

## 5.8 Public Transport Accessibility - Rail

- 5.8.1 The site is well situated in relation to Bicester North Railway Station, which lies broadly 2.3km approximately 10-minute cycle from the centre of the site to the south. Approximately 3.4km or 15-minute cycle south of the site lies Bicester Village Railway Station.
- 5.8.2 Furthermore, convenient connections to these stations can be obtained via the aforementioned E1 and 505 bus services.
- 5.8.3 Bicester North Railway Station is on the Chiltern Main Line and services are operated by Chiltern Railways. The station also offers sheltered, secure bicycling parking facilities by way of cycle stands which are monitored by CCTV; there is capacity for 65 bicycles. As such, there is the opportunity for journeys to the station to be made by bicycle for onwards travel by rail.
- 5.8.4 **Table 5.3** below sets out a summary of these services, including key destinations, approximate journey times and approximate frequencies on a typical weekday.

Destination	Approximate Journey Time	Approximate Frequency
Banbury	15 minutes	Every 50 minutes
London Marylebone	60 minutes	Every 30 minutes
Birmingham Snow Hill	70 minutes	Every 180 minutes

*Table 5.3 – Summary of Train Services from Bicester North Railway Station*

- 5.8.5 Bicester Village Railway Station is on the Oxford-Bedford Line and services are operated by Chiltern Railways. The station also offers sheltered, secure bicycling parking facilities by way of cycle stands which are monitored by CCTV; there is capacity for 50 bicycles. As such, there is the opportunity for journeys to the station to be made by bicycle for onwards travel by rail.
- 5.8.6 **Table 5.4** below sets out a summary of these services, including key destinations, approximate journey times and approximate frequencies on a typical weekday.

Destination	Approximate Journey Time	Approximate Frequency
Oxford Parkway	10 minutes	Every 30 minutes
London Marylebone	60 minutes	Every 25 minutes

*Table 5.4 – Summary of Train Services from Bicester North Railway Station*

- 5.8.7 As such, it is considered that the services that call at Bicester North and Bicester Village Railway Stations provide the opportunity for travel by sustainable means to a number of destinations. These stations are accessible from the site by sustainable modes, creating the opportunity for multi-modal travel and representing an alternative to the private car. **Figure 5.8** below shows the location of the railway stations in relation to the site.

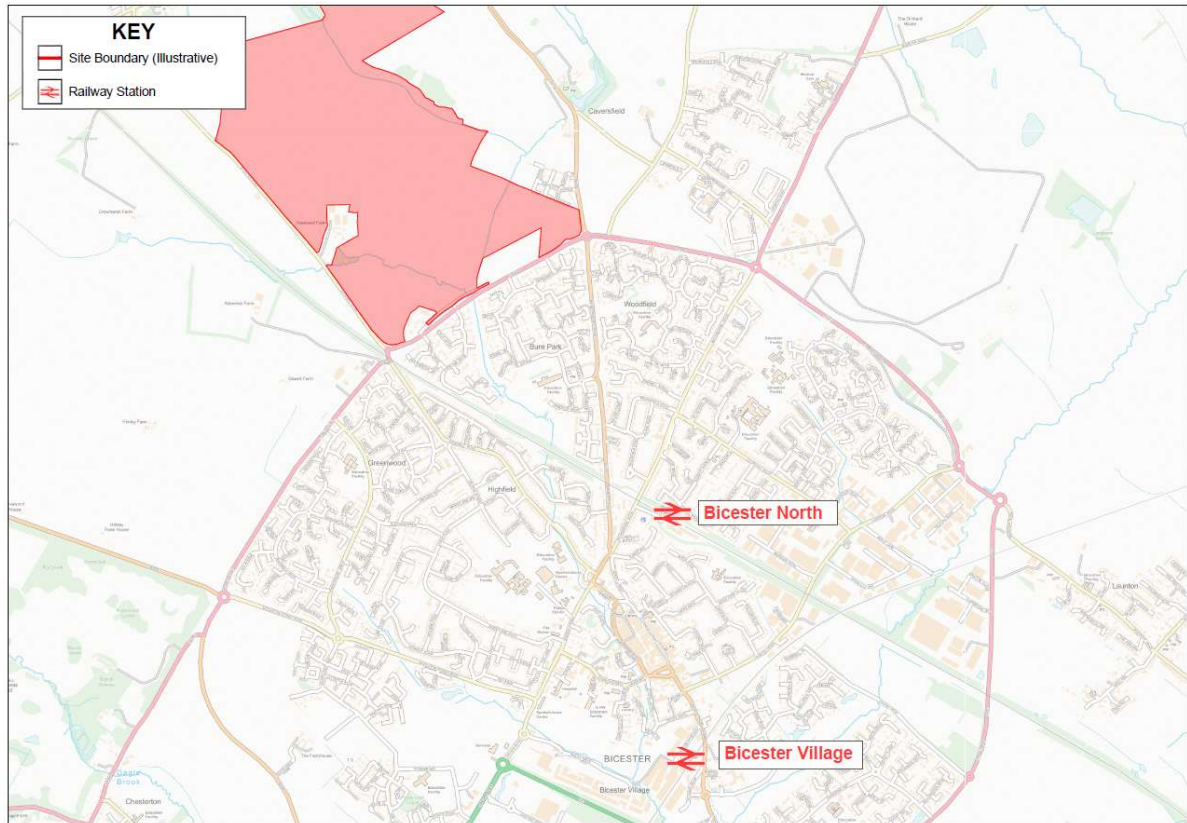
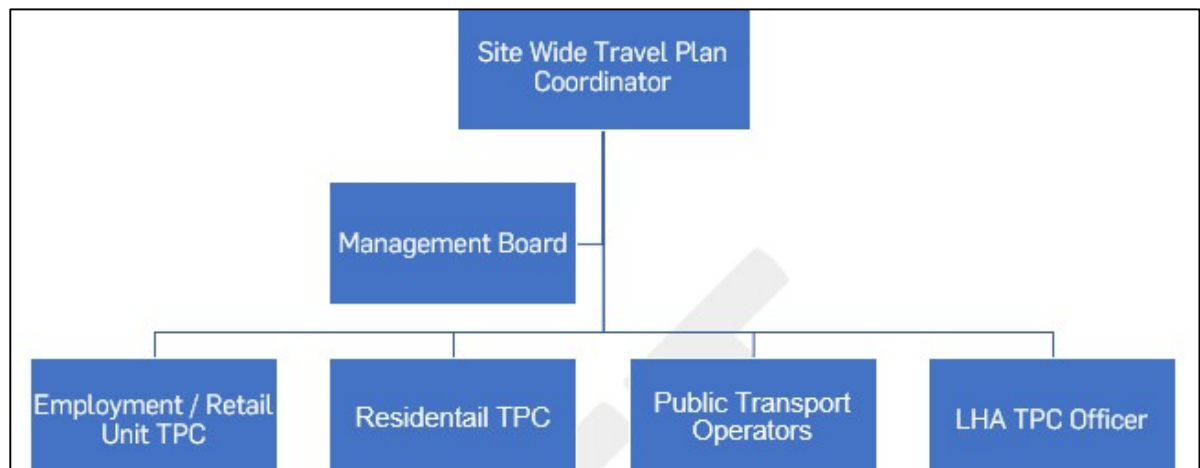


Figure 5.8 – Location of Local Railway Stations

## 6 Management, Marketing and Consultation

### 6.1 Management

- 6.1.1 The management of a Travel Plan involves promotion and consultation along with the general maintenance of paperwork and data. These duties are permanent and therefore regular updates of the Travel Plan document should form an integral part of the on-going running of the Travel Plan.
- 6.1.2 In light of this, a site-wide Travel Co-ordinator will be appointed to oversee the implementation and administration of this overarching Travel Plan and provide the overall co-ordination needed to ensure the Travel Plan's success from the construction period through to its implementation post occupation of the development. To assist this role, the management company for the residential development, will appoint a "Travel Plan Champion" responsible for the execution of the proposed measures.
- 6.1.3 The Site-Wide Travel Plan Co-ordinator (TPC) will need to be a "champion for the cause", demonstrating enthusiasm, negotiation skills and an ability to communicate effectively with people at all levels. The appointed TPC will be given sufficient time and resources to effectively undertake their duties and implement the Travel Plan. The responsibilities of the TPC are to:
- Lead the launch and delivery of the Travel Plan;
  - Obtain and maintain commitment and support from employees, residents and visitors etc;
  - Organise the necessary data collection exercises required to develop the Travel Plan;
  - Establish a development database which will comprise the results of follow-up travel surveys;
  - Acting as a point of contact co-ordinating the activities of each individual organisations;
  - Monitor the onsite travel demand and ensure that the needs of mobility impaired people are incorporated in the plan;
  - Liaise with external organisations e.g. local authorities and transport operators etc; and
  - Arrange the monitoring program for the Travel Plan, including target setting.
- 6.1.4 A Management Board, chaired by the Management Company of the site, is also proposed comprising representatives from the employees, residents and visitors and Cherwell Council. An appropriate funding structure will be put in place to administer the process.
- 6.1.5 Nevertheless, the Travel Plan needs partnership for success. The Travel Plan Co-ordinator will establish partnerships with external resources and maintain links and lines of communication to keep up to date on the information, initiatives and new technology in sustainable travel. Their role is identified as follows:
- Travel Plan Co-ordinator – will be able to provide support, advice and guidance on sustainable transport options and initiatives in order to try to ensure Local Authority sustainable transport goals and objectives are met; and
  - Public Transport Operator – to provide the latest information on the frequency, routing and fares.



*Figure 6.1 Travel Plan Administrative Structural*

## 6.2 Marketing and Consultation

- 6.2.1 The prospective residents' travel behaviour can be heavily influenced by the benefits arising from a Travel Plan; therefore, it will be promoted as a positive addition by the developer's sales staff, who will be briefed on the sustainable aspects of the development.
- 6.2.2 During the sales process the benefits on offer will be outlined and any promotional discounts and giveaways aimed at promoting green travel highlighted. They will also explain the need for sustainable travel, describing the various travel options and local facilities available.



