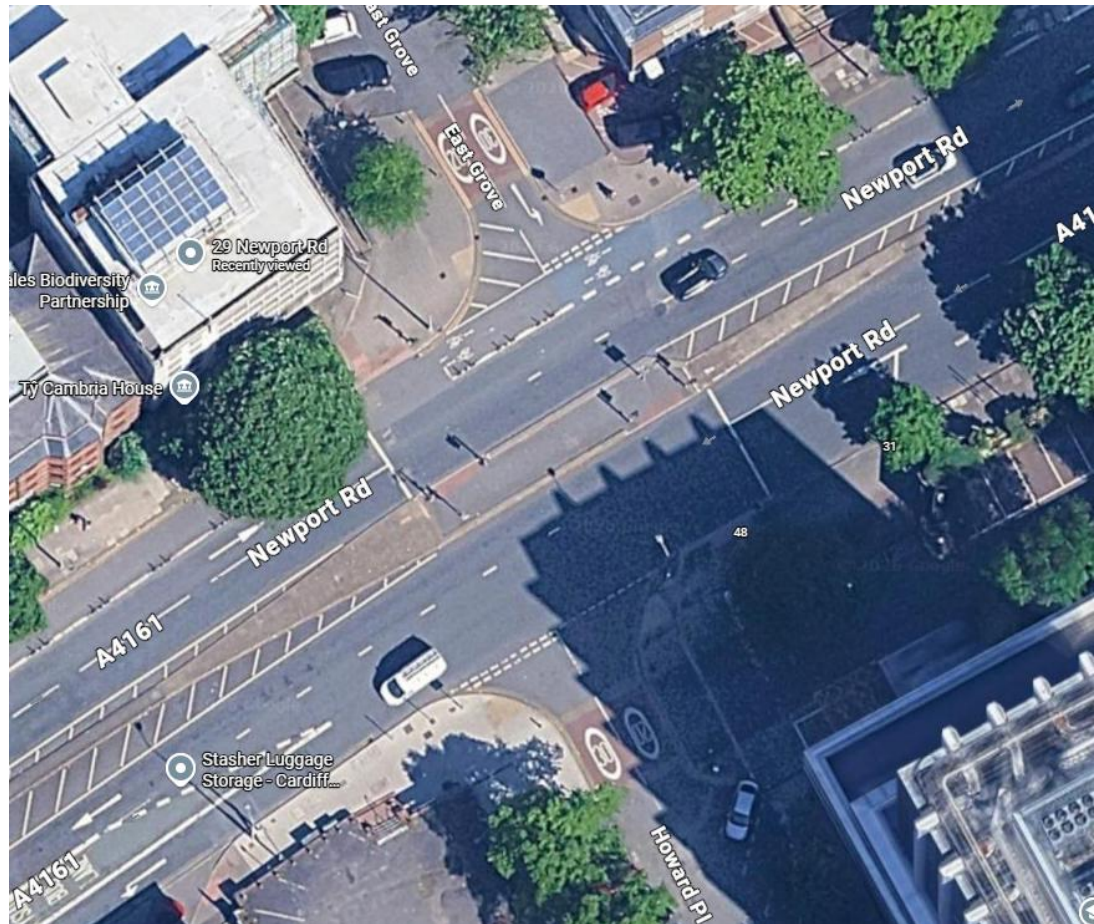
- 4.6.1 East Grove forms the eastern boundary of the site and comprises a single carriageway urban road orientated broadly in a north-south direction, providing a connection between A4161 - Newport Road and The Parade to the north. The carriageway is approximately 11.5-metres in width and facilitates perpendicular parking on its western side and parallel parking on its eastern side . The road is subject to a 20mph speed limit.
- 4.6.2 Continuous footways are provided on both sides of East Grove and generally measure approximately 3.0 to 7.2-metres in width, providing a high-quality pedestrian environment appropriate to its city centre location. The route benefits from street lighting. The footways connect directly with the wider pedestrian network serving Cardiff City Centre, nearby commercial premises and public transport facilities.

4.7 Crossing Facilities

A4161-Newport Road / East Grove Junction

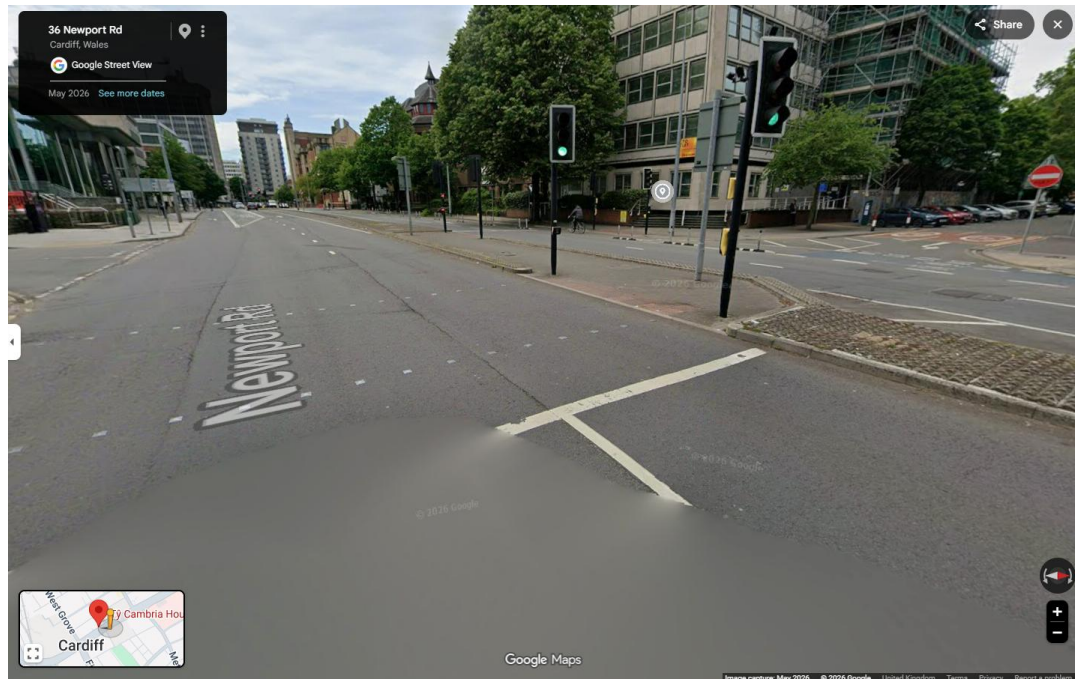
- 4.7.1 A toucan crossing is provided on Newport Road, just to the west of the junction with East Grove. The crossing facility is provided with dropped kerbs and tactile paving, with the junction illuminated to modern standards throughout. An aerial photograph of the complete junction is shown below.

Figure 4-3 A4161-Newport Road / East Grove Aerial Photograph



- 4.7.2 The Toucan crossing is provided immediately adjacent to the site and has a width of 6.0-metres with tactile paving and a central refuge. The refuge is 3.3-metres in width, and measures circa 20-metres in length and is part of the central refuge island between the east-west traffic lanes. The figure below shows the toucan crossing facility for context.

Figure 4-4 Newport Road Western Toucan Crossing



- 4.7.3 As previously outlined, it is the intention of Cardiff City Council to alter this junction so that it can accommodate bus lanes to improve journey times along Newport Road. The improvement of this junction is to be included within Phase 1a of the Cardiff to Newport Sustainable Transport Corridor, with construction likely to commence early 2027. It is understood that the existing crossing facilities will be modified such that the central refuge is removed and pedestrians and cyclists cross in a single stage. The improved crossing is proposed to be relocated immediately opposite the stopped-up junctions with East Grove and Howard Place and will be to modern design and safety standards.

Newport Road / West Grove / Fitzalan Place

- 4.7.4 Newport Road forms a signalised junction with West Grove and Fitzalan Place whereby five crossing facilities are provided – facilitating movement across all arms. All crossing facilities are provided with dropped kerbs and tactile paving, with the junction illuminated to modern standards throughout. Given the large number of crossings associated with the junction an aerial depiction of the complete junction is shown below.

Figure 4-5 A4161-Newport Road / West Grove / Fitzalan Place Aerial Depiction



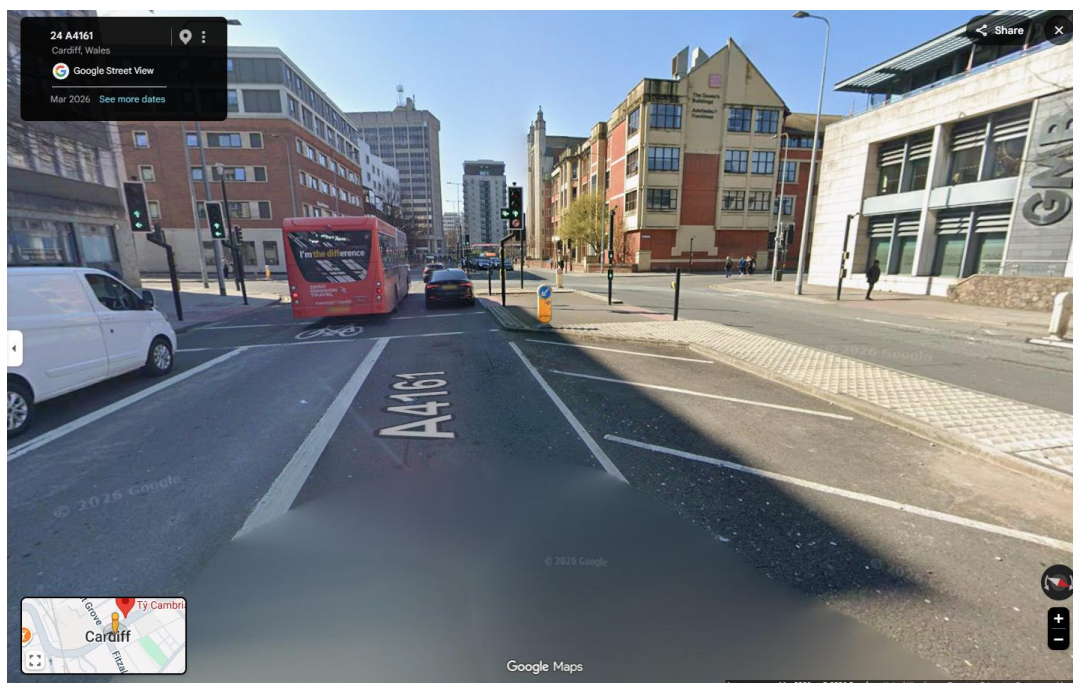
- 4.7.5 The northern crossing facility across West Grove is provided as a pelican crossing facility measuring 4.2-metres in width. The figure below shows the pelican crossing facility for context.

Figure 4-6 West Grove Pelican Crossing



- 4.7.6 The eastern arm of Newport Road (A4161) accommodates a pelican crossing, with a central refuge. The crossing is approximately 4.0-metres in width, whilst the refuge measures circa 10.0-metres in length and is part of the central reservation between the east-west traffic lanes. The figure below shows the pelican crossing facility for context.

Figure 4-7 Newport Road Eastern Pelican Crossing



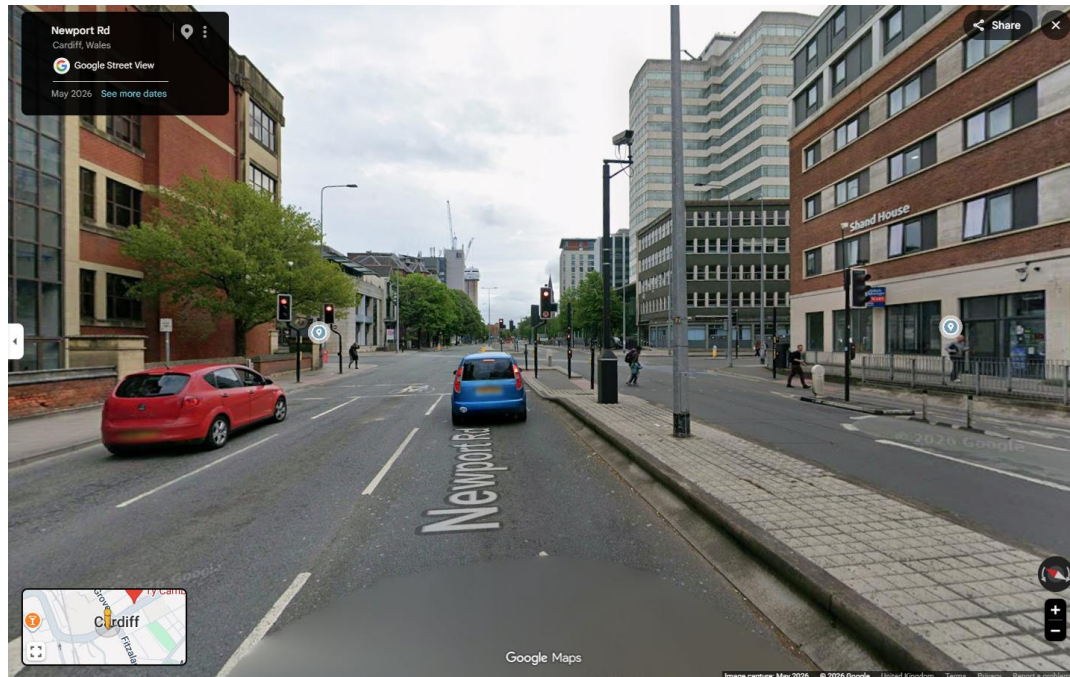
- 4.7.7 The southern crossing facility across Fitzalan Place is provided as a pelican crossing with a central refuge. The crossing is approximately 4.0-metres in width, whilst the refuge measures circa 10.5-metres in length and is part of the central reservation between the north-south traffic lanes. The figure below shows the pelican crossing facility for context.

Figure 4-8 Fitzalan Place Pelican Crossing



- 4.7.8 The western arm of Newport Road (A4161) accommodates a pelican crossing, with a central refuge. The crossing is approximately 4.2-metres in width, whilst the refuge measures circa 11.2-metres in length and is part of the reservation between the east-west traffic lanes. The figure below shows the pelican crossing facility for context.

Figure 4-9 Newport Road Western Pelican Crossing



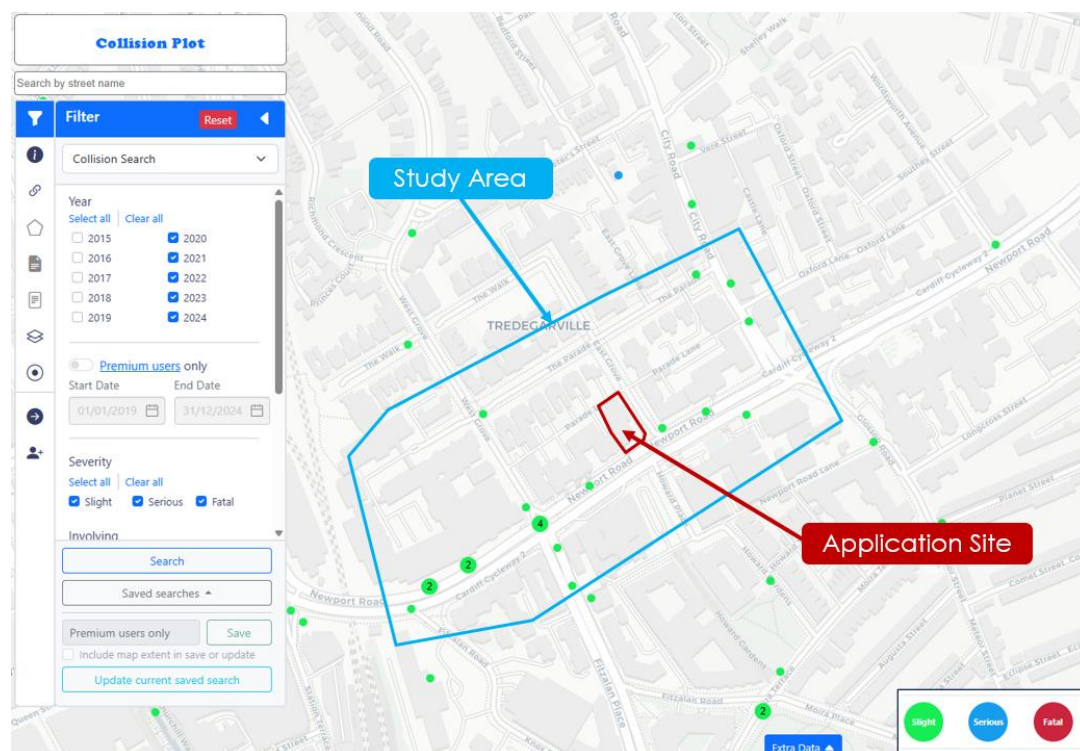
4.7.9 A cycle crossing facility is provided linking the cycleway on the northern side of Newport Road, to the east of the junction, to the southern cycleway to the west of the junction. The crossing is signal controlled and ensures that all vehicle movements are stopped whilst the cycle-crossing 'green' time is activated. The aerial photography of the junction, [Figure 4.5](#), clearly shows this facility.

4.7.10 As previously mentioned, it is the intention of Cardiff City Council to enhance this junction so that it can accommodate bus lanes to improve journey times along Newport Road. It is understood that crossing facilities for pedestrians and cyclists will be retained at the junction and will be to modern design and safety standards.

4.8 Highway Safety

4.8.1 In order to assess the safety performance of the existing highway network within the vicinity of the site, Personal Injury Collision (PIC) data has been obtained via collisionplot.co.uk for the most recent five-year period which is 2020 to 2024 inclusive.

Figure 4-10 Collision Plot Accident Data



- 4.8.2 As shown within Figure 4-9 above, a total of twenty PICs have occurred within the study area during the latest five-year period – which have been classified as 20 'Slight', zero 'Serious', and zero 'Fatal'.
- 4.8.3 It is evident from the above data that there are no PIC clusters or hotspots within the study area that indicate that the layout of the highway network is a contributory factor. Indeed, the number of PICs recorded across the study area is not considered to be uncommon in the context of highly trafficked urban routes.
- 4.8.4 In consideration of the car-free nature of the development; the table below provides a breakdown of the non-car mode personal injury accidents recorded within the most recent five-year period.

Table 4-1 Casualty Types

	Fatal	Serious	Slight	Total
Pedestrian	0	0	3	3
Cyclist	0	0	12	12

- 4.8.5 Ten of the accidents involving cycles were on the Newport Road corridor, and forms part of the Cardiff City Council's highway improvement scheme for improved cycle lanes, including improved facilities at junctions, as well as provision of bus lanes. As mentioned previously, the scheme is currently in the early stages, with the construction of Phase 1a, from North Road to just past West Grove, likely to start construction in early 2027. It is anticipated that the area around the West Grove junction is likely to be one of the first areas constructed and thus significant improvements to pedestrian and cycle safety are likely to be operational before the site is occupied. It should be noted that all of the PICs recorded were slight in nature, bearing in mind the vulnerable nature of pedestrians and cyclists this would suggest that the collisions occurred at low speeds.
- 4.8.6 On this basis, is not considered that the proposed development would result in a material adverse impact or increase in Personal Injury Collisions within the study area, and the Council enhancements provide a safety benefit.

4.9 Section Conclusion

- 4.9.1 The proposed development benefits from easy access to the local and strategic highway network which provides good links to local and regional centres.
- 4.9.2 The analysis above confirms that the adjoining public highway network is suitable to safely accommodate an increase in pedestrian and cycle movements generated by the proposed development, as well as the limited vehicle movements to and from the site. In addition, it is considered that there are no inherent highway safety risks in the existing operation of the network which would be exacerbated by the proposals.

5 DEVELOPMENT TRAVEL DEMAND

5.1 Introduction

- 5.1.1 The development proposals comprise the demolition of the existing multi-storey office space, known as Ty Cambria House, to form a mixed-use development of student accommodation and retail use.
- 5.1.2 In this context, the site has an extant trip generation potential which will serve to offset the relative effect of the proposed development. The existing development has car parking accessed off The Parade, whilst the proposed development will be car-free. Therefore, the proposal will considerably reduce vehicular movements generated by the site and would only likely increase the demand by non-car travel modes.
- 5.1.3 This section of the report considers the trip generation potential of the proposed developments to identify the magnitude of any change in demand by each non-car mode and the impact on the performance and safe operation of the surrounding highway network..

5.2 Extant Use Trip Generation

- 5.2.1 The site currently comprises a multi storey office building, providing a GFA of approximately 3,151 sqm in office space over seven floors. There is a vehicular access off the rear service road, The Parade , between East Grove and West Grove that serves 11 car parking spaces.
- 5.2.2 The trip generation potential of the extant office use has been determined by reference to the industry-standard database (TRICS 8.26.6) to determine the trip rate for similar sites throughout the United Kingdom. The EMPLOYMENT > OFFICE has been considered for the extant use. Sites within TOWN CENTRE and EDGE OF TOWN CENTRE areas were selected, with any sites in Ireland removed from the assessment.
- 5.2.3 The raw TRICS output data is provided at [Appendix H](#) in the report whilst the resultant trip attraction for the site is summarised below.

Table 5-1 Extant Trip Generation

Time Segment	Arrivals				Departures				Two-Way			
	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus
07:00-08:00	13	6	0	3	1	0	0	0	15	6	0	4
08:00-09:00	44	8	5	15	4	1	0	0	49	9	5	16
09:00-10:00	18	8	3	14	6	3	0	1	24	11	4	15
10:00-11:00	6	4	0	5	6	6	0	1	12	10	0	6
11:00-12:00	5	8	1	2	4	7	0	2	9	15	1	4
12:00-13:00	6	24	1	3	7	34	1	7	13	58	1	10
13:00-14:00	5	25	0	5	6	18	0	5	12	43	0	11
14:00-15:00	4	11	1	2	6	8	0	2	10	19	1	4
15:00-16:00	3	6	0	1	9	7	1	4	11	13	1	5
16:00-17:00	2	2	0	1	13	9	1	10	15	11	1	11
17:00-18:00	1	1	0	0	37	10	5	13	39	10	5	13
18:00-19:00	0	0	0	0	7	4	2	4	7	4	2	4
Total	107	102	11	51	107	105	11	49	215	207	21	100

- 5.2.4 The above table illustrates that the extant office uses on the site could be associated with up to 215 two-way car trips, with 207 two-way pedestrian and 100 public transport movements across the day.
- 5.2.5 A total of 95 arrivals with 58 car, 14 pedestrians and 19 public transport users are forecast during the AM peak period of 0700-0900. A total of 98 departures are forecast during the PM peak period, between 1600-1800, of which 51 are car, 18 pedestrians and 23 public transport users.
- 5.2.6 The proposed development comprises two trip generating functions - the 350-bedroom student accommodation with associated amenity space and 720sqm Café. Due to this being a car-free development the non-vehicular trip generating potential of the proposed development has been considered.
- 5.2.7 The industry standard TRICS (TRICS 8.26.6) database has been used to calculate an average trip rate derived from a number of sites similar to the development site, which have been selected based on a range of characteristics, such as geographical location, size and composition.

Proposed Student Accommodation Trip Generation

- 5.2.8 With regards to student accommodation, the RESIDENTIAL > STUDENT ACCOMMODATION category has been considered, selecting sites within TOWN CENTRE locations, and removing any sites in Ireland. Due to the non-car nature of all the student accommodation surveys within TRICS no adjustments were made to the observed mode-share.
- 5.2.9 Application of these trip rates to the proposed development quantum, 350 student units, results in the following trip generation:

Table 5-2 Proposed Student Accommodation Trip Generation

Time Segment	Arrivals				Departures				Two-Way			
	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus
07:00-08:00	0	2	0	2	0	5	1	6	0	7	1	8
08:00-09:00	0	2	0	4	0	17	1	29	1	20	2	33
09:00-10:00	0	3	1	4	0	14	3	23	0	17	4	28
10:00-11:00	0	5	0	6	0	13	1	20	0	18	1	26
11:00-12:00	0	8	0	8	0	12	1	15	0	20	1	23
12:00-13:00	0	9	0	10	0	11	1	17	0	20	1	27
13:00-14:00	0	12	1	13	0	14	1	14	0	26	3	28
14:00-15:00	0	11	1	14	0	12	0	13	0	23	1	27
15:00-16:00	0	15	2	18	0	11	1	11	1	26	3	28
16:00-17:00	0	16	1	19	0	9	0	8	1	25	1	27
17:00-18:00	0	18	1	24	0	10	1	10	0	27	2	34
18:00-19:00	0	16	2	17	0	8	1	8	1	24	4	25
Total	2	116	11	139	2	136	13	175	4	252	25	313

5.2.11 As shown above, the vast majority of trips associated with the proposed development are expected to be walking and bus trips, reflecting the city centre location and the application site's proximity to surrounding amenities and services. Indeed, some 268 arrivals to the site occur throughout the day, 116 of which are pedestrians and 139 public transport users. Some 326 departures are generated by the site, 136 of which are pedestrians and 175 are public transport users.

5.2.12 A total of 59 departures with 22 pedestrians and 35 public transport users are forecast during the AM peak period of 0700-0900. A total of 79 arrivals are forecast during the PM peak period, between 1600-1800, of which 33 are pedestrians and 43 are public transport users.

Proposed Cafe Trip Generation

5.2.13 With regards to the Commercial use it is proposed to have a flexible usage within the development. However, for the purposes of this assessment a Café use is considered to be the worst-case scenario with regards to total people movements. The industry-standard database (TRICS 8.26.6) to determine the trip rate for similar sites throughout the United Kingdom. The HOTEL, FOOD & DRINK > CAFE has been considered for the proposed use, as this was considered to be the worst-case within the proposed Class 1-3 use. Sites within TOWN CENTRE and EDGE OF TOWN CENTRE areas were selected, with any sites in Ireland removed from the assessment. Due to the non-car nature of the development, trip rates for ALL PERSON trips have been assigned to an adjusted mode-share.

5.2.14 Application of these trip rates to the proposed quantum, 160 sqm commercial use, of development results in the following trip generation:

Table 5-3 Proposed Café Use Trip Generation

Time Segment	Arrivals				Departures				Two-Way			
	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus
07:00-08:00	0	5	1	5	0	4	1	4	0	9	2	9
08:00-09:00	0	4	0	5	0	6	0	3	0	9	1	9
09:00-10:00	0	11	1	7	0	8	1	6	0	19	2	13
10:00-11:00	0	13	1	9	0	13	1	6	0	26	1	14
11:00-12:00	0	15	0	7	0	12	0	4	0	27	1	11
12:00-13:00	0	19	1	9	0	21	0	7	0	40	1	16
13:00-14:00	0	20	0	6	0	21	1	7	0	41	1	13
14:00-15:00	0	10	0	5	0	13	0	7	0	23	1	12
15:00-16:00	0	11	0	2	0	12	0	4	0	23	1	6
16:00-17:00	0	8	0	3	0	8	0	5	0	16	0	8
17:00-18:00	0	5	0	4	0	8	0	3	0	13	0	7
18:00-19:00	0	5	0	3	0	8	0	3	0	13	0	6
Total	0	127	5	64	0	134	5	59	0	260	10	123

- 5.2.16 As shown above, the vast majority of trips associated with the proposed Café use are expected to be walking and bus trips, reflecting the city centre location and the application site's proximity to surrounding amenities and services. Indeed, some 196 arrivals to the site occur throughout the day, 127 of which are pedestrians and 64 public transport users. Some 198 departures are generated by the site, 134 of which are pedestrians and 59 are public transport users.
- 5.2.17 A total of 20 arrivals with 9 pedestrians and 10 public transport users are forecast during the AM peak period of 0700-0900. A total of 25 departures are forecast during the PM peak period, between 1600-1800, of which 16 are pedestrian and 8 are public transport users.
- 5.2.18 The Café (leisure) use visitor trips are likely to be made by pedestrians as part of their city centre experience, as such trips for this use are likely to be associated with students who would already be accessing the site and people already within the area on shopping and leisure trips and would not be considered as new trips to the area.
- 5.2.19 When the above figures for both uses are combined it results in the following trip rates.

Table 5-4 Proposed Combined Trip Generation

Time Segment	Arrivals				Departures				Two-Way			
	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus
07:00-08:00	0	7	1	7	0	8	2	10	0	15	3	17
08:00-09:00	0	6	1	9	0	23	2	32	1	29	2	41
09:00-10:00	0	14	2	11	0	22	3	29	0	37	5	40
10:00-11:00	0	18	1	15	0	26	2	26	0	44	3	41
11:00-12:00	0	23	0	15	0	24	2	19	0	47	2	34
12:00-13:00	0	27	1	19	0	32	1	24	0	59	2	43
13:00-14:00	0	32	2	19	0	35	2	21	0	66	4	40
14:00-15:00	0	21	1	19	0	25	1	19	0	46	2	39
15:00-16:00	0	26	2	20	0	23	1	14	1	49	3	34
16:00-17:00	0	24	1	22	0	18	1	14	1	41	2	36
17:00-18:00	0	23	1	28	0	17	1	13	0	40	2	41
18:00-19:00	0	21	2	19	0	16	1	11	1	37	4	30
Total	2	242	16	203	2	270	18	233	4	512	35	436

5.2.20 As shown above, the vast majority of trips associated with the proposed development are expected to be walking and bus trips, reflecting the city centre location and the application site's proximity to surrounding amenities and services.

5.2.21 When the above figures for both existing and proposed uses are combined it results in the following trip rate differences.

Table 5-5 Trip Generation Differences

Time Segment	Arrivals				Departures				Two-Way			
	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus	Car	Walk	Cycle	Bus
07:00-08:00	-13	2	1	3	-1	8	2	10	-15	10	3	13
08:00-09:00	-44	-2	-4	-6	-4	22	2	32	-48	20	-2	26
09:00-10:00	-18	7	-2	-2	-6	19	3	28	-24	25	2	26
10:00-11:00	-6	14	1	10	-6	21	2	25	-12	34	2	35
11:00-12:00	-5	15	0	13	-4	17	1	18	-9	33	1	30
12:00-13:00	-6	4	0	16	-6	-2	0	17	-13	2	1	33
13:00-14:00	-5	7	2	14	-6	17	2	16	-11	24	4	30
14:00-15:00	-4	10	1	17	-6	17	0	17	-10	27	1	35
15:00-16:00	-2	21	2	18	-8	16	0	10	-10	36	2	29
16:00-17:00	-1	22	1	21	-13	9	-1	4	-14	31	0	25
17:00-18:00	-1	22	1	28	-37	8	-4	0	-39	30	-2	28
18:00-19:00	0	21	2	19	-7	13	-1	7	-7	33	2	27
Total	-105	140	6	151	-106	165	8	185	-211	305	13	336

5.2.22 It can be seen that the car free nature of the proposed development significantly reduces the number of vehicular trips and increases pedestrian and bus users.