## 7 Travel Plan Target

- 7.1.1 A Travel Plan is a dynamic process that evolves over time in accordance with the changing circumstances of a community and its environment. It is not a one-off process to be undertaken and finalised; rather it is the start of a continued management programme in which responsibility is taken for the consequences associated with day-to-day travel to the site.
- 7.1.2 To assess the effectiveness of these preliminary initiatives and mechanisms, a set of performance indicators in the form of measurable goals and milestone activities has been identified. These targets will be based on the SMART system, "**S**pecific; **M**easurable; **A**chievable; **R**ealistic; **T**ime-bound", and will be treated as a "starting point" from which the Travel Plan will evolve based upon information to be gathered through a site travel survey.
- 7.1.3 During the first year of the Travel Plan, the targets are relatively broad, and no measured values have been identified. This is to allow the Travel Plan Coordinator time to identify the issues and responses necessary to take the Travel Plan forward. There are four general actions for the Travel Plan to achieve in its first year of opening:
- Appointment of a Travel Plan Coordinator;
  - Preparation of a Travel Plan Welcome Pack;
  - Management of a Webpage/Travel Information Board; and
  - Arrange and undertake the first Travel Survey.
- 7.1.4 The initial targets have been set for a 5-year period post build out to achieve:
- A reduction in solo vehicle usage;
  - Modal share of at least 50% for sustainable modes, and;
  - 75% awareness of the travel plan.
- 7.1.5 Further surveys will be undertaken annually to evaluate the progress in implementing the Travel Plan and measure the achievement against the targets set out above. If the surveys indicate a poorer interim mode shift than anticipated the shortfalls will be identified and measures focused on correcting these problems.
- 7.1.6 In order to meet the aim of the Travel Plan and achieve the set targets, the introduction of a wide range of measures, initiatives and mechanisms is proposed onsite once the development is built and the travel demand is fully understood. The progress of the Travel Plan will be monitored through surveys and traffic counts. Details are included in Section 9 and 10 below.

## 8 Measure and Initiatives

### 8.1 Introduction

8.1.1 In formulating a Travel Plan it is necessary to remember that no single solution will provide an answer to the travel needs of all the future occupants. Each individual will react differently. It is important that a wide range of measures are available so that employees, residents and visitors can choose a travel mode to suit their needs.

8.1.2 It is however understood that the need to travel would heavily rely on the nature of the operation onsite. Therefore, the measures and initiatives proposed in the section below set out only an example of what could be introduced at the site. These might not be feasible and practical to suit all occupants demand and satisfy the requirements of employees and the business operations, and should be reviewed on each occupier's own merit. In view of this, it is recommended that a personalised workplace / resident's travel plan should be prepared and submitted to Cherwell Council by the final occupier of each individual phase within two months of occupation for approval.

### 8.2 Improving Information and Awareness

8.2.1 The Travel Plan will be promoted at an early stage prior to the occupation of the development. This should assist in changing prospective employees, residents, and visitors' perceptions about the convenience and benefits of using the car when alternatives exist so that perceived barriers to non-car mode travel are overcome.

8.2.2 A **Travel Information Webpage** will be launched for the site and embedded within the main website for the Hawkwell Village Development. A prominent feature box could be displayed on the home page directing viewers towards the Travel Plan and Travel Welcome Pack. This would provide a central focus and one stop shop for prospective employees, residents, and occupiers to consult on their transport needs. The webpage could also provide information explaining the positives of sustainable travel which could include a description of the various travel facilities in and around the site. Details on the implementation and monitoring of the travel plan could also be uploaded to the Travel Webpage.

8.2.3 A **Travel Plan Welcome Pack** will be prepared at an early stage and introduced to the employees and residents as part of the site induction/welcome process. This could be developed in close consultation with Cherwell Council to include appropriate Travel Plan Literature. This pack could:

- set out reasons to use sustainable transport, emphasising the health and environmental benefits;
- explain how individuals can travel sustainably, including methods of driving to reduce emissions;
- contain a list of web addresses for useful sites associated with public transport, cycling, walking and car sharing, as well as that to the site Main Webpage;
- useful walking and cycling advice, providing a map presenting the cycle and pedestrian links to local amenities;
- advertise any free or discounted passes and goods that are being used to promote bus and cycle use;
- A leaflet working out how much money you can save from not using your car; and
- Contact details of the Travel Co-ordinator.

8.2.4 A **Dedicated Notice Board** helps provide a focal point for information and dissemination. This could potentially be provided in an area generally accessible to employees, residents and visitors such as, public open space, and building's foyer or reception area. The notice board would display details of the plan and progress towards the targets. It could be used to publicise events such as "bike to work day" and "car free days" plus provide details of public transport and cycle way networks. It could include information on:

- The progress in implementing the Travel Plan;
- An Event Calendar listing National and Local Travel Events;
- The best walking and cycling routes in the area connecting with the site;
- Cycle shops in the area;
- Taxi Company Information
- Bus and ferry route information including timetables;
- Information on public transport season tickets and passes; and
- Information about the Travel Plan Community Meeting.

8.2.5 **Personalised Travel Planning** drop-in sessions could be organised onsite at a regular interval for both employees and residents offering face to face discussion with the Travel Plan Co-ordinators/ advisors to discuss each individual's travel needs and available travel choices.

### 8.3 Walking/Cycling

8.3.1 Considering the site accessibility by sustainable means of travel, it is felt that there is a great opportunity to boost the number of cyclist and pedestrian journeys. To maximise the proportion of the walking and cycling journeys, potential recommendations are proposed as follows:

- Facilitate good quality, safe and secure cycle parking storage within the buildings and public open space, as well as essential maintenance equipment such as bicycle pumps. The demand of cycle parking could be monitored and reviewed each year with additional facilities provided if increased demand is observed;
- Highlight the best walking and cycling routes in the area with maps and posters on the travel information webpage and the Notice Board;
- Arrange a "Cycle Clinic" at regular intervals in partnership with a local cycle retailer providing a free service for the residents, employees and customers arriving by bike;
- Emphasise the health and economic benefits of walking/cycling through distribution of suitable leaflets/campaigns;
- Organise schemes such as the Sustrans "Bike It" scheme providing opportunities for cyclists to meet informally discussing cycle related issues and exchanging their experiences on bicycle maintenance and repair;
- Set up promotional initiatives, such as Cycle/Walk to work Week; and
- Offer cycle proficiency training for both residents and employees.

## 8.4 Public Transport

8.4.1 With a view to promoting the use of public transport (i.e. over car-based journeys), the following initiatives could be introduced:

- Details of the public transport routes to the site could be displayed on the site website and the Travel Notice Board to provide residents and visitors with information on how to access the site by buses; and
- Travel newsletters could be circulated at regular intervals to inform of any changes on local bus and train services and keep passengers updated with the latest timetables, travel routes and fares.

## 8.5 Car Sharing

8.5.1 Car sharing is considered appropriate and practical for employees and residents who will share similar working patterns and thus travel time. A site car share database could be set up to allow employees and residents to register their journey and find suitable match. In addition, employees and residents will also be encouraged to register on a Nation-wide Car Share Database run by 'Liftshare' – <https://liftshare.com>. Detailed Information on how and why to join such scheme could be included as part of the Travel Plan Welcome Pack.

8.5.2 A Fuel for Thought leaflet could also be provided to all those that choose to drive, to raise awareness of the cost of fuel.

## 8.6 Residential Measures and Initiatives

8.6.1 In addition to the above general initiatives, the following could also be made available to the future residents onsite:

- Include infrastructure for the charging of electric cars and bicycles;
- Promotion of online home shopping; and
- Upon effective occupation, the Site-Wide Travel Co-ordinator will investigate the need for 'travel to school' and liaise with Cherwell Council on travel schemes that are available for local schools and the targets set for school travel.

## 8.7 Commercial/Employment Initiatives and Measures

8.7.1 Case Studies carried out by Department of Transport Plan on the impact of the workplace travel plan, as part of the research paper "Smarter Choice Document – Changing the way we travel" published in 2005, indicates that an average 18% reduction in private car use can be delivered through an effective Travel Plan. In light of this, potential tailored initiatives and mechanisms are also proposed that could specifically meet the requirements of retail and business operation onsite. These could include:

- Shower, lockers and changing facilities for staff who wish to walk or cycle to work;
- Designate parking spaces for staff that car share and provide a "Guaranteed Ride Home" policy to all users who will have a ride home in the event of an unforeseen problem arising e.g. picking a sick child up from school;
- Include infrastructure for the charging of electric cars;
- Negotiate with local cycle retailers to provide discounts on bicycles, cycle equipment and servicing to employees onsite;

- Investigate the feasibility of setting up a "Government Cycle to Work" scheme that provides employees who do not own a bike the opportunity to cycle. The scheme allows employers to loan cycle and cycle equipment to their staff as a tax-free benefit and which in return employer benefits from a healthier workforce;
- Promote smarter working practices where is practical to reduce the need of travel by introducing telephone/ video conferencing, flexitime arrangement and home working;
- Negotiate with the local bus operator and Cherwell Council to provide a discount on seasonal bus ticket, particularly for the Town's Park and Ride Services; and
- Synchronise the delivery and services schedule and reduce the impact of Heavy Goods vehicles.

## 9 Action Plan

9.1.1 In order to assess the progress of the Travel Plan once implemented, a time-bound Action Plan has been produced with detailed information on the responsibility, programme and anticipated performance of each of the proposed measures.