5.2.23 Given the excellent quality of the pedestrian and cycle networks in the vicinity of the site and the programmed enhancements it is considered that the proposed student accommodation units will have no significant impact upon the existing facilities.

5.3 Section Conclusion

- 5.3.1 Based on the above, the multimodal trips associated with the proposed development are not considered material nor discernible in the case of highway safety or the capacity on the surrounding pedestrian and cycle network. The proposals are car-free and therefore would not result in a material impact upon the performance and operation of the surrounding highway network.
- 5.3.2 Consequently, the development effects cannot be concluded to give rise to cumulative impacts that are considered to be severe, and the proposals would thus meet the policy tests prescribed by Planning Policy Wales (PPW), Traffic Advisory Note (TAN) 18 (2007) and Cardiff Council's Supplementary Planning Guidance (SPG) on Student Accommodation (2019).

6 STUDENT DROP-OFF STRATEGY

6.1 Introduction

- 6.1.1 This section of the report outlines the various local parking constraints which prevent future residents of the site from owning or keeping a car nearby during their tenancy. It also sets out the proposed temporary suspension of a number of pay and display car parking spaces on East Grove and explains the unloading/loading strategy for the start and end of the academic year.

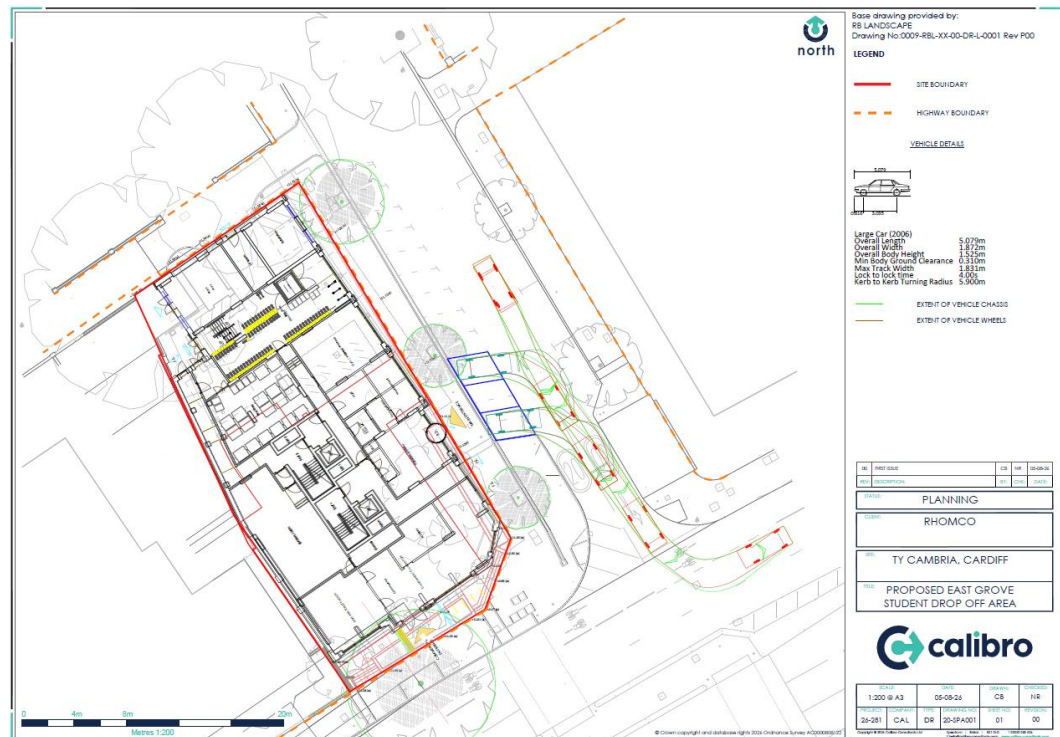
6.2 Student Parking Restrictions

- 6.2.1 Given the site's highly sustainable location within the City centre, close to a plethora of local amenities, education opportunities and public transport services there is an opportunity to provide a car-free development to reduce reliance on private-car travel and its associated effects on congestion and air quality, whilst also being entirely supportive of various active travel policies.
- 6.2.2 Crucially, the opportunities to access local amenities and travel by non-car travel modes is reinforced by the existing parking constraints in the locality which removes the opportunity for residents parking on surrounding roads.

6.3 East Grove Drop Off Area

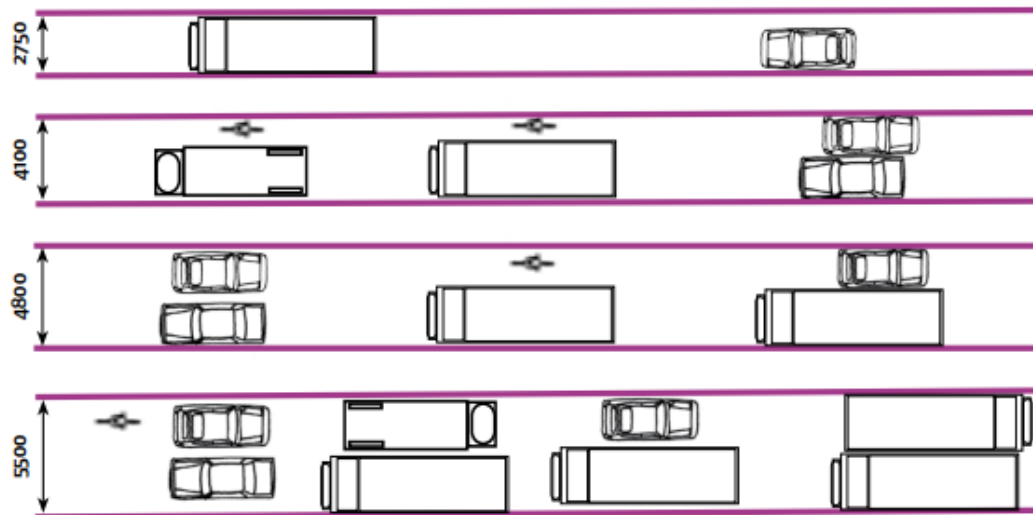
- 6.3.1 East Grove currently has short stay pay and display parking bays, ten of which are perpendicular to the highway immediately adjacent to the proposed student accommodation. Due to the short-stay nature of the existing car parking bays it is not considered that the student drop-off will differ from the current usage of these public bays. It is proposed to utilise four of the existing 10 bays for the purposes of student drop-off, thus ensuring that the spaces are available in close proximity to the accommodation entrance. It is intended to allow 3 vehicles to park within the 4 parking bays, thus giving each vehicle additional spaces to allow for efficient unloading of student luggage. The site operator will work with the Council regarding the temporary suspension of a number of pay and display bays for a limited period at the beginning of the university year. It is not anticipated that any special highway arrangements will be required to accommodate student drop-off vehicle flow.
- 6.3.2 The car parking spaces designated for student drop-off are shown within the figure below and to scale at [Appendix I](#). The plan also shows how the road width is wide enough to accommodate parked cars and a lorry passing, as this is the existing situation.

Figure 6-1 Proposed East Grove Student Drop Off Area



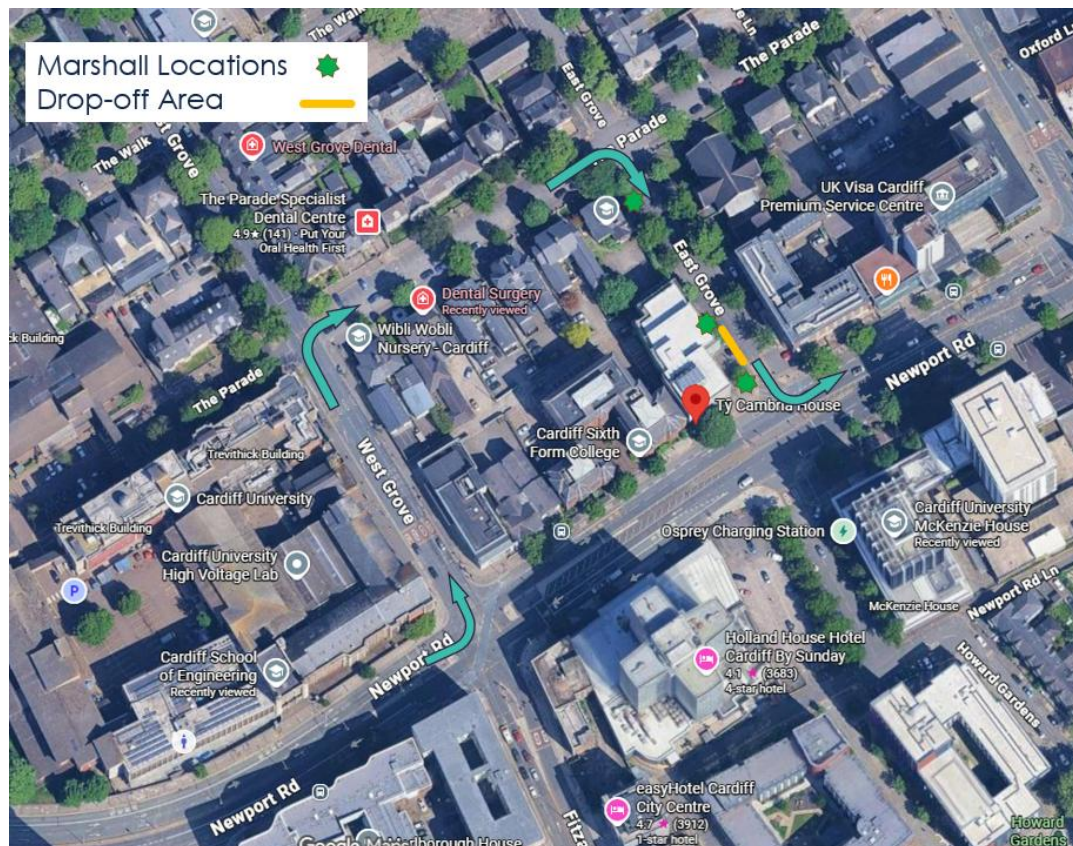
- 6.3.3 This loading area, and its approaches, will be fully marshalled during the drop-off process to ensure that only those students with the correct drop-off time slots are allowed within East Grove.
- 6.3.4 East Grove is subject to a 20mph speed limit. The carriageway width, immediately adjacent to the site, measures circa 5.6-metres in width, between the designated parking bays, which allows for two HGV's to pass side by side, as per Manual for Streets Figure 7.1, as shown in the figure below.

Figure 6-2 Accommodation of vehicles by street width (extracted from MfS)



6.3.5 The students utilising the East Grove loading area will be directed to arrive via West Grove and The Parade. Once their 15-minute delivery slot is completed they would then be directed to continue along East Grove, then left into Newport Road where they can continue to find public car parking if necessary. This drop-off route is shown in the below figure.

Figure 6-3 Drop-Off Routing



6.4 Student Drop-off and Collection Strategy

- 6.4.1 It is common for students arriving and departing at the start/end of the academic year to be assisted by parents/relatives given the quantity of personal belongings and household items they may bring on occupation of the development. Consideration therefore needs to be given with regard to the drop off and collection strategy to ensure it is managed effectively.
- 6.4.2 Indeed, the moving in process will need to be more carefully managed than the moving out process as students will move in over a more concentrated period of time. The moving out process is less intensive as this generally occurs over a number of weeks due to students on different courses finishing and moving out at different times. By restricting moving in trips to a shorter timeframe, the impact upon neighbouring uses will be mitigated.
- 6.4.3 The evidence provided within the Transport Statement and Travel Plan represents a robust assessment, evidencing that the moving in procedure could be accommodated over a two-weekend period.
- 6.4.4 For the purposes of the strategy set out below, it has been robustly assumed that each resident will generate a single car trip during their arrival and another for their departure at the start/end of the academic year. In this way, the student drop-off and collection strategy plan is for the management of 700 car trips (350 Arrivals and 350 departures) over a period of four days, over two weekends.
- 6.4.5 On this basis, students will be strongly encouraged to move in at a set date at the beginning of the tenancy, ensuring that the bulk of arrivals occur on two set weekends. For the purposes of providing a robust assessment, it is assumed that all students will arrive over the course of two weekends and the following management strategy, to minimise impact on surrounding area, is envisaged to comprise the following elements:

Prior Notification

- 6.4.6 Prior to arrival, each resident must complete a mandatory pre-induction process via a residents' online portal. This process will confirm the mode of transportation each resident will use to travel to the building. Based on the Applicant's experience of managing 10 student accommodation buildings over the previous 10 years they would expect between 40% - 55% of the residents to arrive by car. Information will be sent to all students that includes a map advising them on pedestrian access routes to the accommodation, arrival time, unloading strategy, and nearby public car parks. This will also take account of the distance travelled to ensure students with longer journeys do not have early arrival slots. Each resident must book a 15-minute time slot (as requested by the LHA) for arrival.

Step 1: Student Arrivals

- 6.4.7 Prior to arrival, students will be made aware of nearby public car parks to allow for safe parking off the public highway, whilst students check in and collect their keys. The three nearby public car parks are all located within a 10-minute walk from the development. The location of the local car parks are shown in Figure 6-5.

Figure 6-4 Local Public Car Parks



- 6.4.8 The walking times between each of the three closest public car parks shown above are as follows:

- NCP Cardiff Knox Road – 6 minute walk
- NCP Cardiff Dumfries Place – 6 minute walk
- APCOA Capitol Shopping Centre – 7 minute walk

- 6.4.9 Once checked in, the students will be advised to return to their vehicle to await their pre-agreed timeslot before starting their move in process.
- 6.4.10 There will be marshals in place along East Grove who will help to manage the process, ensuring students do not travel to the development prematurely ahead of their booked slot and also manage any delays that occur.
- 6.4.11 Temporary directional signage will be provided at key locations, including at the Newport Road/West Grove junction, West Grove/The Parade and the East Grove/The Parade junction.

Step 2: Student Drop-off / Collection

- 6.4.12 Time slots of 15-minutes will be allocated to students over the course of two weekends (four days) between 08:30 AM and 17:30 PM. This equates to a total of 9.0 hours of operation which would generate the opportunity for 36 vehicle drop-offs/collections per day, per space. With 3 allocated arrivals per time slot, this equates to 108 slots per day, or 432 slots over the four drop-off/collection days.
- 6.4.13 The developer is well versed in managing the arrival and pick-up strategy at the beginning and end of each academic year and can confirm that as porters are being provided during the drop-off process, with trolleys for luggage, the 15 minutes time slot for moving individual students into their rooms is more than adequate. A similar strategy is used at Fusion's Zenith building on Herbert Street, a 23-storey facility accommodating 674 students. The drop-off strategy used at Zenith also includes staff managing access to the drop-off area and porters to assist with unloading of vehicles. This process has shown that the 15-minute time slot can be utilised by students at the highest levels of the development during the arrival process. Therefore, it is considered that the proposed 15-minute slots are also suitable for the proposed building with fewer storeys. Therefore, a 15-minute time slot should provide the council with comfort that this is a working strategy. Students will be assisted by onsite personnel to ensure that the move in process is without undue delay.
- 6.4.14 Disabled access drop-offs will be provided with 30-minute allocations slots being used, these residents will drive directly into a bay and collect their keys and drop off their belongings at the same time.
- 6.4.15 The table below shows that the time slot of 15-minutes combined with the four days of drop-off result in spare capacity of parking spaces. It should also be pointed out that this is considered a worst-case scenario, as it assumes that all students will be arriving by car. Once agreed, this strategy will be included within the final Travel Plan.
- 6.4.16 The calculations for the unloading time times set out above are shown in the table below.