Measures	Timescale	Responsibility
Introduction of appropriate site-specific infrastructure such as covered cycle spaces	Prior to occupation	Developer
Appoint a Site Wide Travel Plan Co-ordinators	Prior to occupation	Developer
Introduce awareness raising measures such as travel plan welcome pack, travel notice board and promote sustainable travel events.	Prior to occupation	Developer/TPC
Measures to promote sustainable travel such as those detailed in Section 8;	Within the first year of opening and thereafter ongoing	TPC
Measures to promote Car Sharing such as those detailed in Section 8;	Within the first year of opening and thereafter ongoing	TPC
Undertake initial Travel Surveys	When a critical mass of 20% occupation is achieved	TPC
Follow on Travel Surveys	Annually 12 months after full 20% occupation is achieved	TPC
Complete review(s) of the Workplace Travel Plans	2 months after completion of the annual travel survey	TPC

*Table 9.1 Travel Plan Action Plan*



## 10 Monitoring

### 10.1 Preamble

10.1.1 Travel Planning evolves over time in accordance with the changing circumstances of a community and its environment. A robust monitoring strategy is central to ensure the delivery of such document and gauge the effectiveness of the proposed measures.

### 10.2 Monitoring Process

10.2.1 A basic annual monitoring and review programme will be introduced at the site with the first survey being carried out when a critical mass of "20%" is achieved. The monitoring survey detailed below will be conducted to assess whether targets are being met and the effectiveness of the implemented measures. This review will involve updating the Travel Plan document to consider changes to transport availability, changes in travel patterns, changes in staff numbers and revisions to targets and measures.

### 10.3 Travel Surveys

10.3.1 The monitoring will be undertaken in-house by the TPC and an approved travel questionnaire (A Sample Questionnaire is included within **Appendix C**) will be issued to both residents and employees to reveal their travel habits and share their view on the implementation of the Site Framework Travel Plan. All questionnaire surveys will be required to achieve a minimum 40% response rate to secure a suitable confidence in the results, otherwise the survey will be repeated to seek further response. To maximise the response rate and encourage the participation amongst employees and residents, incentives such as raffle prizes could be introduced.

### 10.4 Reporting



















10.4.1 Upon the completion of the follow-up surveys, the TPC will compile an annual Monitoring Report (within 2 months of the travel survey) to outline the outturn results of the travel surveys and any on-going monitoring of measure uptake;

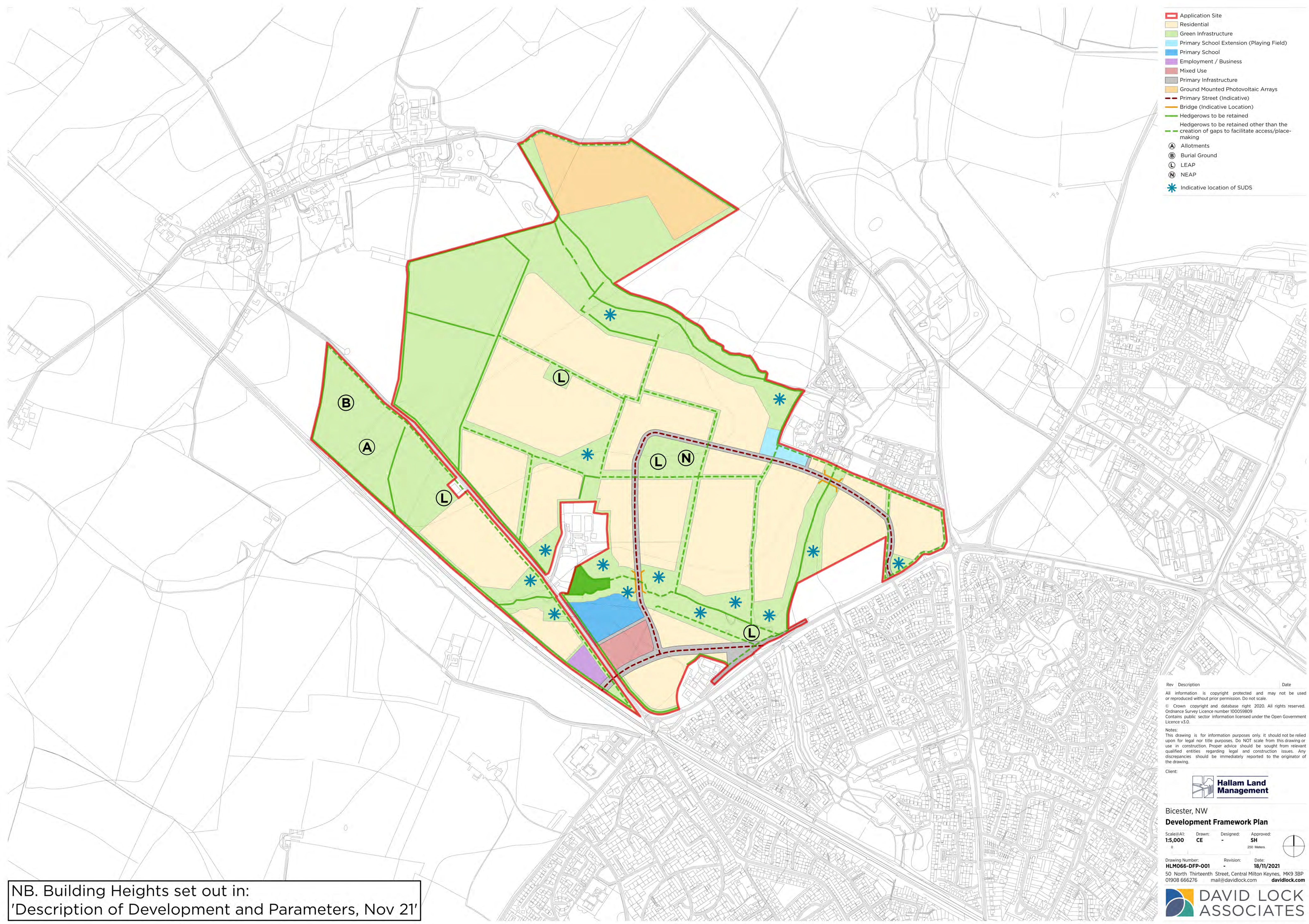
- to assess the progress of the travel plan;
- to gauge the efficiency of the proposed measures and initiatives;
- to examine the level of commitment and support received; and
- to identify the aspects of the Travel Plan that are not being adhered to.

10.4.2 The monitoring report will then be issued to the Travel Plan Officer and retained for records. A summary of the findings and how new or revised measures have been conducted will be made available to all residents and employees, both on the Webpage and through appropriate correspondence, perhaps as part of a site newsletter if one is produced.

## **Appendix A: Development Layout**



-  Application Site
-  Residential
-  Green Infrastructure
-  Primary School Extension (Playing Field)
-  Primary School
-  Employment / Business
-  Mixed Use
-  Primary Infrastructure
-  Ground Mounted Photovoltaic Arrays
-  Primary Street (Indicative)
-  Bridge (Indicative Location)
-  Hedgerows to be retained
-  Hedgerows to be retained other than the creation of gaps to facilitate access/place-making
-  Allotments
-  Burial Ground
-  LEAP
-  NEAP
-  Indicative location of SUDS



Rev Description Date  
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Bicester, NW  
**Development Framework Plan**  
 Scale@A1: 15,000 Drawn: CE Designed: SH Approved: SH  
 0 250 Meters  
 Drawing Number: HLM066-DFP-001 Revision: 18/11/2021  
 50 North Thirteenth Street, Central Milton Keynes, MK9 3BP  
 01908 666276 mail@davidlock.com davidlock.com



NB. Building Heights set out in: 'Description of Development and Parameters, Nov 21'



## **Appendix B: Bus Timetables**

**505****Brackley - Bicester**

Stagecoach in Oxfordshire

Timetable valid from 29/08/2021 until further notice.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

**Mondays to Fridays**

<b>Brackley, o/s Tesco</b>	0647	0752	0902	—	1202	—	—	1732
§ Brackley, opp Churchill Way	0648	0753	0903	—	1203	—	—	1733
<b>Brackley, opp Market Place</b>	0650	0755	0905	1105	1205	1405	1635	1735
§ Brackley, o/s Winchester House	0650	0755	0905	1105	1205	1405	1635	1735
§ Brackley, opp Church Road	0651	0756	0906	1106	1206	1406	1636	1736
§ Brackley, opp Jarvis Court	0652	0757	0907	1107	1207	1407	1637	1737
§ Brackley, opp Top Station Road	0652	0757	0907	1107	1207	1407	1637	1737
§ Brackley, adj Hawthorn Drive	0653	0758	0908	1108	1208	1408	1638	1738
<b>Brackley, adj Jutland Drive</b>	0655	0800	0910	1110	1210	1410	1640	1740
<b>Elmsbrook, Charlotte Avenue (S-bound)</b>	0713	0818	0928	1128	1228	1428	1658	1758
§ Bicester, Banbury Road Roundabout (S-bound)	0713	0818	0928	1128	1228	1428	1658	1758
§ Bicester, opp Barberry Place Shops	0715	0820	0930	1130	1230	1430	1700	1800
§ Bicester, adj Blake Road	0715	0820	0930	1130	1230	1430	1700	1800
§ Highfield, opp Rowan Road	0716	0821	0931	1131	1231	1431	1701	1801
<b>Bicester Town Centre, Manorsfield Road (Stand 5)</b>	0719	0824	0934	1134	1234	1434	1704	1804
<b>Bicester, Bicester Village Station (main entrance)</b>	0722	0827	0937	1137	1237	1437	1707	1807

**Saturdays**

0647	0752	0902	—	1202	—	—	1732
0648	0753	0903	—	1203	—	—	1733
0650	0755	0905	1105	1205	1405	1635	1735
0650	0755	0905	1105	1205	1405	1635	1735
0651	0756	0906	1106	1206	1406	1636	1736
0652	0757	0907	1107	1207	1407	1637	1737
0652	0757	0907	1107	1207	1407	1637	1737
0653	0758	0908	1108	1208	1408	1638	1738
0655	0800	0910	1110	1210	1410	1640	1740
0713	0818	0928	1128	1228	1428	1658	1758
0713	0818	0928	1128	1228	1428	1658	1758
0715	0820	0930	1130	1230	1430	1700	1800
0715	0820	0930	1130	1230	1430	1700	1800
0716	0821	0931	1131	1231	1431	1701	1801
0719	0824	0934	1134	1234	1434	1704	1804
0722	0827	0937	1137	1237	1437	1707	1807

**Sundays**

no service

**Bank Holidays**

no service

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

**505****Brackley - Bicester**

Stagecoach in Oxfordshire

Timetable valid from 29/08/2021 until further notice.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

**Mondays to Fridays**

<b>Bicester, Bicester Village Station (main entrance)</b>	0730	0840	0940	1140	1240	1445	1710	1815
<b>Bicester Town Centre, Manorsfield Road (Stop 8)</b>	0733	0843	0943	1143	1243	1448	1713	1818
§ Highfield, adj Rowan Road	0734	0844	0944	1144	1244	1449	1714	1819
§ Bicester, opp Blake Road	0735	0845	0945	1145	1245	1450	1715	1820
§ Bicester, o/s Barberry Place Shops	0736	0846	0946	1146	1246	1451	1716	1821
§ Bicester, Banbury Road Roundabout (N-bound)	0737	0847	0947	1147	1247	1452	1717	1822
<b>Elmsbrook, Charlotte Avenue (N-bound)</b>	0738	0848	0948	1148	1248	1453	1718	1823
<b>Brackley, o/s Tesco</b>	0752	0902	1002	1202	1302	1507	1732	1837
§ Brackley, opp Churchill Way	—	—	1003	—	1303	1508	—	1838
<b>Brackley, opp Market Place</b>	—	—	1005	—	1305	1510	—	1840
§ Brackley, o/s Winchester House	—	—	—	—	—	—	—	1840
§ Brackley, opp Church Road	—	—	—	—	—	—	—	1841
§ Brackley, opp Jarvis Court	—	—	—	—	—	—	—	1842
§ Brackley, opp Top Station Road	—	—	—	—	—	—	—	1842
§ Brackley, adj Hawthorn Drive	—	—	—	—	—	—	—	1843
<b>Brackley, adj Jutland Drive</b>	—	—	—	—	—	—	—	1845

**Saturdays**

0730	0840	0940	1140	1240	1445	1710	1815
0733	0843	0943	1143	1243	1448	1713	1818
0734	0844	0944	1144	1244	1449	1714	1819
0735	0845	0945	1145	1245	1450	1715	1820
0736	0846	0946	1146	1246	1451	1716	1821
0737	0847	0947	1147	1247	1452	1717	1822
0738	0848	0948	1148	1248	1453	1718	1823
0752	0902	1002	1202	1302	1507	1732	1837
—	—	1003	—	1303	1508	—	1838
—	—	1005	—	1305	1510	—	1840
—	—	—	—	—	—	—	1840
—	—	—	—	—	—	—	1841
—	—	—	—	—	—	—	1842
—	—	—	—	—	—	—	1842
—	—	—	—	—	—	—	1843
—	—	—	—	—	—	—	1845

**Sundays**

no service

**Bank Holidays**

no service

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

**505****Brackley - Bicester**

Stagecoach in Oxfordshire

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgt 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

You can also get the same information by using the SMS code at [www.nextbuses.mobi](http://www.nextbuses.mobi) (only normal browsing charges apply) or through several iPhone or Android apps that offer access to **NextBuses**.

**NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.**

SMS Code	Stop Name	Street	ATCO Code
ntheadt	Brackley, o/s Tesco	Oxford Road	300000037T
nthdpdgm	Brackley, opp Churchill Way	Bridge Street	300000037ML
ntheadtm	Brackley, opp Market Place	High Street	300000037G
nthwdpdm	Brackley, o/s Winchester House	High Street	300000037WS
ntheadadj	Brackley, opp Church Road	High Street	300000037HI
nthwdpdp	Brackley, opp Jarvis Court	Burwell Hill	300000037JC
ntheadaga	Brackley, opp Top Station Road	Burwell Hill	300000037TS
nthdmpda	Brackley, adj Hawthorn Drive	Radstone Road	300000037RR
nthdwmjm	Brackley, adj Jutland Drive	Poppyfields Way	300000037JD
oxfgwdpd	Elmsbrook, Charlotte Avenue (S-bound)	B4100 Banbury Road	340002358OPP
oxfawtpd	Bicester, Banbury Road Roundabout (S-bound)	Banbury Road	340002357SOU
oxfawtpj	Bicester, opp Barberry Place Shops	Banbury Road	340003256OPP
oxfawtp	Bicester, adj Blake Road	Banbury Road	340003255CNR
oxfawtwa	Highfield, opp Rowan Road	Banbury Road	340003254OPP
oxfawdwm	Bicester Town Centre, Manorsfield Road (Stand 5)	Manorsfield Road	34000093BP5
oxfgmagw	Bicester, Bicester Village Station (main entrance)	Station Approach	340001734APP



**505****Brackley - Bicester**

Stagecoach in Oxfordshire

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgttd 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

You can also get the same information by using the SMS code at [www.nextbuses.mobi](http://www.nextbuses.mobi) (only normal browsing charges apply) or through several iPhone or Android apps that offer access to **NextBuses**.

**NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.**

SMS Code	Stop Name	Street	ATCO Code
oxfgmagw	Bicester, Bicester Village Station (main entrance)	Station Approach	340001734APP
oxfgtmjp	Bicester Town Centre, Manorsfield Road (Stop 8)	Manorsfield Road	340000093BP8
oxfawtwd	Highfield, adj Rowan Road	Banbury Road	340003254CNR
oxfawtpw	Bicester, opp Blake Road	Banbury Road	340003255OPP
oxfawtpm	Bicester, o/s Barberry Place Shops	Banbury Road	340003256OUT
oxfawtpg	Bicester, Banbury Road Roundabout (N-bound)	Banbury Road	340002357NOR
oxfgtpjd	Elmsbrook, Charlotte Avenue (N-bound)	B4100 Banbury Road	340002358ELM
ntheadadt	Brackley, o/s Tesco	Oxford Road	300000037T
nthdpgdm	Brackley, opp Churchill Way	Bridge Street	300000037ML
ntheadatm	Brackley, opp Market Place	High Street	300000037G
nthdwdpm	Brackley, o/s Winchester House	High Street	300000037WS
ntheadadj	Brackley, opp Church Road	High Street	300000037HI
nthdwdpg	Brackley, opp Jarvis Court	Burwell Hill	300000037JC
ntheadaga	Brackley, opp Top Station Road	Burwell Hill	300000037TS
nthdmpda	Brackley, adj Hawthorn Drive	Radstone Road	300000037RR
nthdwmjm	Brackley, adj Jutland Drive	Poppyfields Way	300000037JD



**505**

**Brackley - Bicester**

Stagecoach in Oxfordshire

**Important information related to service 505 at 15:15:01 on 13th September 2021**

**Face Coverings on Stagecoach services**

*Valid from 1617 on 02 Aug 2021 until 2359 on 30 Nov 2021*

Please keep wearing a face covering throughout your journey

**Timetables**

Select a timetable using the bookmarks (on the left of this page). Choose the direction and day of travel you require. Stop and Street Names and SMS codes are also available.

**E1****Elmsbrook Estate - Bicester Village Station**

Grayline Coaches

Timetable valid from 01/10/2019 until further notice.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

**Mondays to Fridays**

<b>Elmsbrook, Braeburn Avenue (S-bound)</b>	0638	0710	0750	0825	0900	00	30	1630	1700	1740	1805	1840			
<b>Elmsbrook, opp Gagle Brook School</b>	0640	0712	0752	0827	0902	02	32	1632	1702	1742	1807	1842			
§ Elmsbrook, Tayberry Close (E-bound)		0712	0752	0827	0902	02	32	1632	1702	1742	1807	1842			
§ Elmsbrook, Charlotte Avenue (N-bound)		0712	0752	0828	0903	03	33	1633	1703	1743	1808	1843			
§ Caversfield, o/s Old Vicarage		0714	0754	0831	0904	04	34	1634	1705	1744	1809	1844			
§ Bicester, Banbury Road Roundabout (S-bound)	0641	0716	0756	0836	0907	07	37	1637	1709	1747	1812	1847			
§ Bicester, opp Barbary Place Shops	0642	0717	0757	0838	0908	then	08	38	1638	1710	1748	1813	1848		
§ Bicester, adj Blake Road	0642	0717	0757	0839	0909	at	09	39	1639	1711	1749	1814	1849		
§ Highfield, opp Rowan Road	0643	0718	0758	0840	0910	these	10	40	1640	1712	1750	1815	1850		
<b>Bicester Town Centre, Manorsfield Road (Stand 6)</b>	arr	0645	0720	0800	0844	0912	mins	12	42	until	1642	1715	1752	1817	1852
<b>Bicester Town Centre, Manorsfield Road (Stand 6)</b>	dep	0646	0721	0801	0850	0920	past	20	50		1650	1720	1755	1820	1855
<b>Bicester, Bicester Village Station (main entrance)</b>	arr	0650	0725	0805			each							1824	1859
<b>Bicester, Bicester Village Station (main entrance)</b>	dep	0655	0735	0810			hour							1825	1900
<b>Bicester Town Centre, Manorsfield Road (Stop 8)</b>	arr	0659	0739	0814										1829	1904
<b>Bicester Town Centre, Manorsfield Road (Stop 8)</b>	dep	0700	0740	0815										1830	1905
§ Highfield, adj Rowan Road	0702	0742	0817	0852	0922		22	52	1652	1726	1757	1832	1907		
§ Bicester, opp Blake Road	0704	0744	0819	0854	0924		24	54	1654	1729	1759	1834	1908		
§ Bicester, Banbury Road Roundabout (N-bound)	0706	0746	0821	0856	0926		26	56	1656	1735	1801	1836	1910		
<b>Elmsbrook, Charlotte Avenue (N-bound)</b>	0708	0748	0823	0858	0928		28	58	1658	1738	1803	1838	1912		