Table 6-1 Unloading Times Calculations

Proposed Max Time Slot (minutes)	15
Maximum Vehicles Unloading at Once	3
Number of Vehicles per Hour	12
Drop off slots per day (9.0 hours of operation)	108
Number of days	4
Max Number of Vehicles over the four days	432
Spare Capacity	82

- 6.4.17 Students will be able to unload their belongings from their cars in the designated 15-minute slot. Porters with trolleys will be ready to transport students' belongings to their flat/rooms and minimise the amount of time that cars are parked.

Step 3: Post Drop-off

- 6.4.18 The marshals, outlined previously, will be in place to ensure pedestrian movement happens safely and efficiently. They will also ensure that drop-off vehicles exit the area safely and do not overstay their allotted drop-off times.
- 6.4.19 As referenced earlier in this report, the proposed approach described above will be agreed with the Highway Authority ahead of occupation to ensure the smooth transition of residents into the development can be achieved with minimal impact on the local highway authority.

7 SUMMARY AND CONCLUSION

7.1 Report Summary

7.1.1 Calibro has been appointed on behalf of the Elite Cask Ltd to consider the traffic and transportation implications of a proposed purpose-built student accommodation development of circa 350 bedspaces and ancillary on-site land uses at a site at Ty Cambria House, Cardiff. To this end, this report has considered the various transport-related effects, and its findings may be summarised as follows: -

- a) The proposed development comprises a purpose-built student accommodation facility of 350 bedspaces and 160 sqm Café space. Due to the car-free nature of the development no car parking spaces will be provided, as agreed with the LHA through the scoping process.
- b) The non-car travel credentials of the application site have been reviewed with the creation of a GIS-based accessibility model for the area, which has determined the accessible catchments for walking, cycling, and public transport, along with the various amenities contained therein. The report concludes that the Application Site is in a highly accessible and well-connected location that affords significant opportunity to travel to a range of destinations by a choice of non-car modes, in accordance with sustainable transport policies.
- c) The surrounding highway network has also been appraised, with the review concluding that it adheres to existing guidance and would be of a suitable standard to safely accommodate the limited number of vehicular trips associated with the scheme inclusive of the small number of vehicular trips generated by service and maintenance vehicles.
- d) The trip generation potential of the proposed development has been forecast with the use of the industry standard TRICS database. Given the non-car nature of the proposals, the trip generation potential has been considered for non-car modes only.
- e) It is considered that the existing footway and cycleway provision will be of a sufficient standard to safely accommodate pedestrian and cycle trips generated by the application site. It is therefore unlikely that any material impact would be created on the adjoining non-car network.

- f) The report has also identified the principles of a student travel management strategy that would be put in place at times when residents would be moving in and out of their accommodation at the beginning and end of the academic year.. This management strategy would minimise the impact on surrounding roads.

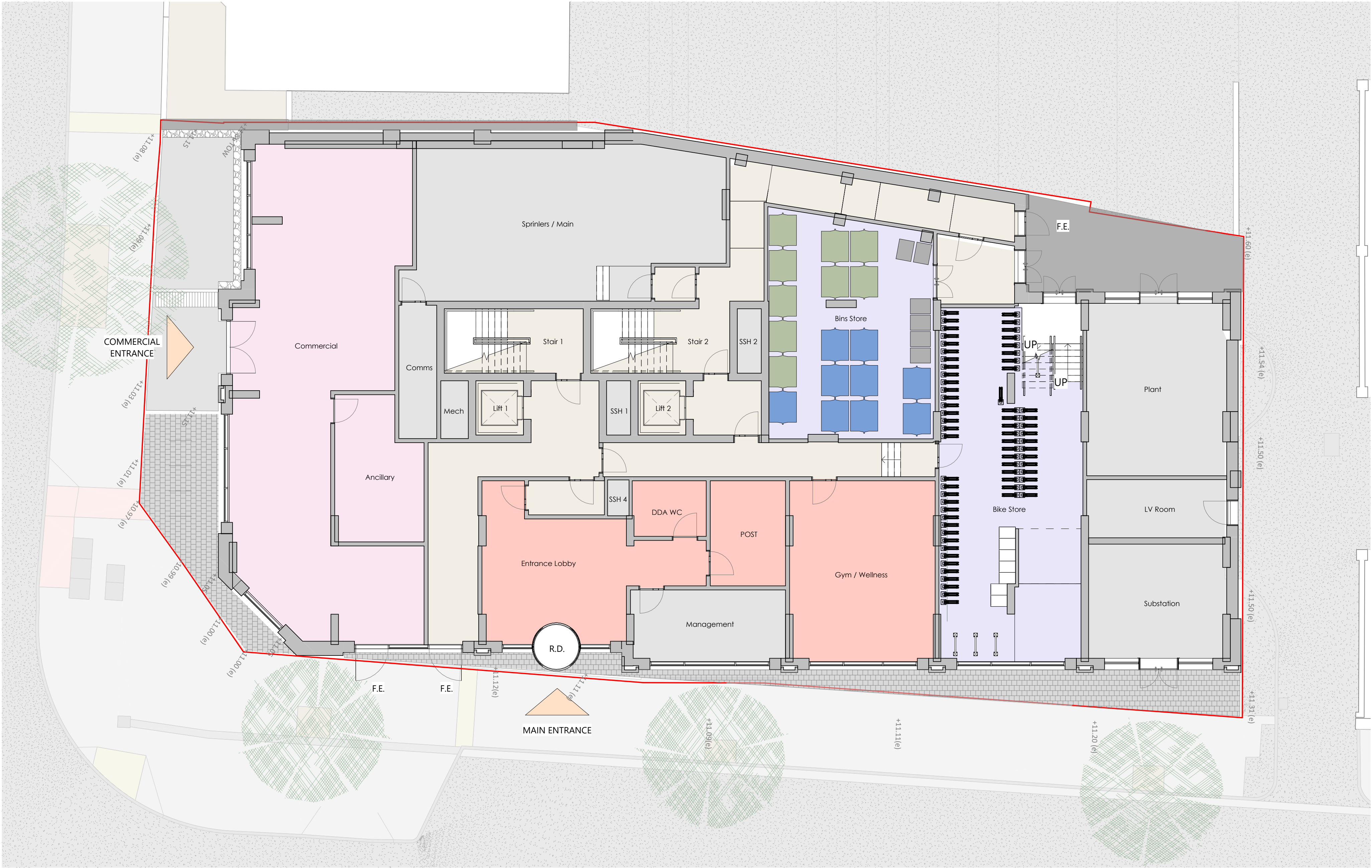
7.2 Report Conclusion

- 7.2.1 On the evidence presented within this report, it is concluded that the proposed development would not result in an unacceptable impact to highway safety, nor would it result in a residual cumulative impact that may be classified as being “severe”.
- 7.2.2 Consequently, the proposal is in full accordance with Planning Policy Wales (PPW), Traffic Advisory Note (TAN) 18 (2007) and Cardiff Council's Supplementary Planning Guidance (SPG) on Student Accommodation (2019) and the planning permission should not therefore be withheld on transport grounds.
- 7.2.3 Notwithstanding, future residents will therefore have opportunities to travel to key destinations, university campuses and amenities by a range of non-car travel, including the primary modes of walking and cycling. It is therefore concluded that there are no valid highways or transport reasons, which should prevent the proposed development of this site.

APPENDICES

APPENDIX A

Ground Floor Site Plan



Red Line Boundary

Room Type Legend

- AMENITY
- BIKE STORE
- BINS
- BOH
- CIRCULATION
- COMMERCIAL
- FOH
- PLANT
- RISER
- SSH

P01 DD.MM.YY -- FIRST ISSUE
Rev Date Db Notes

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- All dimensions are to be read off this drawing and NOT scaled.
- All work to be executed in strict accordance with the by-laws and regulations of the local authorities.
- All work to conform to applicable codes of the British Standards.
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**Fletcher
Joseph**

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Edinburgh EH10 5HU
admin@fletcherjoseph.com

0131 447 5000
fletcherjoseph.com

CLIENT

ELITE CASK LTD

PROJECT

TY CAMBRIA

29 NEWPORT ROAD

CARDIFF

TITLE

GFL

GENERAL ARRANGEMENT

DATE

08/22/25

DRAWN BY

JC

DRAWING NUMBER

25835-FJA-00-00-DR-A-PL00

SCALE @ A1

1:100

CHECKED BY

SD

REVISION

P01

LAST REVISION

DD.MM.YY

REVISED BY

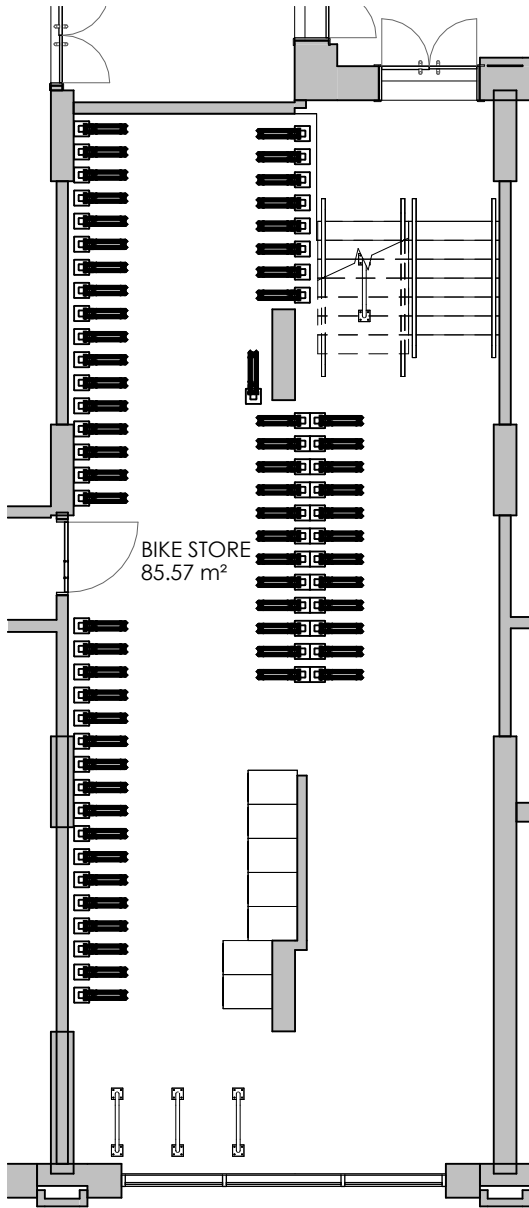
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REVISION

P01

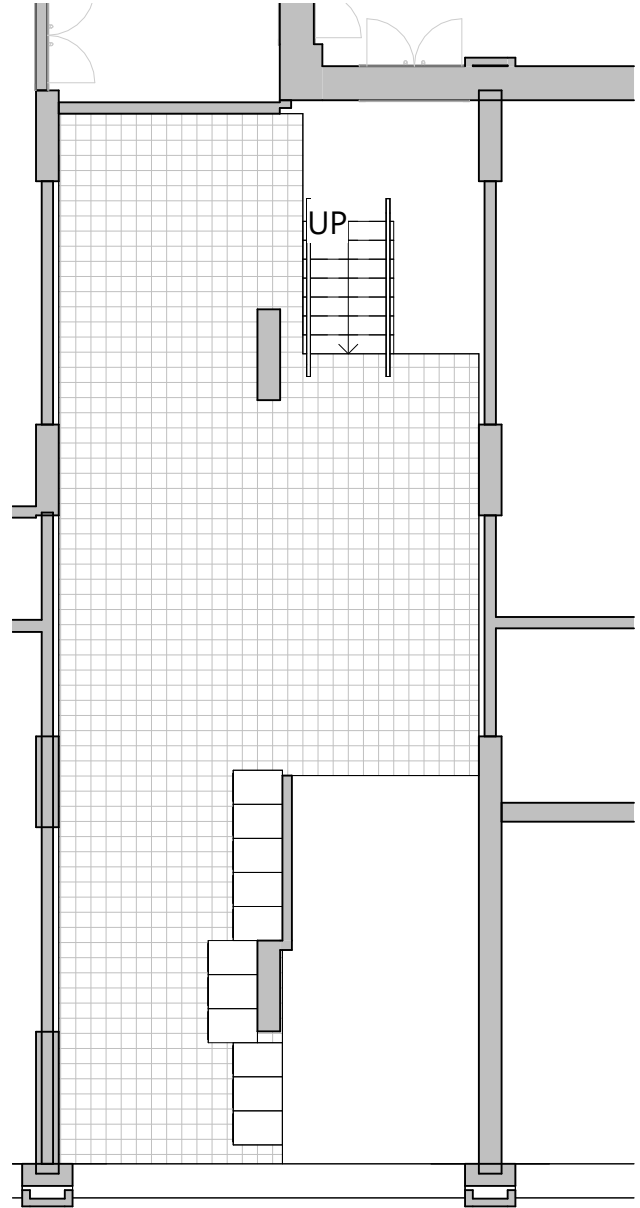
APPENDIX B

Cycle Parking Layout



1

BIKE STORE - LOWER LEVEL



2

BIKE STORE - UPPER LEVEL

APPENDIX C

Bin Store Locations with Refuse and Delivery Vehicle Swept-Path Analysis

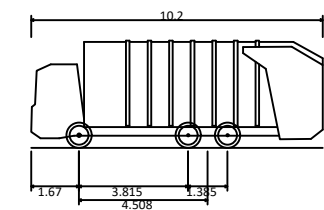


Base drawing provided by:
RB LANDSCAPE
Drawing No:0009-RBL-XX-00-DR-L-0001 Rev P00

LEGEND

- SITE BOUNDARY
- - - HIGHWAY BOUNDARY

VEHICLE DETAILS



Phoenix 2 Duo (P2-12W with Elite 6x4 chassis)

Overall Length	10.200m
Overall Width	2.530m
Overall Body Height	3.751m
Min Body Ground Clearance	0.304m
Track Width	2.500m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	7.800m

- EXTENT OF VEHICLE CHASSIS
- EXTENT OF VEHICLE WHEELS

00	FIRST ISSUE	CB	NR	05-08-26
REV:	DESCRIPTION:	BY:	CHK:	DATE:

STATUS: REFUSE COLLECTION VEHICLE

CLIENT: RHOMCO

SITE: TY CAMBRIA, CARDIFF

TITLE: SWEPT PATH ANALYSIS -
REFUSE COLLECTION VEHICLE



SCALE: 1:200 @ A3		DATE: 05-08-26		DRAWN: CB	CHECKED: NR
PROJECT: 26-281	COMPANY: CAL	TYPE: DR	DRAWING NO: 20-SPA003	SHEET NO: 01	REVISION: 00

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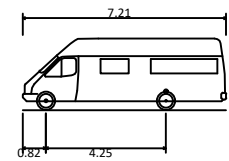


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Drawing No:0009-RBL-XX-00-DR-L-0001 Rev P00

LEGEND

- SITE BOUNDARY
- - - HIGHWAY BOUNDARY

VEHICLE DETAILS



7.5t Panel Van
Overall Length 7.210m
Overall Width 2.192m
Overall Body Height 2.544m
Min Body Ground Clearance 0.316m
Track Width 1.865m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 7.400m

- EXTENT OF VEHICLE CHASSIS
- EXTENT OF VEHICLE WHEELS

00	FIRST ISSUE	CB	NR	05-08-26
REV:	DESCRIPTION:	BY:	CHK:	DATE:

STATUS:	PLANNING
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CLIENT:	RHOMCO
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SITE:	TY CAMBRIA, CARDIFF
-------	---------------------