**Saturdays**

<b>Elmsbrook, Braeburn Avenue (S-bound)</b>	0750	0825	0900			00	30	1630	1700	1740					
<b>Elmsbrook, opp Gagle Brook School</b>	0752	0827	0902			02	32	1632	1702	1742					
§ Elmsbrook, Tayberry Close (E-bound)	0752	0827	0902			02	32	1632	1702	1742					
§ Elmsbrook, Charlotte Avenue (N-bound)	0752	0828	0903			03	33	1633	1703	1743					
§ Caversfield, o/s Old Vicarage	0754	0831	0904			04	34	1634	1705	1744					
§ Bicester, Banbury Road Roundabout (S-bound)	0756	0836	0907			07	37	1637	1709	1747					
§ Bicester, opp Barbary Place Shops	0757	0838	0908	then		08	38	1638	1710	1748					
§ Bicester, adj Blake Road	0757	0839	0909	at		09	39	1639	1711	1749					
§ Highfield, opp Rowan Road	0758	0840	0910	these		10	40	1640	1712	1750					
<b>Bicester Town Centre, Manorsfield Road (Stand 6)</b>	arr	0800	0844	0912			mins	12	42	until	1642	1715	1752		
<b>Bicester Town Centre, Manorsfield Road (Stand 6)</b>	dep	0801	0850	0920			past	20	50		1650	1720	1755		
<b>Bicester, Bicester Village Station (main entrance)</b>	arr	0805					each								
<b>Bicester, Bicester Village Station (main entrance)</b>	dep	0810					hour								
<b>Bicester Town Centre, Manorsfield Road (Stop 8)</b>	arr	0814													
<b>Bicester Town Centre, Manorsfield Road (Stop 8)</b>	dep	0815													
§ Highfield, adj Rowan Road	0817	0852	0922			22	52	1652	1726	1757					
§ Bicester, opp Blake Road	0819	0854	0924			24	54	1654	1729	1759					
§ Bicester, Banbury Road Roundabout (N-bound)	0821	0856	0926			26	56	1656	1735	1801					
<b>Elmsbrook, Charlotte Avenue (N-bound)</b>	0823	0858	0928			28	58	1658	1738	1803					

**Sundays**

no service

**Bank Holidays**

no service

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown

**E1****Elmsbrook Estate - Bicester Village Station**

Grayline Coaches

For times of the next departures from a particular stop you can use **traveline-txt** - by sending the SMS code to **84268**. Add the service number after the code if you just want a specific service - eg: **buctdgt 60**. The return message from **traveline-txt** will show the next three departures, and it currently costs 25p plus any message sending charge. Departure times will be real-time predictions where available, or scheduled departure times if not.

You can also get the same information by using the SMS code at [www.nextbuses.mobi](http://www.nextbuses.mobi) (only normal browsing charges apply) or through several iPhone or Android apps that offer access to **NextBuses**.

**NOTE: SMS codes are different in each direction. Make sure you choose the right direction from these lists.**

SMS Code	Stop Name	Street	ATCO Code
oxfgwjdg	Elmsbrook, Braeburn Avenue (S-bound)	Braeburn Avenue	340002358SOU
oxfgwdgt	Elmsbrook, opp Gagle Brook School	Cranberry Avenue	340002357SCH
oxfgtmgt	Elmsbrook, Tayberry Close (E-bound)	Charlotte Avenue	340002357ELM
oxfgtpjd	Elmsbrook, Charlotte Avenue (N-bound)	B4100 Banbury Road	340002358ELM
oxfgwdgw	Caversfield, o/s Old Vicarage	unclassified road	340002357VIC
oxfawtpd	Bicester, Banbury Road Roundabout (S-bound)	Banbury Road	340002357SOU
oxfawtpj	Bicester, opp Barberry Place Shops	Banbury Road	340003256OPP
oxfawtpt	Bicester, adj Blake Road	Banbury Road	340003255CNR
oxfawtwa	Highfield, opp Rowan Road	Banbury Road	340003254OPP
oxfgtppg	Bicester Town Centre, Manorsfield Road (Stand 6)	Manorsfield Road	340000093BP6
oxfgmagw	Bicester, Bicester Village Station (main entrance)	Station Approach	340001734APP
oxfgtmjp	Bicester Town Centre, Manorsfield Road (Stop 8)	Manorsfield Road	340000093BP8
oxfawtwd	Highfield, adj Rowan Road	Banbury Road	340003254CNR
oxfawtpw	Bicester, opp Blake Road	Banbury Road	340003255OPP
oxfawtpg	Bicester, Banbury Road Roundabout (N-bound)	Banbury Road	340002357NOR

**E1****Elmsbrook Estate - Bicester Village Station**

Grayline Coaches

**Important information related to service E1 at 15:19:51 on 13th September 2021****Face coverings on this service**

*Valid from 2024 on 16 Jul 2021 until 2359 on 30 Nov 2021*

You will be expected to wear a face covering to travel on this service

**Timetables**

Select a timetable using the bookmarks (on the left of this page). Choose the direction and day of travel you require. Stop and Street Names and SMS codes are also available.

## **Appendix C: Sample Questionnaires**



# THE EMPLOYEE TRAVEL SURVEY

Dear Staff

In order to protect our living environment and promote Active Travel, a Travel Plan is being prepared to form part of the site's policy. To gain a better understanding of current employee travel patterns, please complete the questionnaire based upon your typical travel to work habits on a normal working day. The information provided will be treated confidentially and at no stage will individuals be identified.

Thank you for your co-operation. Please complete all sections of the questionnaire necessary and return it to .....no later than .....

**A     GENERAL INFORMATION**

1.     Please tick the box  that best describes your employment.

1. Full-time	<input type="checkbox"/>
2. Part-time	<input type="checkbox"/>

2.     If you work part-time what is your average number of working hours per week

Less than 20 hours      20 hours or more

3.     Please enter your home postcode

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

**B     YOUR TRAVEL**

4.     Please indicate the main mode of travel you generally use to get TO AND FROM work on a typical weekday and weekend?

MODE	Weekday	Weekend
1. Bus / Coach		
2. Park and Ride		
3. Train		
4. Pedal Cycle		
5. Walked		
6. Motorcycle / moped		
7. Taxi		
8.a. Car (Driver)		
8.b. No of Passengers to store		
9. Car (Passenger)		
10. Park and Ride		

# THE EMPLOYEE TRAVEL SURVEY

5. What are your typical shift times?

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Start Time							
End Time							

6. How long is your typical journey in terms of time and distance? (Approximately)

Time  (mins)                      Distance  (miles)

7. If you drive a car to work, where do you normally park?

Staff Area                       Public Car Park at \_\_\_\_\_  Other  
 Park and Ride at \_\_\_\_\_

8. If you drive to work what are your main reasons for doing so?

Safety Reasons		Weather	
Essential to Perform Job		Too Far to Walk/Cycle	
Drop / Collect Children		Lack of Alternatives	
Health Reasons		Quicker/More Convenient	

Other (Please state).....

9. If you do not drive to work please state why you choose an alternative mode of transport.

No car available / do not drive		No car parking at work	
Cheaper than a car		To avoid congestion	
Environmental concerns		Health / fitness reasons	
Enjoy walking / cycling		Most practical method of travel	

Other (Please state).....

10. Do you have a disability that affects your travel arrangements? Y / N

If yes, what measures are in place to assist you? .....

# THE EMPLOYEE TRAVEL SURVEY

**C     ALTERNATIVES**

**11.     What alternative ways are there for you to travel to/ from work (not ticked in question 4)?**

Reason for not using alternative mode

- 1. Bus .....
- 2. Park and Ride .....
- 3. Train .....
- 4. Pedal Cycle .....
- 5. Walk .....
- 6. Motorbike / Moped .....
- 7. Car Driver Solo .....
- 8. Driver with Passenger(s) .....

**12.     Which of the following would encourage you to use public transport?**

More direct/frequent bus service		More convenient bus drop off points	
Real Time Public Transport Information with the Centre		Better connection to work / home from train station	
Better lighting at bus shelters / footpaths		A quality design Travel Information Pack	
Discount travel tickets		Free Company Buses	

**13.     Which of the following would encourage you to walk / cycle to work?**

Sheltered and secured cycle parking at the Centre		Lockers and changing facilities at work	
Better street lighting		Road safety training	
Traffic free walking/cycling routes		Walking/Cycling with colleague or friends	
Rewards on walking/cycling to work		None of the above	

**16.     If you currently drive to work, would YOU consider sharing the journey?**

- Yes. I would consider it    
  No. I would not consider it

# THE EMPLOYEE TRAVEL SURVEY

**D**      CURRENT TRAVEL DIFFICULTIES

**14.**      **Do you experience any of the following problems?**

Lack of Parking Spaces at Park and Ride, and the onsite multi-storey car park		Lockers and changing facilities at work	
Traffic Congestion enroute to work		Lack of pedestrian crossings	
Traffic is too Fast		No continuous footpath link to the destination	

Other (Please state).....

**15.**      **Do you have any suggestions as to how the employer could help you overcome these problems?**

.....

SAMPLE

# RESIDENTIAL TRAVEL PLAN QUESTIONNAIRE

Being a new housing development, Cherwell Council requested that an annual survey of residents current travel patterns is undertaken to monitor the effectiveness of the Travel Plan.