TITLE:	SWEPT PATH ANALYSIS - 7.5T PANEL VAN
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SCALE: 1:200 @ A3		DATE: 05-08-26		DRAWN: CB	CHECKED: NR
PROJECT: 26-281	COMPANY: CAL	TYPE: DR	DRAWING NO: 20-SPA002	SHEET NO: 01	REVISION: 00

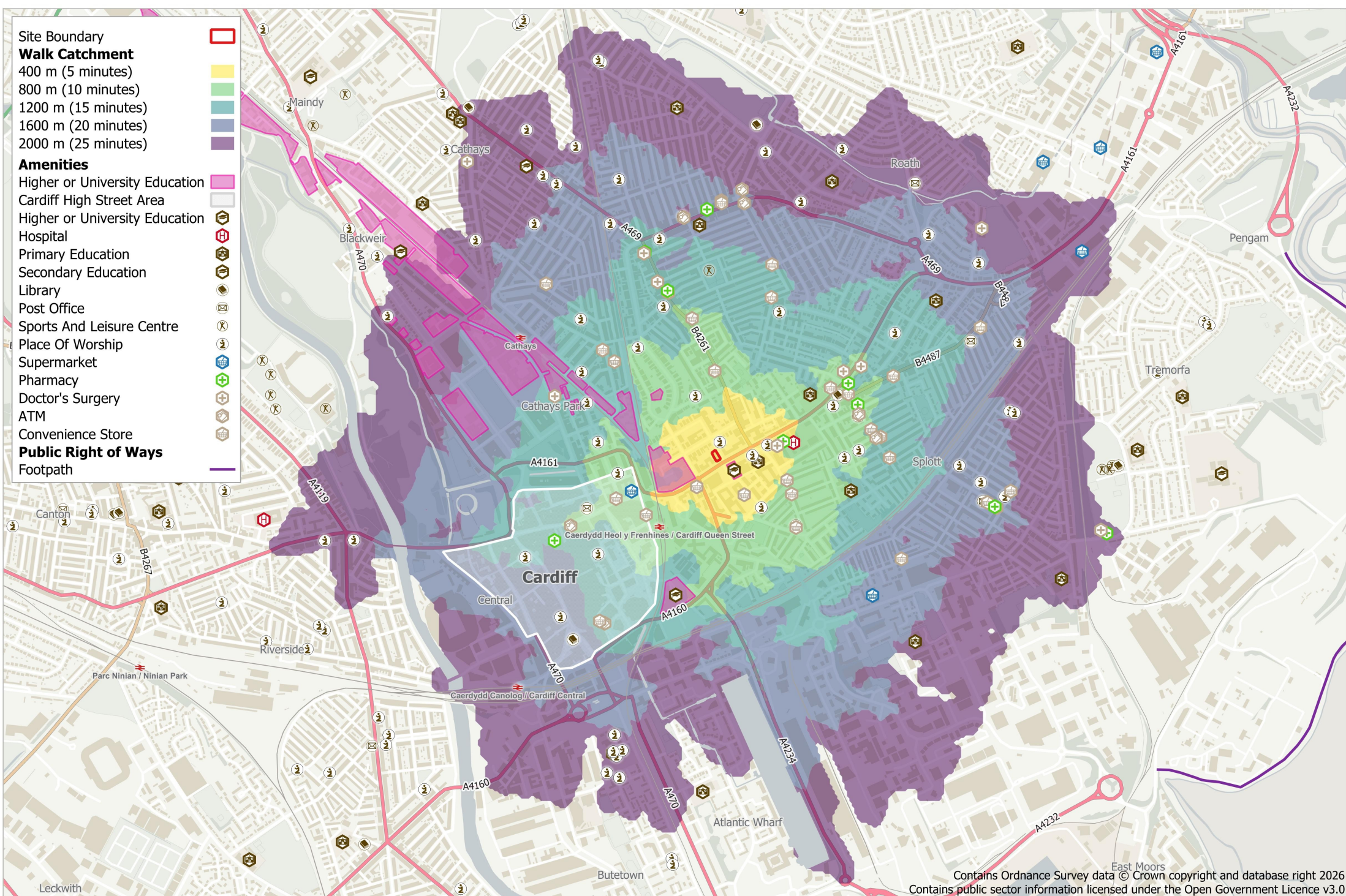
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APPENDIX D

Walking Catchments



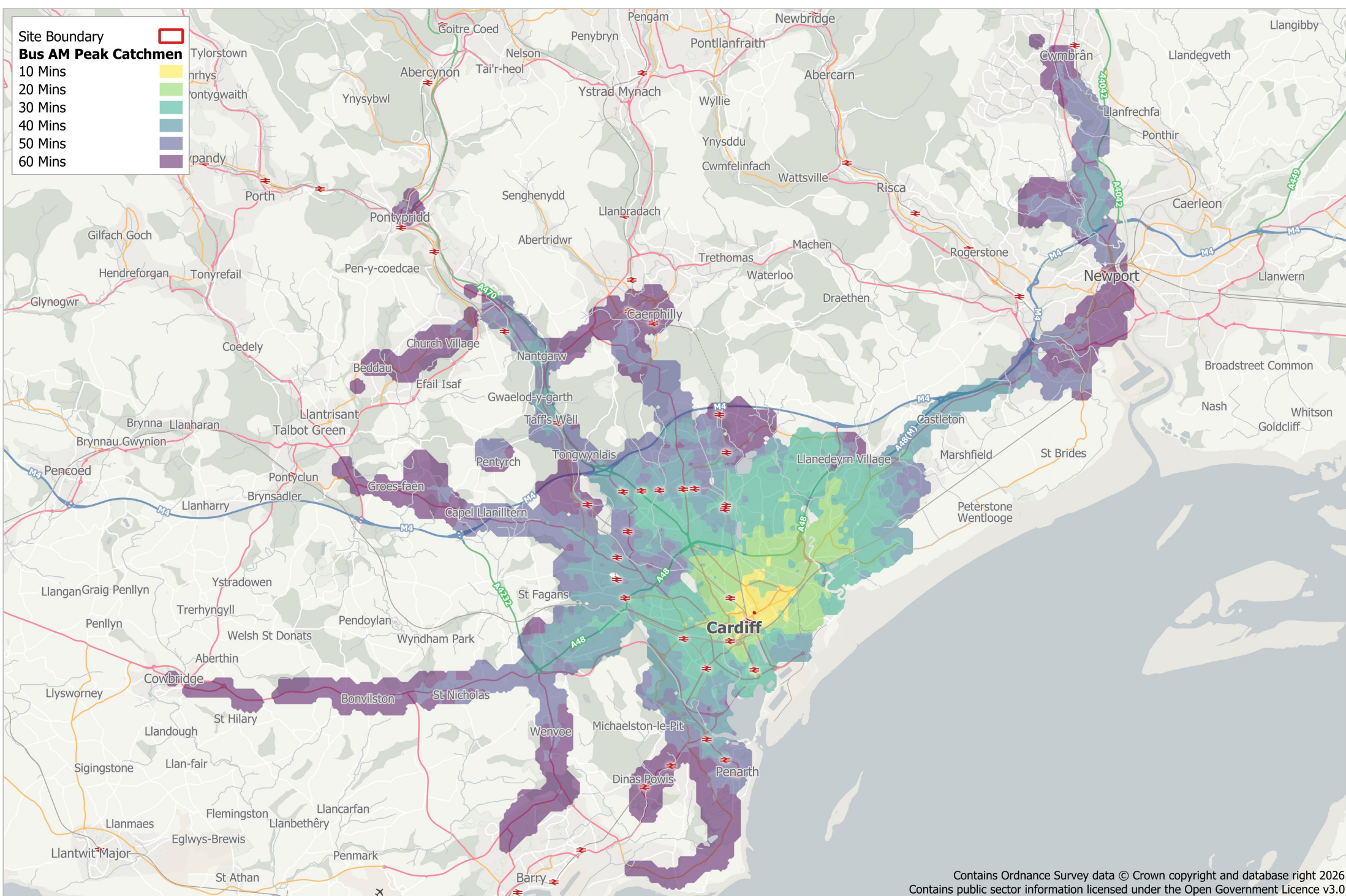
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APPENDIX E

Cycling Catchments

APPENDIX F

Bus Catchments



APPENDIX G

BREEAM Accessibility Index

BREEAM 2018 Tra01/02 Accessibility Index calculator

BREEAM® UK
delivered by bre

Using the drop down boxes make the relevant selections and press the 'Select' button

Building type Multi-residential ▼

No. nodes required 9 ▼

Select

NODE 1

Public transport type	Bus									
Distance to node (m)	139.45									
Average frequency per hour	0.92									

NODE 2

Public transport type	Bus									
Distance to node (m)	132.14									
Average frequency per hour	7.33	7.17	1.33	0.83						

NODE 3

Public transport type	Bus									
Distance to node (m)	122.72									
Average frequency per hour	5.67	0.83								

NODE 4

Public transport type	Bus									
Distance to node (m)	119.72									
Average frequency per hour	9.83	0.08								

NODE 5

Public transport type	Bus									
Distance to node (m)	124.09									
Average frequency per hour	9.33	6	0.92	0.08						

NODE 6

Public transport type	Bus									
Distance to node (m)	106.1									
Average frequency per hour	7.33	7.17	2.83	2.67	1.5	1.5				

NODE 7

Public transport type	Bus									
Distance to node (m)	177.29									
Average frequency per hour	7.33	3.5	3.42	2.42						

NODE 8

Public transport type	Bus									
Distance to node (m)	173.84									
Average frequency per hour	7.33	3.92	3.83	2.33	1.42	0.42				

NODE 9

Public transport type	Bus									
Distance to node (m)	616.98									
Average frequency per hour	1.33	0.83	0.83	0.83	0.83	0.75	0.5	0.42	0.33	

Accessibility Index 37.41

APPENDIX H

TRICS Output

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use: 02 - EMPLOYMENT

Category: A - OFFICE

Selected Vehicle Type: Total Vehicles

**BOLD print indicates peak (busiest) period*

Selected regions and areas:

01	GREATER LONDON	
	BN	BARNET 1 day
	LB	LAMBETH 1 day
02	SOUTH EAST	
	WS	WEST SUSSEX 1 day
03	SOUTH WEST	
	BC	BOURNEMOUTH CHRISTCHURCH & POOLE 1 day
04	EAST ANGLIA	
	CA	CAMBRIDGESHIRE 1 day
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY	NORTH YORKSHIRE 2 days

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

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

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:	1366 to 4912 (units:sqm)
Range Selected by User:	1000 to 5000 (units:sqm)
Parking Spaces Range:	0 - 496

Public Transport Provision:	
Selection by:	All Surveys Included
Date Range:	01/01/18 to 10/11/25

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

Selected survey days:	
Tuesday	2 days
Wednesday	2 days
Thursday	1 days
Friday	2 days

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

Selected survey types:	
Manual count	7
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:	
Town Centre	2 days
Edge of Town Centre	5 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	2 days
Commercial Zone	1 days
High Street	1 days
No Sub Category	3 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	2 days
Servicing vehicles Included	3 days
Servicing vehicles Unknown	2 days

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Secondary Filtering Selection:

Use Class:

Not Known

7 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:

787 - 7851

Population within 1 mile:

5,001 to 10,000	1 surveys
20,001 to 25,000	2 surveys
25,001 to 50,000	3 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:

25,001 to 50,000	1 surveys
125,001 to 250,000	2 surveys
250,001 to 500,000	2 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	4 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

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
No	1 surveys
No	1 surveys
Yes	1 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
6a - Excellent	1 surveys
No PTAL Present	5 surveys

This data displays the number of surveys within the selected set by PTAL rating category.

COVID-19 Restrictions:

No

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

1	BC-02-A-08	OFFICES	BOURNEMOUTH CHRISTCHURCH & POOLE
HOLDENHURST ROAD BOURNEMOUTH Edge of Town Centre Built-Up Zone Gross floor area: 2600.00 sqm Survey date: Wednesday 14/09/2022			
			Survey Type: Manual
2	BN-02-A-01	OFFICES	BARNET
MOON LANE HIGH BARNET Edge of Town Centre No Sub Category Gross floor area: 1366.00 sqm Survey date: Thursday 11/11/2021			
			Survey Type: Manual
3	CA-02-A-07	RESEARCH OFFICES	CAMBRIDGESHIRE
REGENT STREET CAMBRIDGE Town Centre Commercial Zone Gross floor area: 2950.00 sqm Survey date: Tuesday 29/04/2025			
			Survey Type: Manual
4	LB-02-A-02	MUSIC COMPANY	LAMBETH
STREATHAM HIGH ROAD STREATHAM Town Centre High Street Gross floor area: 3054.00 sqm Survey date: Tuesday 05/11/2019			
			Survey Type: Manual
5	NY-02-A-03	DISTRICT COUNCIL OFFICES	NORTH YORKSHIRE
STATION ROAD RICHMOND Edge of Town Centre No Sub Category Gross floor area: 1590.00 sqm Survey date: Friday 06/05/2022			
			Survey Type: Manual
6	NY-02-A-04	OFFICES	NORTH YORKSHIRE
GRANGE ROAD MIDDLESBROUGH Edge of Town Centre Built-Up Zone Gross floor area: 3224.00 sqm Survey date: Wednesday 24/09/2025			
			Survey Type: Manual
7	WS-02-A-07	BUSINESS TECHNOLOGY	WEST SUSSEX
HAM ROAD SHOREHAM-BY-SEA Edge of Town Centre No Sub Category Gross floor area: 2780.00 sqm Survey date: Friday 11/11/2022			
			Survey Type: Manual

DESELECTED SURVEYS

Site Ref	Survey Date	Reason for Deselection
IM-02-A-02	24-05-2024	Isle of Man
NY-02-A-02	14-03-2019	Removed: Site re-surveyed by NY-02-A-03

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

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					
07:00-08:00	7	2509	0.467	0.057	0.524
08:00-09:00	7	2509	1.463	0.171	1.634
09:00-10:00	7	2509	0.609	0.216	0.825
10:00-11:00	7	2509	0.233	0.216	0.449
11:00-12:00	7	2509	0.159	0.159	0.318
12:00-13:00	7	2509	0.268	0.262	0.530
13:00-14:00	7	2509	0.194	0.239	0.433
14:00-15:00	7	2509	0.171	0.228	0.399
15:00-16:00	7	2509	0.091	0.290	0.381
16:00-17:00	7	2509	0.085	0.461	0.546
17:00-18:00	7	2509	0.063	1.258	1.321
18:00-19:00	7	2509	0.000	0.233	0.233
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			3.803	3.790	7.593

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

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

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Total People

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					
07:00-08:00	7	2509	0.780	0.063	0.843
08:00-09:00	7	2509	2.482	0.125	2.607
09:00-10:00	7	2509	1.418	0.370	1.788
10:00-11:00	7	2509	0.541	0.450	0.991
11:00-12:00	7	2509	0.507	0.444	0.951
12:00-13:00	7	2509	1.201	1.657	2.858
13:00-14:00	7	2509	1.201	1.048	2.249
14:00-15:00	7	2509	0.638	0.569	1.207
15:00-16:00	7	2509	0.307	0.712	1.019
16:00-17:00	7	2509	0.165	1.127	1.292
17:00-18:00	7	2509	0.046	2.203	2.249
18:00-19:00	7	2509	0.006	0.558	0.564
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			9.292	9.326	18.618

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: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Cyclists