We would be grateful if you can please complete the questionnaire based upon your typical travel behaviour for all purpose journeys made during a normal week. The information provided will be treated confidentially and at no stage will individuals be identified.

Thank you for your cooperation. Please complete all sections of the questionnaire necessary and return it to **(TBC)**.

## General

1. **How many of you currently live in the household?** (Tick box that applies )

1       2       3       4 or more

2. **Which of the following apply?** (Please write the number of residents in the box next to the appropriate category i.e. if two of the members in the house are at primary school then write '2' in the appropriate box)

Employed		Pre-School	
Unemployed		Primary School	
Student		Secondary School	
House wife/husband		Retired	

Other (Please state).....

3. **How many vehicles do you currently own as a household?** (Tick box that applies )

0       1       2       3 or more

4. **How many bicycles do you own as a household?** (Tick box that applies )

0       1       2       3 or more

5. **Please tick the main/most regular purpose for your journeys on a typical weekday?** (Tick no more than 2 boxes that apply )

Work		School	
Leisure		Visiting Friends	
Shopping		Other	

Other (Please state) .....

Please can each column be filled in for each member of the household older than 16 years. If there are more residents than provided please add your own column and boxes where appropriate.

**Work Related Journeys** (if this does not apply to your household move on to question)

6. Please indicate the main mode of travel you generally use to get TO AND FROM work on a typical weekday and if appropriate on a weekend? Approximately what is your journey to work time in minutes?

MODE	Resident 1		Resident 2		Resident 3	
	Weekday	Weekend	Weekday	Weekend	Weekday	Weekend
1. Bus / Coach						
2. Train / Underground						
3. Cycle						
4. Walk						
5. Motorcycle / moped						
6. Taxi						
7. Solo Car Driver						
8. Car Driver with Passengers						
9. Car Passenger						
Journey Time (minutes)						

Note: If no members of the household currently drive solo or as a passenger, skip to next question

7. If you drive to work what are your main reasons for doing so? (Tick box or boxes that apply )

Essential to Perform Job	<input type="checkbox"/>	Safety Reasons	<input type="checkbox"/>
Drop / Collect Children	<input type="checkbox"/>	Lack of Alternatives	<input type="checkbox"/>
Health Reasons	<input type="checkbox"/>	Other	<input type="checkbox"/>

Other(Please state) .....

8. What alternative ways are there for you to travel to and from work? (Tick all that apply ). Briefly state the reasons why you do not use them more often.

	Reason for not using alternative mode
<input type="checkbox"/> 1. Bus	.....
<input type="checkbox"/> 2. Rail/Underground	.....
<input type="checkbox"/> 3. Pedal Cycle	.....
<input type="checkbox"/> 4. Walk	.....
<input type="checkbox"/> 5. Motorbike / Moped	.....
<input type="checkbox"/> Other (Please State)	.....



**9. Which of the following would encourage you to use public transport? (Tick box or boxes that apply )**

More direct bus routes	<input type="checkbox"/>	More convenient bus drop off points	<input type="checkbox"/>
More frequent bus services	<input type="checkbox"/>	Public transport information	<input type="checkbox"/>
Better lighting at bus shelters / footpaths	<input type="checkbox"/>	None of the above	<input type="checkbox"/>
Discount travel tickets	<input type="checkbox"/>	Other (please state below)	<input type="checkbox"/>

Other (Please state) .....

**10. If you do not drive to work please state why you choose an alternative mode of transport. (Tick box or boxes that apply )**

No car available	<input type="checkbox"/>	No car parking at work	<input type="checkbox"/>
Do not drive	<input type="checkbox"/>	To avoid congestion	<input type="checkbox"/>
Environmental concerns	<input type="checkbox"/>	Health / fitness reasons	<input type="checkbox"/>
Enjoy walking / cycling	<input type="checkbox"/>	Most practical method of travel	<input type="checkbox"/>
Cheaper than a car	<input type="checkbox"/>	Other	<input type="checkbox"/>

Other (Please state) .....

**11. Which of the following would encourage you to walk / cycle to work? (Tick box or boxes that apply )**

Improved cycle / footpaths at work or on the journey to work	<input type="checkbox"/>	Lockers and changing facilities at work	<input type="checkbox"/>
Improved cycle parking facilities at work	<input type="checkbox"/>	None of the above	<input type="checkbox"/>

Other (Please state).....

**School Journeys** (if this does not apply to your household move on to question 14)

12. Please indicate the main mode of travel used to get TO AND FROM school on a typical weekday? (Tick box or boxes that apply )

	Car	Train	Walk	Cycle	Bus	Taxi	Other
Primary School							
Secondary School							

Other (Please state).....

13. If the car is used for the school journeys what are the main reasons for this? (Tick box or boxes that apply )

Convenient		Safety Reasons	
On the way to work		Other	
Lack of alternatives			

Other (Please state) .....

**Other Purpose Journeys**

14. What is your main method of transport used for the following other purpose journeys? (Tick only 1 method of transport for each element )

	Car Driver	Car Passenger	Train	Walk	Cycle	Bus	Taxi	Other
Shopping								
Leisure Activities								
Doctors/Dentist								
Out of Town								
Other								

Other (Please state) .....

**Car Sharing** (Car sharing is when two or more commuters travel to work in the same car together)

15. If you currently drive to work, would YOU consider sharing the journey?

Yes. I would consider it
  No. I would not consider it

If no, why do you say this?

.....

What would encourage you to car share?

.....

**Thank you for sparing the time to complete this survey**

## **Appendix I: TRICS Data**

Calculation Reference: AUDIT-829401-210720-0727

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT  
 Category : D - INDUSTRIAL ESTATE  
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	2 days
	EX ESSEX	3 days
03	SOUTH WEST	
	BR BRISTOL CITY	2 days
	DV DEVON	1 days
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NR NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	HE HEREFORDSHIRE	1 days
	WK WARWICKSHIRE	4 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	3 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
	WY WEST YORKSHIRE	6 days
08	NORTH WEST	
	GM GREATER MANCHESTER	1 days
	LC LANCASHIRE	3 days
09	NORTH	
	TW TYNE & WEAR	2 days
10	WALES	
	SW SWANSEA	2 days
	VG VALE OF GLAMORGAN	1 days
11	SCOTLAND	
	AG ANGUS	1 days
	FA FALKIRK	1 days
	FI FIFE	1 days

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

## Primary Filtering selection:

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: Gross floor area  
Actual Range: 1138 to 974258 (units: sqm)  
Range Selected by User: 552 to 974258 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

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

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

Selected survey days:

Monday	6 days
Tuesday	10 days
Wednesday	5 days
Thursday	10 days
Friday	10 days

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

Selected survey types:

Manual count	41 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Suburban Area (PPS6 Out of Centre)	13
Edge of Town	28

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

Selected Location Sub Categories:

Industrial Zone	21
Commercial Zone	1
Development Zone	2
Residential Zone	8
Out of Town	2
No Sub Category	7

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

## Secondary Filtering selection:

Use Class:

Not Known	41 days
-----------	---------

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

## Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	8 days
10,001 to 15,000	9 days
15,001 to 20,000	6 days
20,001 to 25,000	5 days
25,001 to 50,000	11 days
50,001 to 100,000	1 days

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

Population within 5 miles:

25,001 to 50,000	4 days
50,001 to 75,000	2 days
75,001 to 100,000	5 days
100,001 to 125,000	3 days
125,001 to 250,000	18 days
250,001 to 500,000	7 days
500,001 or More	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	17 days
1.1 to 1.5	22 days
1.6 to 2.0	2 days

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Travel Plan:

No	41 days
----	---------

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

No PTAL Present	41 days
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*This data displays the number of selected surveys with PTAL Ratings.*

LIST OF SITES relevant to selection parameters

1	AG-02-D-02 A933 WESTWAY ARBROATH HOSPITALFIELD Edge of Town No Sub Category Total Gross floor area: 78500 sqm <i>Survey date: TUESDAY 25/04/17</i>	INDUSTRIAL ESTATE	ANGUS	<i>Survey Type: MANUAL</i>
2	BR-02-D-04 CROFTS END ROAD BRISTOL SPEEDWELL Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 18018 sqm <i>Survey date: FRIDAY 29/11/13</i>	INDUSTRIAL ESTATE	BRISTOL CITY	<i>Survey Type: MANUAL</i>
3	BR-02-D-05 NOVERS HILL BRISTOL BEDMINSTER Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 18128 sqm <i>Survey date: FRIDAY 29/11/13</i>	INDUSTRIAL ESTATE	BRISTOL CITY	<i>Survey Type: MANUAL</i>
4	CA-02-D-04 LINCOLN ROAD PETERBOROUGH  Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area: 4133 sqm <i>Survey date: TUESDAY 02/12/14</i>	INDUSTRIAL ESTATE	CAMBRI D GESHIRE	<i>Survey Type: MANUAL</i>
5	DS-02-D-02 SHAFTESBURY STREET DERBY ROSE HILL Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area: 5686 sqm <i>Survey date: WEDNESDAY 25/09/19</i>	INDUSTRIAL ESTATE	DERBYSHIRE	<i>Survey Type: MANUAL</i>
6	DV-02-D-07 BITTERN ROAD EXETER SOWTON IND. ESTATE Edge of Town Industrial Zone Total Gross floor area: 3600 sqm <i>Survey date: MONDAY 03/07/17</i>	INDUSTRIAL ESTATE	DEVON	<i>Survey Type: MANUAL</i>
7	ES-02-D-06 COURTLANDS ROAD EASTBOURNE  Edge of Town Residential Zone Total Gross floor area: 7525 sqm <i>Survey date: MONDAY 21/10/13</i>	INDUSTRIAL ESTATE	EAST SUSSEX	<i>Survey Type: MANUAL</i>
8	ES-02-D-07 HUGHES ROAD BRIGHTON  Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 6625 sqm <i>Survey date: THURSDAY 16/10/14</i>	INDUSTRIAL ESTATE	EAST SUSSEX	<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