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					
07:00-08:00	7	2509	0.006	0.000	0.006
08:00-09:00	7	2509	0.154	0.000	0.154
09:00-10:00	7	2509	0.108	0.006	0.114
10:00-11:00	7	2509	0.011	0.000	0.011
11:00-12:00	7	2509	0.017	0.011	0.028
12:00-13:00	7	2509	0.017	0.028	0.045
13:00-14:00	7	2509	0.000	0.006	0.006
14:00-15:00	7	2509	0.017	0.011	0.028
15:00-16:00	7	2509	0.000	0.028	0.028
16:00-17:00	7	2509	0.006	0.034	0.040
17:00-18:00	7	2509	0.000	0.148	0.148
18:00-19:00	7	2509	0.000	0.074	0.074
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.336	0.346	0.682

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

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

Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

PSVs

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					
07:00-08:00	7	2509	0.000	0.000	0.000
08:00-09:00	7	2509	0.000	0.000	0.000
09:00-10:00	7	2509	0.000	0.000	0.000
10:00-11:00	7	2509	0.000	0.000	0.000
11:00-12:00	7	2509	0.000	0.000	0.000
12:00-13:00	7	2509	0.000	0.000	0.000
13:00-14:00	7	2509	0.000	0.000	0.000
14:00-15:00	7	2509	0.000	0.000	0.000
15:00-16:00	7	2509	0.000	0.000	0.000
16:00-17:00	7	2509	0.000	0.000	0.000
17:00-18:00	7	2509	0.000	0.000	0.000
18:00-19:00	7	2509	0.000	0.000	0.000
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.000	0.000	0.000

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	N/A - N/A
Number of weekdays (Monday-Friday):	0
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

OGVs

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					
07:00-08:00	7	2509	0.000	0.000	0.000
08:00-09:00	7	2509	0.006	0.006	0.012
09:00-10:00	7	2509	0.000	0.000	0.000
10:00-11:00	7	2509	0.000	0.000	0.000
11:00-12:00	7	2509	0.000	0.000	0.000
12:00-13:00	7	2509	0.000	0.000	0.000
13:00-14:00	7	2509	0.000	0.000	0.000
14:00-15:00	7	2509	0.000	0.000	0.000
15:00-16:00	7	2509	0.000	0.000	0.000
16:00-17:00	7	2509	0.000	0.000	0.000
17:00-18:00	7	2509	0.006	0.006	0.012
18:00-19:00	7	2509	0.000	0.000	0.000
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.012	0.012	0.024

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	11/11/2022 - 24/09/2025
Number of weekdays (Monday-Friday):	2
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Taxis

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					
07:00-08:00	7	2509	0.011	0.011	0.022
08:00-09:00	7	2509	0.011	0.011	0.022
09:00-10:00	7	2509	0.000	0.000	0.000
10:00-11:00	7	2509	0.006	0.006	0.012
11:00-12:00	7	2509	0.000	0.000	0.000
12:00-13:00	7	2509	0.000	0.000	0.000
13:00-14:00	7	2509	0.000	0.000	0.000
14:00-15:00	7	2509	0.006	0.006	0.012
15:00-16:00	7	2509	0.000	0.000	0.000
16:00-17:00	7	2509	0.006	0.006	0.012
17:00-18:00	7	2509	0.017	0.017	0.034
18:00-19:00	7	2509	0.000	0.000	0.000
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.057	0.057	0.114

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.

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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	14/09/2022 - 24/09/2025
Number of weekdays (Monday-Friday):	3
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Cars

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					
07:00-08:00	7	2509	0.427	0.034	0.461
08:00-09:00	7	2509	1.401	0.142	1.543
09:00-10:00	7	2509	0.575	0.182	0.757
10:00-11:00	7	2509	0.188	0.182	0.370
11:00-12:00	7	2509	0.148	0.142	0.290
12:00-13:00	7	2509	0.205	0.211	0.416
13:00-14:00	7	2509	0.165	0.205	0.370
14:00-15:00	7	2509	0.137	0.188	0.325
15:00-16:00	7	2509	0.080	0.273	0.353
16:00-17:00	7	2509	0.051	0.427	0.478
17:00-18:00	7	2509	0.034	1.190	1.224
18:00-19:00	7	2509	0.000	0.233	0.233
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			3.411	3.409	6.820

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	11/11/2021 - 24/09/2025
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

LGVs

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					
07:00-08:00	7	2509	0.028	0.011	0.039
08:00-09:00	7	2509	0.028	0.011	0.039
09:00-10:00	7	2509	0.028	0.034	0.062
10:00-11:00	7	2509	0.040	0.028	0.068
11:00-12:00	7	2509	0.011	0.017	0.028
12:00-13:00	7	2509	0.057	0.046	0.103
13:00-14:00	7	2509	0.023	0.034	0.057
14:00-15:00	7	2509	0.028	0.034	0.062
15:00-16:00	7	2509	0.011	0.017	0.028
16:00-17:00	7	2509	0.028	0.023	0.051
17:00-18:00	7	2509	0.006	0.028	0.034
18:00-19:00	7	2509	0.000	0.000	0.000
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.288	0.283	0.571

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Motorcycles

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					
07:00-08:00	7	2509	0.000	0.000	0.000
08:00-09:00	7	2509	0.017	0.000	0.017
09:00-10:00	7	2509	0.006	0.000	0.006
10:00-11:00	7	2509	0.000	0.000	0.000
11:00-12:00	7	2509	0.000	0.000	0.000
12:00-13:00	7	2509	0.006	0.006	0.012
13:00-14:00	7	2509	0.006	0.000	0.006
14:00-15:00	7	2509	0.000	0.000	0.000
15:00-16:00	7	2509	0.000	0.000	0.000
16:00-17:00	7	2509	0.000	0.006	0.006
17:00-18:00	7	2509	0.000	0.017	0.017
18:00-19:00	7	2509	0.000	0.000	0.000
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.035	0.029	0.064

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	11/11/2021 - 29/04/2025
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Vehicle Occupants

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					
07:00-08:00	7	2509	0.490	0.040	0.530
08:00-09:00	7	2509	1.583	0.091	1.674
09:00-10:00	7	2509	0.621	0.233	0.854
10:00-11:00	7	2509	0.251	0.228	0.479
11:00-12:00	7	2509	0.182	0.159	0.341
12:00-13:00	7	2509	0.330	0.347	0.677
13:00-14:00	7	2509	0.233	0.313	0.546
14:00-15:00	7	2509	0.205	0.245	0.450
15:00-16:00	7	2509	0.091	0.342	0.433
16:00-17:00	7	2509	0.080	0.495	0.575
17:00-18:00	7	2509	0.017	1.344	1.361
18:00-19:00	7	2509	0.000	0.251	0.251
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			4.083	4.088	8.171

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.

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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Pedestrians

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					
07:00-08:00	7	2509	0.176	0.011	0.187
08:00-09:00	7	2509	0.262	0.023	0.285
09:00-10:00	7	2509	0.251	0.102	0.353
10:00-11:00	7	2509	0.131	0.182	0.313
11:00-12:00	7	2509	0.245	0.216	0.461
12:00-13:00	7	2509	0.757	1.070	1.827
13:00-14:00	7	2509	0.797	0.564	1.361
14:00-15:00	7	2509	0.353	0.251	0.604
15:00-16:00	7	2509	0.176	0.222	0.398
16:00-17:00	7	2509	0.063	0.279	0.342
17:00-18:00	7	2509	0.023	0.302	0.325
18:00-19:00	7	2509	0.006	0.120	0.126
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			3.240	3.342	6.582

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Public Transport Users

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					
07:00-08:00	7	2509	0.108	0.011	0.119
08:00-09:00	7	2509	0.484	0.011	0.495
09:00-10:00	7	2509	0.433	0.028	0.461
10:00-11:00	7	2509	0.148	0.040	0.188
11:00-12:00	7	2509	0.063	0.057	0.120
12:00-13:00	7	2509	0.097	0.211	0.308
13:00-14:00	7	2509	0.171	0.165	0.336
14:00-15:00	7	2509	0.063	0.063	0.126
15:00-16:00	7	2509	0.040	0.120	0.160
16:00-17:00	7	2509	0.017	0.319	0.336
17:00-18:00	7	2509	0.006	0.404	0.410
18:00-19:00	7	2509	0.000	0.114	0.114
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			1.630	1.543	3.173

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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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Bus/Tram Passengers

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					
07:00-08:00	7	2509	0.063	0.011	0.074
08:00-09:00	7	2509	0.279	0.006	0.285
09:00-10:00	7	2509	0.251	0.011	0.262
10:00-11:00	7	2509	0.091	0.034	0.125
11:00-12:00	7	2509	0.040	0.034	0.074
12:00-13:00	7	2509	0.046	0.137	0.183
13:00-14:00	7	2509	0.102	0.125	0.227
14:00-15:00	7	2509	0.040	0.040	0.080
15:00-16:00	7	2509	0.017	0.091	0.108
16:00-17:00	7	2509	0.006	0.159	0.165
17:00-18:00	7	2509	0.006	0.211	0.217
18:00-19:00	7	2509	0.000	0.057	0.057
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.941	0.916	1.857

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.

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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Coach Passengers

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					
07:00-08:00	7	2509	0.000	0.000	0.000
08:00-09:00	7	2509	0.000	0.000	0.000
09:00-10:00	7	2509	0.000	0.000	0.000
10:00-11:00	7	2509	0.000	0.000	0.000
11:00-12:00	7	2509	0.006	0.000	0.006
12:00-13:00	7	2509	0.000	0.000	0.000
13:00-14:00	7	2509	0.006	0.000	0.006
14:00-15:00	7	2509	0.000	0.006	0.006
15:00-16:00	7	2509	0.000	0.000	0.000
16:00-17:00	7	2509	0.000	0.006	0.006
17:00-18:00	7	2509	0.000	0.000	0.000
18:00-19:00	7	2509	0.000	0.000	0.000
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.012	0.012	0.024

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.

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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 05/11/2019
Number of weekdays (Monday-Friday):	1
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: 9b3d2226-db88-4659-b9b1-980dedefb2e1

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Total Rail Passengers

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					
07:00-08:00	7	2509	0.046	0.000	0.046
08:00-09:00	7	2509	0.205	0.006	0.211
09:00-10:00	7	2509	0.182	0.017	0.199
10:00-11:00	7	2509	0.057	0.006	0.063
11:00-12:00	7	2509	0.017	0.023	0.040
12:00-13:00	7	2509	0.051	0.074	0.125
13:00-14:00	7	2509	0.063	0.040	0.103
14:00-15:00	7	2509	0.023	0.017	0.040
15:00-16:00	7	2509	0.023	0.028	0.051
16:00-17:00	7	2509	0.011	0.154	0.165
17:00-18:00	7	2509	0.000	0.194	0.194
18:00-19:00	7	2509	0.000	0.057	0.057
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.678	0.616	1.294

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.

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Audit Code: 9b3d2226-db88-4659-b9b1-980dedefb2e1

Parameter Summary:

Trip rate parameter range selected:	1000 - 5000 (units: sqm)
Survey date date range:	05/11/2019 - 24/09/2025
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

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

Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use: 03 - RESIDENTIAL

Category: G - STUDENT ACCOMODATION

Selected Vehicle Type: Total Vehicles

**BOLD print indicates peak (busiest) period*

Selected regions and areas:

01	GREATER LONDON		
	HM	HAMMERSMITH AND FULHAM	1 day
	KI	KINGSTON	2 days
	LB	LAMBETH	3 days
05	EAST MIDLANDS		
	DY	DERBY	1 day

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

Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

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:	RESIDE
Actual Range:	103 to 1140 (units:RESIDE)
Range Selected by User:	100 to 1140 (units:RESIDE)
Parking Spaces Range:	0 - 21

Public Transport Provision:	
Selection by:	All Surveys Included
Date Range:	01/01/18 to 10/02/26

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

Selected survey days:	
Tuesday	2 days
Wednesday	4 days
Friday	1 days

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

Selected survey types:	
Manual count	7
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:	
Town Centre	2 days
Edge of Town Centre	5 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	5 days
Residential Zone	2 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	7 days

Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Secondary Filtering Selection:

Use Class:

C3	7 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:

2241 - 10250

Population within 1 mile:

25,001 to 50,000	3 surveys
50,001 to 100,000	2 surveys
100,001 or More	2 surveys

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

Population within 5 miles:

250,001 to 500,000	3 surveys
500,001 or More	4 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	4 surveys
1.1 to 1.5	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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

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	5 surveys
No	1 surveys
Yes	1 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:

4 - Good	2 surveys
6a - Excellent	2 surveys
6b - Excellent	2 surveys
No PTAL Present	1 surveys

This data displays the number of surveys within the selected set by PTAL rating category.

COVID-19 Restrictions:

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

Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

1	DY-03-G-02	STUDENT ACCOMMODATION	DERBY
CATHEDRAL ROAD DERBY Town Centre Built-Up Zone Number of residents: 350.00 RESIDE Survey date: Wednesday 25/09/2019			
		Survey Type: Manual	
2	HM-03-G-02	STUDENT FLATS	HAMMERSMITH AND FULHAM
PADDENSWICK ROAD HAMMERSMITH Edge of Town Centre Residential Zone Number of residents: 217.00 RESIDE Survey date: Friday 25/06/2021			
		Survey Type: Manual	
3	KI-03-G-01	STUDENT FLATS	KINGSTON
PENRHYN ROAD KINGSTON UPON THAMES Edge of Town Centre Built-Up Zone Number of residents: 200.00 RESIDE Survey date: Wednesday 12/06/2019			
		Survey Type: Manual	
4	KI-03-G-02	STUDENT FLATS	KINGSTON
CAMBRIDGE ROAD KINGSTON UPON THAMES NORBITON Edge of Town Centre Residential Zone Number of residents: 300.00 RESIDE Survey date: Wednesday 26/06/2019			
		Survey Type: Manual	
5	LB-03-G-02	STUDENT FLATS	LAMBETH
WESTMINSTER BRIDGE RD LAMBETH Town Centre Built-Up Zone Number of residents: 1100.00 RESIDE Survey date: Tuesday 27/11/2018			
		Survey Type: Manual	
6	LB-03-G-03	STUDENT ACCOMMODATION	LAMBETH
MILES STREET VAUXHALL Edge of Town Centre Built-Up Zone Number of residents: 210.00 RESIDE Survey date: Tuesday 17/06/2025			
		Survey Type: Manual	
7	LB-03-G-04	STUDENT ACCOMMODATION	LAMBETH
MILES STREET VAUXHALL Edge of Town Centre Built-Up Zone Number of residents: 454.00 RESIDE Survey date: Wednesday 12/11/2025			
		Survey Type: Manual	

DESELECTED SURVEYS

Site Ref	Survey Date	Reason for Deselection
HM-03-G-01	31-10-2019	Removed: Site re-surveyed by HM-03-G-02

Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Total Vehicles

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.001	0.001	0.002
08:00-09:00	7	404	0.004	0.003	0.007
09:00-10:00	7	404	0.003	0.002	0.005
10:00-11:00	7	404	0.005	0.004	0.009
11:00-12:00	7	404	0.006	0.006	0.012
12:00-13:00	7	404	0.005	0.006	0.011
13:00-14:00	7	404	0.005	0.004	0.009
14:00-15:00	7	404	0.006	0.006	0.012
15:00-16:00	7	404	0.005	0.005	0.010
16:00-17:00	7	404	0.004	0.005	0.009
17:00-18:00	7	404	0.002	0.002	0.004
18:00-19:00	7	404	0.004	0.004	0.008
19:00-20:00	7	404	0.004	0.004	0.008
20:00-21:00	7	404	0.006	0.006	0.012
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.060	0.058	0.118

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: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Total People

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.014	0.034	0.048
08:00-09:00	7	404	0.020	0.139	0.159
09:00-10:00	7	404	0.027	0.117	0.144
10:00-11:00	7	404	0.034	0.103	0.137
11:00-12:00	7	404	0.052	0.086	0.138
12:00-13:00	7	404	0.061	0.087	0.148
13:00-14:00	7	404	0.080	0.089	0.169
14:00-15:00	7	404	0.079	0.077	0.156
15:00-16:00	7	404	0.104	0.066	0.170
16:00-17:00	7	404	0.106	0.056	0.162
17:00-18:00	7	404	0.126	0.061	0.187
18:00-19:00	7	404	0.104	0.052	0.156
19:00-20:00	7	404	0.093	0.043	0.136
20:00-21:00	7	404	0.097	0.039	0.136
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.997	1.049	2.046

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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.

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TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Cyclists

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.002	0.002
08:00-09:00	7	404	0.001	0.004	0.005
09:00-10:00	7	404	0.002	0.008	0.010
10:00-11:00	7	404	0.001	0.003	0.004
11:00-12:00	7	404	0.000	0.004	0.004
12:00-13:00	7	404	0.001	0.002	0.003
13:00-14:00	7	404	0.004	0.004	0.008
14:00-15:00	7	404	0.003	0.001	0.004
15:00-16:00	7	404	0.006	0.002	0.008
16:00-17:00	7	404	0.003	0.001	0.004
17:00-18:00	7	404	0.004	0.003	0.007
18:00-19:00	7	404	0.007	0.004	0.011
19:00-20:00	7	404	0.002	0.001	0.003
20:00-21:00	7	404	0.001	0.001	0.002
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.035	0.040	0.075

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

PSVs

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.000	0.000
08:00-09:00	7	404	0.000	0.000	0.000
09:00-10:00	7	404	0.000	0.000	0.000
10:00-11:00	7	404	0.000	0.000	0.000
11:00-12:00	7	404	0.000	0.000	0.000
12:00-13:00	7	404	0.000	0.000	0.000
13:00-14:00	7	404	0.000	0.000	0.000
14:00-15:00	7	404	0.000	0.000	0.000
15:00-16:00	7	404	0.000	0.000	0.000
16:00-17:00	7	404	0.000	0.000	0.000
17:00-18:00	7	404	0.000	0.000	0.000
18:00-19:00	7	404	0.000	0.000	0.000
19:00-20:00	7	404	0.000	0.000	0.000
20:00-21:00	7	404	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.000	0.000	0.000

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.

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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	N/A - N/A
Number of weekdays (Monday-Friday):	0
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

OGVs

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.001	0.001	0.002
08:00-09:00	7	404	0.000	0.000	0.000
09:00-10:00	7	404	0.000	0.000	0.000
10:00-11:00	7	404	0.000	0.000	0.000
11:00-12:00	7	404	0.000	0.000	0.000
12:00-13:00	7	404	0.000	0.000	0.000
13:00-14:00	7	404	0.000	0.000	0.000
14:00-15:00	7	404	0.000	0.000	0.000
15:00-16:00	7	404	0.000	0.000	0.000
16:00-17:00	7	404	0.000	0.000	0.000
17:00-18:00	7	404	0.000	0.000	0.000
18:00-19:00	7	404	0.000	0.000	0.000
19:00-20:00	7	404	0.000	0.000	0.000
20:00-21:00	7	404	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.001	0.001	0.002

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 25/06/2021
Number of weekdays (Monday-Friday):	2
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Taxis

Calculation factor: 1 RESIDE

**BOLD print indicates peak (busiest) period*

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.000	0.000
08:00-09:00	7	404	0.001	0.001	0.002
09:00-10:00	7	404	0.000	0.000	0.000
10:00-11:00	7	404	0.001	0.001	0.002
11:00-12:00	7	404	0.002	0.002	0.004
12:00-13:00	7	404	0.002	0.002	0.004
13:00-14:00	7	404	0.001	0.001	0.002
14:00-15:00	7	404	0.001	0.001	0.002
15:00-16:00	7	404	0.002	0.002	0.004
16:00-17:00	7	404	0.001	0.001	0.002
17:00-18:00	7	404	0.001	0.001	0.002
18:00-19:00	7	404	0.002	0.002	0.004
19:00-20:00	7	404	0.001	0.001	0.002
20:00-21:00	7	404	0.004	0.004	0.008
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.019	0.019	0.038

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	5
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Cars

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.000	0.000
08:00-09:00	7	404	0.001	0.001	0.002
09:00-10:00	7	404	0.001	0.000	0.001
10:00-11:00	7	404	0.000	0.000	0.000
11:00-12:00	7	404	0.000	0.000	0.000
12:00-13:00	7	404	0.000	0.001	0.001
13:00-14:00	7	404	0.001	0.000	0.001
14:00-15:00	7	404	0.000	0.000	0.000
15:00-16:00	7	404	0.001	0.001	0.002
16:00-17:00	7	404	0.001	0.001	0.002
17:00-18:00	7	404	0.000	0.000	0.000
18:00-19:00	7	404	0.001	0.001	0.002
19:00-20:00	7	404	0.000	0.000	0.000
20:00-21:00	7	404	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.006	0.005	0.011

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	6
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

LGVs

Calculation factor: 1 RESIDE

**BOLD print indicates peak (busiest) period*

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.000	0.000
08:00-09:00	7	404	0.001	0.001	0.002
09:00-10:00	7	404	0.001	0.001	0.002
10:00-11:00	7	404	0.002	0.002	0.004
11:00-12:00	7	404	0.002	0.002	0.004
12:00-13:00	7	404	0.002	0.002	0.004
13:00-14:00	7	404	0.002	0.001	0.003
14:00-15:00	7	404	0.003	0.004	0.007
15:00-16:00	7	404	0.002	0.002	0.004
16:00-17:00	7	404	0.001	0.001	0.002
17:00-18:00	7	404	0.000	0.000	0.000
18:00-19:00	7	404	0.000	0.000	0.000
19:00-20:00	7	404	0.001	0.000	0.001
20:00-21:00	7	404	0.000	0.001	0.001
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.017	0.017	0.034

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	5
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Motorcycles

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.000	0.000
08:00-09:00	7	404	0.000	0.000	0.000
09:00-10:00	7	404	0.001	0.001	0.002
10:00-11:00	7	404	0.000	0.000	0.000
11:00-12:00	7	404	0.002	0.002	0.004
12:00-13:00	7	404	0.001	0.001	0.002
13:00-14:00	7	404	0.002	0.002	0.004
14:00-15:00	7	404	0.001	0.001	0.002
15:00-16:00	7	404	0.000	0.000	0.000
16:00-17:00	7	404	0.002	0.002	0.004
17:00-18:00	7	404	0.001	0.001	0.002
18:00-19:00	7	404	0.001	0.001	0.002
19:00-20:00	7	404	0.002	0.002	0.004
20:00-21:00	7	404	0.001	0.001	0.002
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.014	0.014	0.028

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
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 shown. 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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Servicing Vehicles

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.001	0.001	0.002
08:00-09:00	7	404	0.001	0.001	0.002
09:00-10:00	7	404	0.002	0.002	0.004
10:00-11:00	7	404	0.003	0.002	0.005
11:00-12:00	7	404	0.004	0.004	0.008
12:00-13:00	7	404	0.003	0.004	0.007
13:00-14:00	7	404	0.003	0.002	0.005
14:00-15:00	7	404	0.004	0.004	0.008
15:00-16:00	7	404	0.002	0.002	0.004
16:00-17:00	7	404	0.004	0.004	0.008
17:00-18:00	7	404	0.001	0.001	0.002
18:00-19:00	7	404	0.001	0.001	0.002
19:00-20:00	7	404	0.003	0.002	0.005
20:00-21:00	7	404	0.002	0.002	0.004
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.034	0.032	0.066

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	5
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Vehicle Occupants

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.001	0.001	0.002
08:00-09:00	7	404	0.001	0.003	0.004
09:00-10:00	7	404	0.003	0.002	0.005
10:00-11:00	7	404	0.003	0.004	0.007
11:00-12:00	7	404	0.006	0.005	0.011
12:00-13:00	7	404	0.005	0.004	0.009
13:00-14:00	7	404	0.004	0.004	0.008
14:00-15:00	7	404	0.005	0.006	0.011
15:00-16:00	7	404	0.006	0.003	0.009
16:00-17:00	7	404	0.004	0.004	0.008
17:00-18:00	7	404	0.002	0.002	0.004
18:00-19:00	7	404	0.004	0.003	0.007
19:00-20:00	7	404	0.004	0.002	0.006
20:00-21:00	7	404	0.005	0.004	0.009
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.053	0.047	0.100

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	6
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Pedestrians

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.006	0.013	0.019
08:00-09:00	7	404	0.007	0.049	0.056
09:00-10:00	7	404	0.009	0.040	0.049
10:00-11:00	7	404	0.013	0.038	0.051
11:00-12:00	7	404	0.023	0.035	0.058
12:00-13:00	7	404	0.025	0.031	0.056
13:00-14:00	7	404	0.033	0.041	0.074
14:00-15:00	7	404	0.031	0.034	0.065
15:00-16:00	7	404	0.043	0.030	0.073
16:00-17:00	7	404	0.045	0.027	0.072
17:00-18:00	7	404	0.050	0.028	0.078
18:00-19:00	7	404	0.046	0.023	0.069
19:00-20:00	7	404	0.036	0.023	0.059
20:00-21:00	7	404	0.047	0.023	0.070
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.414	0.435	0.849

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Public Transport Users

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.006	0.018	0.024
08:00-09:00	7	404	0.011	0.082	0.093
09:00-10:00	7	404	0.012	0.067	0.079
10:00-11:00	7	404	0.017	0.058	0.075
11:00-12:00	7	404	0.022	0.043	0.065
12:00-13:00	7	404	0.029	0.049	0.078
13:00-14:00	7	404	0.038	0.041	0.079
14:00-15:00	7	404	0.040	0.036	0.076
15:00-16:00	7	404	0.050	0.030	0.080
16:00-17:00	7	404	0.054	0.024	0.078
17:00-18:00	7	404	0.069	0.028	0.097
18:00-19:00	7	404	0.048	0.023	0.071
19:00-20:00	7	404	0.051	0.017	0.068
20:00-21:00	7	404	0.043	0.011	0.054
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.490	0.527	1.017

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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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Bus/Tram Passengers

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.002	0.006	0.008
08:00-09:00	7	404	0.005	0.042	0.047
09:00-10:00	7	404	0.004	0.037	0.041
10:00-11:00	7	404	0.006	0.028	0.034
11:00-12:00	7	404	0.011	0.021	0.032
12:00-13:00	7	404	0.016	0.026	0.042
13:00-14:00	7	404	0.019	0.024	0.043
14:00-15:00	7	404	0.022	0.019	0.041
15:00-16:00	7	404	0.028	0.014	0.042
16:00-17:00	7	404	0.030	0.011	0.041
17:00-18:00	7	404	0.035	0.014	0.049
18:00-19:00	7	404	0.025	0.013	0.038
19:00-20:00	7	404	0.030	0.010	0.040
20:00-21:00	7	404	0.020	0.007	0.027
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.253	0.272	0.525

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.

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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Coach Passengers

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.000	0.000	0.000
08:00-09:00	7	404	0.000	0.000	0.000
09:00-10:00	7	404	0.000	0.000	0.000
10:00-11:00	7	404	0.000	0.000	0.000
11:00-12:00	7	404	0.000	0.000	0.000
12:00-13:00	7	404	0.000	0.000	0.000
13:00-14:00	7	404	0.000	0.000	0.000
14:00-15:00	7	404	0.000	0.000	0.000
15:00-16:00	7	404	0.000	0.000	0.000
16:00-17:00	7	404	0.000	0.000	0.000
17:00-18:00	7	404	0.000	0.000	0.000
18:00-19:00	7	404	0.000	0.000	0.000
19:00-20:00	7	404	0.000	0.000	0.000
20:00-21:00	7	404	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.000	0.000	0.000

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.

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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	N/A - N/A
Number of weekdays (Monday-Friday):	0
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: 77c71d44-3669-41da-a1da-a1e1a8bd5862

TRIP RATE for Land Use 03 - RESIDENTIAL/G - STUDENT ACCOMODATION

Total Rail Passengers

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Time Range	No. Days	Ave. RESIDE	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					
07:00-08:00	7	404	0.005	0.011	0.016
08:00-09:00	7	404	0.006	0.040	0.046
09:00-10:00	7	404	0.008	0.029	0.037
10:00-11:00	7	404	0.010	0.029	0.039
11:00-12:00	7	404	0.011	0.022	0.033
12:00-13:00	7	404	0.013	0.023	0.036
13:00-14:00	7	404	0.019	0.017	0.036
14:00-15:00	7	404	0.018	0.017	0.035
15:00-16:00	7	404	0.022	0.016	0.038
16:00-17:00	7	404	0.024	0.012	0.036
17:00-18:00	7	404	0.033	0.014	0.047
18:00-19:00	7	404	0.022	0.009	0.031
19:00-20:00	7	404	0.020	0.007	0.027
20:00-21:00	7	404	0.023	0.005	0.028
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.234	0.251	0.485

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.

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Audit Code: 77c71d44-3669-41da-a1da-a1e1a8bd5862

Parameter Summary:

Trip rate parameter range selected:	100 - 1140 (units: RESIDE)
Survey date date range:	27/11/2018 - 12/11/2025
Number of weekdays (Monday-Friday):	7
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: f153ac4a-35c0-4c3f-b264-772b1cb83348

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use: 06 - HOTEL, FOOD & DRINK

Category: K - CAFE

Selected Vehicle Type: Total Vehicles

**BOLD print indicates peak (busiest) period*

Selected regions and areas:

01	GREATER LONDON	
	SU	SUTTON 1 day
05	EAST MIDLANDS	
	LN	LINCOLNSHIRE 1 day
08	NORTH WEST	
	GM	GREATER MANCHESTER 1 day
09	NORTH	
	TW	TYNE & WEAR 1 day
14	LEINSTER	
	WC	WICKLOW 1 day

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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:	180 to 325 (units:sqm)
Range Selected by User:	110 to 500 (units:sqm)
Parking Spaces Range:	0 - 27

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:	
Tuesday	3 days
Wednesday	2 days

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

Selected survey types:	
Manual count	5
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:	
Town Centre	5 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	2 days
High Street	2 days
Retail Zone	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
Servicing vehicles Unknown	1 days

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Secondary Filtering Selection:

Use Class:

E(b)	5 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:

1856 - 4816

Population within 1 mile:

5,001 to 10,000	1 surveys
15,001 to 20,000	1 surveys
25,001 to 50,000	2 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:

5,001 to 25,000	1 surveys
50,001 to 75,000	1 surveys
500,001 or More	3 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	3 surveys
1.1 to 1.5	2 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: f153ac4a-35c0-4c3f-b264-772b1cb83348

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	5 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	4 surveys

This data displays the number of surveys within the selected set by PTAL rating category.