9	EX-02-D-03 WYNCOLLS ROAD COLCHESTER SEVERALLS INDUSTRIAL PK Edge of Town Industrial Zone Total Gross floor area: 4876 sqm <i>Survey date: FRIDAY 18/05/18</i>	INDUSTRIAL ESTATE	ESSEX	<i>Survey Type: MANUAL</i>
10	EX-02-D-04 PASTURE ROAD WITHAM  Edge of Town Industrial Zone Total Gross floor area: 37130 sqm <i>Survey date: THURSDAY 10/05/18</i>	INDUSTRIAL ESTATE	ESSEX	<i>Survey Type: MANUAL</i>
11	EX-02-D-05 HECKWORTH CLOSE COLCHESTER SEVERALLS INDUSTRIAL PK Edge of Town Industrial Zone Total Gross floor area: 7280 sqm <i>Survey date: FRIDAY 18/05/18</i>	INDUSTRIAL ESTATE	ESSEX	<i>Survey Type: MANUAL</i>
12	FA-02-D-02 MAIN STREET FALKIRK GRAHAMSTON Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 21250 sqm <i>Survey date: THURSDAY 30/05/13</i>	INDUSTRIAL ESTATE	FALKIRK	<i>Survey Type: MANUAL</i>
13	FI-02-D-01 DICKSON STREET DUNFERMLINE  Edge of Town Residential Zone Total Gross floor area: 7850 sqm <i>Survey date: THURSDAY 21/05/15</i>	INDUSTRIAL ESTATE	FIFE	<i>Survey Type: MANUAL</i>
14	GM-02-D-07 VULCAN STREET OLDHAM  Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 4400 sqm <i>Survey date: THURSDAY 22/10/15</i>	BUSINESS PARK	GREATER MANCHESTER	<i>Survey Type: MANUAL</i>
15	HE-02-D-02 BURCOTT ROAD HEREFORD  Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 5214 sqm <i>Survey date: TUESDAY 22/10/13</i>	BUSINESS PARK	HEREFORDSHIRE	<i>Survey Type: MANUAL</i>
16	LC-02-D-06 SMALLSHAW LANE BURNLEY  Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 7383 sqm <i>Survey date: THURSDAY 29/09/16</i>	INDUSTRIAL ESTATE	LANCASHIRE	<i>Survey Type: MANUAL</i>
17	LC-02-D-07 CHAIN CAUL WAY PRESTON ASHTON-ON-RIBBLE Edge of Town Industrial Zone Total Gross floor area: 4700 sqm <i>Survey date: FRIDAY 17/11/17</i>	INDUSTRIAL ESTATE	LANCASHIRE	<i>Survey Type: MANUAL</i>



LIST OF SITES relevant to selection parameters (Cont.)

18	LC-02-D-08 NOOK LANE BAMBER BRIDGE	INDUSTRIAL ESTATE	LANCASHIRE
	Edge of Town Industrial Zone Total Gross floor area: 4000 sqm <i>Survey date: TUESDAY 06/11/18</i>		<i>Survey Type: MANUAL</i>
19	LN-02-D-03 DEACON ROAD LINCOLN	INDUSTRIAL ESTATE	LINCOLNSHIRE
	Edge of Town Industrial Zone Total Gross floor area: 11265 sqm <i>Survey date: FRIDAY 28/06/19</i>		<i>Survey Type: MANUAL</i>
20	NR-02-D-01 ROBINSON WAY KETTERING	INDUSTRIAL ESTATE	NORTHAMPTONSHIRE
	Edge of Town Industrial Zone Total Gross floor area: 12900 sqm <i>Survey date: THURSDAY 23/10/14</i>		<i>Survey Type: MANUAL</i>
21	NY-02-D-02 RACECOURSE ROAD RICHMOND	INDUSTRIAL ESTATE	NORTH YORKSHIRE
	Edge of Town Out of Town Total Gross floor area: 35183 sqm <i>Survey date: TUESDAY 12/03/19</i>		<i>Survey Type: MANUAL</i>
22	SW-02-D-01 UPPER FOREST WAY SWANSEA SWANSEA ENTERPRISE PK	INDUSTRIAL ESTATE	SWANSEA
	Edge of Town Industrial Zone Total Gross floor area: 6822 sqm <i>Survey date: WEDNESDAY 09/10/19</i>		<i>Survey Type: MANUAL</i>
23	SW-02-D-02 CLARION COURT SWANSEA SWANSEA ENTERPRISE PK	INDUSTRIAL ESTATE	SWANSEA
	Edge of Town Industrial Zone Total Gross floor area: 5280 sqm <i>Survey date: THURSDAY 10/10/19</i>		<i>Survey Type: MANUAL</i>
24	TW-02-D-07 SWALWELL BANK GATESHEAD WHICKHAM	INDUSTRIAL ESTATE	TYNE & WEAR
	Edge of Town Residential Zone Total Gross floor area: 6800 sqm <i>Survey date: FRIDAY 04/10/13</i>		<i>Survey Type: MANUAL</i>
25	TW-02-D-08 NORTH HYLTON ROAD SUNDERLAND SOUTHWICK Suburban Area (PPS6 Out of Centre) Development Zone	INDUSTRIAL ESTATE	TYNE & WEAR
	Total Gross floor area: 8310 sqm <i>Survey date: TUESDAY 04/04/17</i>		<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

26	VG-02-D-01 ARTHUR STREET BARRY	INDUSTRIAL ESTATE	VALE OF GLAMORGAN
	Edge of Town No Sub Category Total Gross floor area: 13091 sqm <i>Survey date: MONDAY 08/05/17</i>		<i>Survey Type: MANUAL</i>
27	WK-02-D-01 CASTLE MOUND WAY RUGBY	INDUSTRIAL ESTATE	WARWICKSHIRE
	Edge of Town Industrial Zone Total Gross floor area: 150564 sqm <i>Survey date: WEDNESDAY 27/06/18</i>		<i>Survey Type: MANUAL</i>
28	WK-02-D-02 OVERVIEW WAY RUGBY	INDUSTRIAL ESTATE	WARWICKSHIRE
	Edge of Town Industrial Zone Total Gross floor area: 974258 sqm <i>Survey date: WEDNESDAY 27/06/18</i>		<i>Survey Type: MANUAL</i>
29	WK-02-D-03 EASTBORO WAY NUNEATON	INDUSTRIAL ESTATE	WARWICKSHIRE
	Edge of Town Industrial Zone Total Gross floor area: 20860 sqm <i>Survey date: THURSDAY 26/09/19</i>		<i>Survey Type: MANUAL</i>
30	WK-02-D-04 ABELES WAY ATHERSTONE	INDUSTRIAL ESTATE	WARWICKSHIRE
	Edge of Town No Sub Category Total Gross floor area: 17500 sqm <i>Survey date: FRIDAY 27/09/19</i>		<i>Survey Type: MANUAL</i>
31	WL-02-D-02 HEADLANDS GROVE SWINDON	INDUSTRIAL ESTATE	WILTSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 10000 sqm <i>Survey date: TUESDAY 20/09/16</i>		<i>Survey Type: MANUAL</i>
32	WM-02-D-03 JUNCTION ROAD STOURBRIDGE AUDNAM	INDUSTRIAL ESTATE	WEST MIDLANDS
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 1138 sqm <i>Survey date: TUESDAY 28/11/17</i>		<i>Survey Type: MANUAL</i>
33	WO-02-D-01 SANDY LANE STOURPORT-ON-SEVERN	INDUSTRIAL ESTATE	WORCESTERSHIRE
	Edge of Town Commercial Zone Total Gross floor area: 2758 sqm <i>Survey date: FRIDAY 23/05/14</i>		<i>Survey Type: MANUAL</i>
34	WO-02-D-02 WEIR LANE WORCESTER	INDUSTRIAL ESTATE	WORCESTERSHIRE
	Edge of Town Residential Zone Total Gross floor area: 9500 sqm <i>Survey date: MONDAY 14/11/16</i>		<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

35	WO-02-D-03	INDUSTRIAL ESTATE	WORCESTERSHIRE
	MILLENNIUM WAY		
	EVESHAM		
	Edge of Town		
	Out of Town		
	Total Gross floor area:	84575 sqm	
	Survey date: TUESDAY	26/06/18	Survey Type: MANUAL
36	WY-02-D-03	INDUSTRIAL ESTATE	WEST YORKSHIRE
	ARMLEY ROAD		
	LEEDS		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	24980 sqm	
	Survey date: FRIDAY	20/09/13	Survey Type: MANUAL
37	WY-02-D-04	INDUSTRIAL ESTATE	WEST YORKSHIRE
	LAW STREET		
	CLECKHEATON		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	23226 sqm	
	Survey date: THURSDAY	15/09/16	Survey Type: MANUAL
38	WY-02-D-05	INDUSTRIAL ESTATE	WEST YORKSHIRE
	CARR WOOD ROAD		
	CASTLEFORD		
	Edge of Town		
	Development Zone		
	Total Gross floor area:	1776 sqm	
	Survey date: MONDAY	22/05/17	Survey Type: MANUAL
39	WY-02-D-06	INDUSTRIAL ESTATE (PART)	WEST YORKSHIRE
	PIONEER WAY		
	CASTLEFORD		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	4328 sqm	
	Survey date: TUESDAY	23/05/17	Survey Type: MANUAL
40	WY-02-D-07	INDUSTRIAL ESTATE	WEST YORKSHIRE
	THUNDERHEAD RIDGE RD		
	CASTLEFORD		
	GLASSHOUGHTON		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	3191 sqm	
	Survey date: MONDAY	15/05/17	Survey Type: MANUAL
41	WY-02-D-08	INDUSTRIAL ESTATE	WEST YORKSHIRE
	MILL LANE		
	HALIFAX		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	11305 sqm	
	Survey date: WEDNESDAY	17/10/18	Survey Type: MANUAL