COVID-19 Restrictions:

No

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

1	GM-06-K-01	CAFÉ	GREATER MANCHESTER
DEANSGATE MANCHESTER Town Centre Built-Up Zone Gross floor area: 200.00 sqm Survey date: Tuesday 19/04/2022			
			Survey Type: Manual
2	LN-06-K-01	CAFÉ & TEA ROOM	LINCOLNSHIRE
RED LION SQUARE STAMFORD Town Centre Built-Up Zone Gross floor area: 190.00 sqm Survey date: Tuesday 12/10/2021			
			Survey Type: Manual
3	SU-06-K-01	COSTA COFFEE	SUTTON
THE GAS WORKS SUTTON Town Centre High Street Gross floor area: 180.00 sqm Survey date: Tuesday 04/06/2024			
			Survey Type: Manual
4	TW-06-K-01	COSTA COFFEE	TYNE & WEAR
NORTHUMBERLAND STREET NEWCASTLE UPON TYNE Town Centre Retail Zone Gross floor area: 325.00 sqm Survey date: Wednesday 06/09/2023			
			Survey Type: Manual
5	WC-06-K-01	CAFÉ	WICKLOW
FITZWILLIAM SQUARE WICKLOW Town Centre High Street Gross floor area: 320.00 sqm Survey date: Wednesday 16/11/2022			
			Survey Type: Manual

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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	2	252	1.188	0.594	1.782
07:00-08:00	3	275	1.455	0.848	2.303
08:00-09:00	5	243	0.741	0.905	1.646
09:00-10:00	5	243	3.045	2.387	5.432
10:00-11:00	5	243	3.374	2.881	6.255
11:00-12:00	5	243	2.716	2.634	5.350
12:00-13:00	5	243	2.716	2.305	5.021
13:00-14:00	5	243	3.374	3.457	6.831
14:00-15:00	5	243	2.634	2.716	5.350
15:00-16:00	5	243	1.893	2.305	4.198
16:00-17:00	5	243	1.317	1.235	2.552
17:00-18:00	4	256	0.878	0.878	1.756
18:00-19:00	2	252	0.792	0.594	1.386
19:00-20:00	1	325	1.538	3.077	4.615
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			27.661	26.816	54.477

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.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Total People

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	2	252	5.149	3.168	8.317
07:00-08:00	3	275	6.909	5.697	12.606
08:00-09:00	5	243	6.091	5.844	11.935
09:00-10:00	5	243	13.580	9.959	23.539
10:00-11:00	5	243	15.226	13.251	28.477
11:00-12:00	5	243	14.979	11.852	26.831
12:00-13:00	5	243	18.848	18.354	37.202
13:00-14:00	5	243	17.695	19.342	37.037
14:00-15:00	5	243	10.864	14.156	25.020
15:00-16:00	5	243	9.300	10.700	20.000
16:00-17:00	5	243	6.749	8.642	15.391
17:00-18:00	4	256	5.756	6.732	12.488
18:00-19:00	2	252	5.545	7.921	13.466
19:00-20:00	1	325	8.000	11.692	19.692
20:00-21:00	1	325	0.000	0.615	0.615
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			144.691	147.925	292.616

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Cyclists

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	2	252	0.198	0.000	0.198
07:00-08:00	3	275	0.606	0.727	1.333
08:00-09:00	5	243	0.165	0.165	0.330
09:00-10:00	5	243	0.494	0.329	0.823
10:00-11:00	5	243	0.247	0.412	0.659
11:00-12:00	5	243	0.247	0.165	0.412
12:00-13:00	5	243	0.329	0.247	0.576
13:00-14:00	5	243	0.165	0.329	0.494
14:00-15:00	5	243	0.165	0.165	0.330
15:00-16:00	5	243	0.165	0.082	0.247
16:00-17:00	5	243	0.000	0.082	0.082
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.000	0.000	0.000
19:00-20:00	1	325	0.615	0.615	1.230
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			3.396	3.318	6.714

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
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.

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

PSVs

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	2	252	0.000	0.000	0.000
07:00-08:00	3	275	0.000	0.000	0.000
08:00-09:00	5	243	0.000	0.000	0.000
09:00-10:00	5	243	0.000	0.000	0.000
10:00-11:00	5	243	0.000	0.000	0.000
11:00-12:00	5	243	0.000	0.000	0.000
12:00-13:00	5	243	0.000	0.000	0.000
13:00-14:00	5	243	0.000	0.000	0.000
14:00-15:00	5	243	0.000	0.000	0.000
15:00-16:00	5	243	0.000	0.000	0.000
16:00-17:00	5	243	0.000	0.000	0.000
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.000	0.000	0.000
19:00-20:00	1	325	0.000	0.000	0.000
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.000	0.000	0.000

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: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	N/A - N/A
Number of weekdays (Monday-Friday):	0
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

OGVs

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	2	252	0.000	0.000	0.000
07:00-08:00	3	275	0.121	0.121	0.242
08:00-09:00	5	243	0.000	0.000	0.000
09:00-10:00	5	243	0.082	0.082	0.164
10:00-11:00	5	243	0.000	0.000	0.000
11:00-12:00	5	243	0.000	0.000	0.000
12:00-13:00	5	243	0.000	0.000	0.000
13:00-14:00	5	243	0.000	0.000	0.000
14:00-15:00	5	243	0.082	0.082	0.164
15:00-16:00	5	243	0.000	0.000	0.000
16:00-17:00	5	243	0.000	0.000	0.000
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.000	0.000	0.000
19:00-20:00	1	325	0.000	0.000	0.000
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.285	0.285	0.570

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.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	16/11/2022 - 16/11/2022
Number of weekdays (Monday-Friday):	1
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.

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Taxis

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	2	252	0.000	0.000	0.000
07:00-08:00	3	275	0.000	0.000	0.000
08:00-09:00	5	243	0.000	0.000	0.000
09:00-10:00	5	243	0.082	0.082	0.164
10:00-11:00	5	243	0.165	0.165	0.330
11:00-12:00	5	243	0.247	0.247	0.494
12:00-13:00	5	243	0.000	0.000	0.000
13:00-14:00	5	243	0.329	0.329	0.658
14:00-15:00	5	243	0.165	0.165	0.330
15:00-16:00	5	243	0.000	0.000	0.000
16:00-17:00	5	243	0.000	0.000	0.000
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.198	0.198	0.396
19:00-20:00	1	325	0.308	0.308	0.616
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			1.494	1.494	2.988

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.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 06/09/2023
Number of weekdays (Monday-Friday):	2
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Cars

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	2	252	1.188	0.594	1.782
07:00-08:00	3	275	0.970	0.485	1.455
08:00-09:00	5	243	0.741	0.823	1.564
09:00-10:00	5	243	2.551	1.975	4.526
10:00-11:00	5	243	3.045	2.551	5.596
11:00-12:00	5	243	2.469	2.305	4.774
12:00-13:00	5	243	2.716	2.305	5.021
13:00-14:00	5	243	3.045	3.128	6.173
14:00-15:00	5	243	2.305	2.387	4.692
15:00-16:00	5	243	1.893	2.305	4.198
16:00-17:00	5	243	1.317	1.235	2.552
17:00-18:00	4	256	0.878	0.878	1.756
18:00-19:00	2	252	0.594	0.396	0.990
19:00-20:00	1	325	1.231	2.769	4.000
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			24.943	24.136	49.079

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

LGVs

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	2	252	0.000	0.000	0.000
07:00-08:00	3	275	0.364	0.242	0.606
08:00-09:00	5	243	0.000	0.082	0.082
09:00-10:00	5	243	0.165	0.082	0.247
10:00-11:00	5	243	0.082	0.082	0.164
11:00-12:00	5	243	0.000	0.082	0.082
12:00-13:00	5	243	0.000	0.000	0.000
13:00-14:00	5	243	0.000	0.000	0.000
14:00-15:00	5	243	0.000	0.000	0.000
15:00-16:00	5	243	0.000	0.000	0.000
16:00-17:00	5	243	0.000	0.000	0.000
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.000	0.000	0.000
19:00-20:00	1	325	0.000	0.000	0.000
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.611	0.570	1.181

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Motorcycles

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	2	252	0.000	0.000	0.000
07:00-08:00	3	275	0.000	0.000	0.000
08:00-09:00	5	243	0.000	0.000	0.000
09:00-10:00	5	243	0.165	0.165	0.330
10:00-11:00	5	243	0.082	0.082	0.164
11:00-12:00	5	243	0.000	0.000	0.000
12:00-13:00	5	243	0.000	0.000	0.000
13:00-14:00	5	243	0.000	0.000	0.000
14:00-15:00	5	243	0.082	0.082	0.164
15:00-16:00	5	243	0.000	0.000	0.000
16:00-17:00	5	243	0.000	0.000	0.000
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.000	0.000	0.000
19:00-20:00	1	325	0.000	0.000	0.000
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.329	0.329	0.658

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	16/11/2022 - 04/06/2024
Number of weekdays (Monday-Friday):	2
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Vehicle Occupants

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	2	252	1.188	0.396	1.584
07:00-08:00	3	275	1.091	0.485	1.576
08:00-09:00	5	243	0.905	0.905	1.810
09:00-10:00	5	243	4.033	2.963	6.996
10:00-11:00	5	243	4.362	3.457	7.819
11:00-12:00	5	243	3.457	3.704	7.161
12:00-13:00	5	243	3.786	2.963	6.749
13:00-14:00	5	243	4.444	4.938	9.382
14:00-15:00	5	243	3.210	3.951	7.161
15:00-16:00	5	243	2.634	2.963	5.597
16:00-17:00	5	243	1.317	1.235	2.552
17:00-18:00	4	256	0.976	0.878	1.854
18:00-19:00	2	252	1.584	1.188	2.772
19:00-20:00	1	325	3.077	6.462	9.539
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			36.064	36.488	72.552

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: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Pedestrians

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	2	252	1.782	2.178	3.960
07:00-08:00	3	275	2.667	2.182	4.849
08:00-09:00	5	243	2.140	2.963	5.103
09:00-10:00	5	243	5.597	3.951	9.548
10:00-11:00	5	243	6.420	6.502	12.922
11:00-12:00	5	243	7.654	5.844	13.498
12:00-13:00	5	243	9.877	11.523	21.400
13:00-14:00	5	243	10.206	10.535	20.741
14:00-15:00	5	243	4.938	6.667	11.605
15:00-16:00	5	243	5.514	5.844	11.358
16:00-17:00	5	243	3.951	4.444	8.395
17:00-18:00	4	256	2.829	4.098	6.927
18:00-19:00	2	252	2.574	4.950	7.524
19:00-20:00	1	325	3.692	2.154	5.846
20:00-21:00	1	325	0.000	0.308	0.308
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			69.841	74.143	143.984

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are 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: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Public Transport Users

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	2	252	1.980	0.594	2.574
07:00-08:00	3	275	2.545	2.303	4.848
08:00-09:00	5	243	2.881	1.811	4.692
09:00-10:00	5	243	3.457	2.716	6.173
10:00-11:00	5	243	4.198	2.881	7.079
11:00-12:00	5	243	3.621	2.140	5.761
12:00-13:00	5	243	4.856	3.621	8.477
13:00-14:00	5	243	2.881	3.539	6.420
14:00-15:00	5	243	2.551	3.374	5.925
15:00-16:00	5	243	0.988	1.811	2.799
16:00-17:00	5	243	1.481	2.881	4.362
17:00-18:00	4	256	1.951	1.756	3.707
18:00-19:00	2	252	1.386	1.782	3.168
19:00-20:00	1	325	0.615	2.462	3.077
20:00-21:00	1	325	0.000	0.308	0.308
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			35.391	33.979	69.370

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.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
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.

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Bus/Tram Passengers

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	2	252	1.584	0.396	1.980
07:00-08:00	3	275	2.424	1.455	3.879
08:00-09:00	5	243	2.387	1.646	4.033
09:00-10:00	5	243	2.634	2.058	4.692
10:00-11:00	5	243	3.045	2.387	5.432
11:00-12:00	5	243	2.963	1.564	4.527
12:00-13:00	5	243	3.128	2.469	5.597
13:00-14:00	5	243	2.305	2.716	5.021
14:00-15:00	5	243	1.481	2.222	3.703
15:00-16:00	5	243	0.905	0.905	1.810
16:00-17:00	5	243	0.823	2.140	2.963
17:00-18:00	4	256	0.683	1.268	1.951
18:00-19:00	2	252	0.990	1.188	2.178
19:00-20:00	1	325	0.308	1.538	1.846
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			25.660	23.952	49.612

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Coach Passengers

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	2	252	0.000	0.000	0.000
07:00-08:00	3	275	0.000	0.000	0.000
08:00-09:00	5	243	0.000	0.000	0.000
09:00-10:00	5	243	0.000	0.000	0.000
10:00-11:00	5	243	0.000	0.000	0.000
11:00-12:00	5	243	0.000	0.000	0.000
12:00-13:00	5	243	0.000	0.000	0.000
13:00-14:00	5	243	0.000	0.000	0.000
14:00-15:00	5	243	0.000	0.000	0.000
15:00-16:00	5	243	0.000	0.000	0.000
16:00-17:00	5	243	0.000	0.000	0.000
17:00-18:00	4	256	0.000	0.000	0.000
18:00-19:00	2	252	0.000	0.000	0.000
19:00-20:00	1	325	0.000	0.000	0.000
20:00-21:00	1	325	0.000	0.000	0.000
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			0.000	0.000	0.000

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: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	N/A - N/A
Number of weekdays (Monday-Friday):	0
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

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

Total Rail Passengers

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	2	252	0.396	0.198	0.594
07:00-08:00	3	275	0.121	0.848	0.969
08:00-09:00	5	243	0.494	0.165	0.659
09:00-10:00	5	243	0.823	0.658	1.481
10:00-11:00	5	243	1.152	0.494	1.646
11:00-12:00	5	243	0.658	0.576	1.234
12:00-13:00	5	243	1.728	1.152	2.880
13:00-14:00	5	243	0.576	0.823	1.399
14:00-15:00	5	243	1.070	1.152	2.222
15:00-16:00	5	243	0.082	0.905	0.987
16:00-17:00	5	243	0.658	0.741	1.399
17:00-18:00	4	256	1.268	0.488	1.756
18:00-19:00	2	252	0.396	0.594	0.990
19:00-20:00	1	325	0.308	0.923	1.231
20:00-21:00	1	325	0.000	0.308	0.308
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			9.730	10.025	19.755

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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Audit Code: f153ac4a-35c0-4c3f-b264-772b1cb83348

Parameter Summary:

Trip rate parameter range selected:	110 - 500 (units: sqm)
Survey date date range:	12/10/2021 - 04/06/2024
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 I

Student Drop-Off Swept-Path Analysis

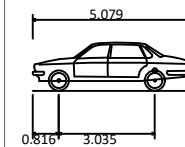


Base drawing provided by:
RB LANDSCAPE
Drawing No:0009-RBL-XX-00-DR-L-0001 Rev P00

LEGEND

- SITE BOUNDARY
- - - HIGHWAY BOUNDARY

VEHICLE DETAILS



Large Car (2006)
Overall Length 5.079m
Overall Width 1.872m
Overall Body Height 1.525m
Min Body Ground Clearance 0.310m
Max Track Width 1.831m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 5.900m

- EXTENT OF VEHICLE CHASSIS
- EXTENT OF VEHICLE WHEELS

00	FIRST ISSUE	CB	NR	05-08-26
REV:	DESCRIPTION:	BY:	CHK:	DATE:

STATUS:	PLANNING
---------	----------

CLIENT:	RHOMCO
---------	--------

SITE:	TY CAMBRIA, CARDIFF
-------	---------------------

TITLE:	PROPOSED EAST GROVE STUDENT DROP OFF AREA
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SCALE: 1:200 @ A3		DATE: 05-08-26		DRAWN: CB	CHECKED: NR
PROJECT: 26-281	COMPANY: CAL	TYPE: DR	DRAWING NO: 20-SPA001	SHEET NO: 01	REVISION: 00

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