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*

TRIP RATE for Land Use 02 - EMPLOYMENT/D - INDUSTRIAL ESTATE

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	5	9792	0.063	5	9792	0.010	5	9792	0.073
06:00 - 07:00	6	10037	0.141	6	10037	0.033	6	10037	0.174
07:00 - 08:00	41	39621	0.149	41	39621	0.042	41	39621	0.191
08:00 - 09:00	41	39621	0.186	41	39621	0.078	41	39621	0.264
09:00 - 10:00	41	39621	0.139	41	39621	0.093	41	39621	0.232
10:00 - 11:00	41	39621	0.114	41	39621	0.099	41	39621	0.213
11:00 - 12:00	41	39621	0.111	41	39621	0.106	41	39621	0.217
12:00 - 13:00	41	39621	0.114	41	39621	0.129	41	39621	0.243
13:00 - 14:00	41	39621	0.131	41	39621	0.116	41	39621	0.247
14:00 - 15:00	41	39621	0.104	41	39621	0.128	41	39621	0.232
15:00 - 16:00	41	39621	0.091	41	39621	0.129	41	39621	0.220
16:00 - 17:00	41	39621	0.086	41	39621	0.164	41	39621	0.250
17:00 - 18:00	41	39621	0.057	41	39621	0.171	41	39621	0.228
18:00 - 19:00	41	39621	0.038	41	39621	0.069	41	39621	0.107
19:00 - 20:00	6	10037	0.098	6	10037	0.148	6	10037	0.246
20:00 - 21:00	6	10037	0.017	6	10037	0.070	6	10037	0.087
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
<b>Total Rates:</b>			1.639			1.585			3.224

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is:  $COUNT/TRP*FACT$ . Trip rates are then rounded to 3 decimal places.

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#### Parameter summary

Trip rate parameter range selected:	1138 - 974258 (units: sqm)
Survey date date range:	01/01/13 - 01/01/20
Number of weekdays (Monday-Friday):	41
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.*

Calculation Reference: AUDIT-829401-210308-0328

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : B - AFFORDABLE/LOCAL AUTHORITY HOUSES  
 TOTAL VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	WL WILTSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	WY WEST YORKSHIRE	3 days
08	NORTH WEST	
	CH CHESHIRE	1 days
	GM GREATER MANCHESTER	1 days
	MS MERSEYSIDE	1 days
09	NORTH	
	NB NORTHUMBERLAND	1 days
11	SCOTLAND	
	DU DUNDEE CITY	1 days

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

## Primary Filtering selection:

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: No of Dwellings  
 Actual Range: 16 to 97 (units: )  
 Range Selected by User: 11 to 516 (units: )

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/12 to 19/10/18

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

Selected survey days:

Monday	2 days
Tuesday	3 days
Wednesday	1 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	9 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Suburban Area (PPS6 Out of Centre)	4
Edge of Town	5

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

Selected Location Sub Categories:

Residential Zone	7
Built-Up Zone	1
No Sub Category	1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

Secondary Filtering selection:

Use Class:

C3 9 days

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

Population within 500m Range:

All Surveys Included

Population within 1 mile:

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

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

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	1 days
75,001 to 100,000	2 days
125,001 to 250,000	4 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	6 days
1.1 to 1.5	3 days

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Travel Plan:

No 9 days

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

No PTAL Present 9 days

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

LIST OF SITES relevant to selection parameters

1	CH-03-B-01 WORDS WORTH CRES. CHESTER BLACON Edge of Town Residential Zone Total No of Dwellings: 80 <i>Survey date: MONDAY 17/11/14</i>	HOUSES & FLATS CHESHIRE	<i>Survey Type: MANUAL</i>
2	DU-03-B-01 307-441 BALUNIE DRIVE DUNDEE DOUGLAS & ANGUS Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 68 <i>Survey date: FRIDAY 21/04/17</i>	TERRACED BUNGALOWS DUNDEE CITY	<i>Survey Type: MANUAL</i>
3	GM-03-B-01 NEWBOLD ROCHDALE  Suburban Area (PPS6 Out of Centre) No Sub Category Total No of Dwellings: 43 <i>Survey date: WEDNESDAY 21/10/15</i>	TERRACED HOUSES GREATER MANCHESTER	<i>Survey Type: MANUAL</i>
4	MS-03-B-01 TARBOCK ROAD LIVERPOOL SPEKE Edge of Town Residential Zone Total No of Dwellings: 16 <i>Survey date: TUESDAY 18/06/13</i>	TERRACED MERSEYSIDE	<i>Survey Type: MANUAL</i>
5	NB-03-B-01 WESTLEA BEDLINGTON  Edge of Town Residential Zone Total No of Dwellings: 97 <i>Survey date: MONDAY 19/11/12</i>	SEMI DET. & TERRACED NORTHUMBERLAND	<i>Survey Type: MANUAL</i>
6	WL-03-B-01 BUTTERFIELD DRIVE AMESBURY  Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings: 54 <i>Survey date: TUESDAY 18/09/18</i>	TERRACED HOUSES WILTSHIRE	<i>Survey Type: MANUAL</i>
7	WY-03-B-02 WHITEACRE STREET HUDDERSFIELD DEIGHTON Edge of Town Residential Zone Total No of Dwellings: 54 <i>Survey date: TUESDAY 17/09/13</i>	MIXED HOUSES WEST YORKSHIRE	<i>Survey Type: MANUAL</i>
8	WY-03-B-03 LINCOLN GREEN ROAD LEEDS  Suburban Area (PPS6 Out of Centre) Built-Up Zone Total No of Dwellings: 29 <i>Survey date: THURSDAY 19/09/13</i>	TERRACED HOUSES WEST YORKSHIRE	<i>Survey Type: MANUAL</i>
9	WY-03-B-04 SYKES CLOSE BATLEY  Edge of Town Residential Zone Total No of Dwellings: 17 <i>Survey date: FRIDAY 19/10/18</i>	TERRACED HOUSES WEST YORKSHIRE	<i>Survey Type: MANUAL</i>

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*



TRIP RATE for Land Use 03 - RESIDENTIAL/B - AFFORDABLE/LOCAL AUTHORITY HOUSES

TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	9	51	0.076	9	51	0.159	9	51	0.235
08:00 - 09:00	9	51	0.162	9	51	0.277	9	51	0.439
09:00 - 10:00	9	51	0.162	9	51	0.227	9	51	0.389
10:00 - 11:00	9	51	0.155	9	51	0.164	9	51	0.319
11:00 - 12:00	9	51	0.138	9	51	0.140	9	51	0.278
12:00 - 13:00	9	51	0.177	9	51	0.138	9	51	0.315
13:00 - 14:00	9	51	0.162	9	51	0.148	9	51	0.310
14:00 - 15:00	9	51	0.177	9	51	0.188	9	51	0.365
15:00 - 16:00	9	51	0.240	9	51	0.181	9	51	0.421
16:00 - 17:00	9	51	0.266	9	51	0.166	9	51	0.432
17:00 - 18:00	9	51	0.275	9	51	0.203	9	51	0.478
18:00 - 19:00	9	51	0.170	9	51	0.142	9	51	0.312
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
<b>Total Rates:</b>			2.160			2.133			4.293

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is:  $COUNT/TRP*FACT$ . Trip rates are then rounded to 3 decimal places.

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#### Parameter summary

Trip rate parameter range selected: 16 - 97 (units: )  
Survey date range: 01/01/12 - 19/10/18  
Number of weekdays (Monday-Friday): 9  
Number of Saturdays: 0  
Number of Sundays: 0  
Surveys automatically removed from selection: 0  
Surveys manually removed from selection: 0

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

Calculation Reference: AUDIT-829401-210308-0335

## TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL  
 Category : A - HOUSES PRIVATELY OWNED  
 TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	WS WEST SUSSEX	1 days
04	EAST ANGLIA	
	NF NORFOLK	1 days

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

## Primary Filtering selection:

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: No of Dwellings  
 Actual Range: 918 to 984 (units: )  
 Range Selected by User: 500 to 4334 (units: )

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/12 to 24/09/19

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

Selected survey days:

Tuesday 2 days

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

Selected survey types:

Manual count 2 days  
 Directional ATC Count 0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Edge of Town 2

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

Selected Location Sub Categories:

Residential Zone 2

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

## Secondary Filtering selection:

Use Class:

C3 2 days

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*

Population within 500m Range:

All Surveys Included

## Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	1 days
10,001 to 15,000	1 days

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

Population within 5 miles:

75,001 to 100,000	1 days
125,001 to 250,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	1 days
1.1 to 1.5	1 days

*This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.*

Travel Plan:

Yes	2 days
-----	--------

*This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.*

PTAL Rating:

No PTAL Present	2 days
-----------------	--------

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

LIST OF SITES relevant to selection parameters

1	NF-03-A-09	MIXED HOUSES & FLATS	NORFOLK
	ROUND HOUSE WAY		
	NORWICH		
	CRINGLEFORD		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	984	
	Survey date: <i>TUESDAY</i>	<i>24/09/19</i>	<i>Survey Type: MANUAL</i>
2	WS-03-A-11	MIXED HOUSES	WEST SUSSEX
	ELLIS ROAD		
	WEST HORSHAM		
	S BROADBRIDGE HEATH		
	Edge of Town		
	Residential Zone		
	Total No of Dwellings:	918	
	Survey date: <i>TUESDAY</i>	<i>02/04/19</i>	<i>Survey Type: MANUAL</i>

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*

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

TOTAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	951	0.055	2	951	0.271	2	951	0.326
08:00 - 09:00	2	951	0.146	2	951	0.349	2	951	0.495
09:00 - 10:00	2	951	0.133	2	951	0.154	2	951	0.287
10:00 - 11:00	2	951	0.086	2	951	0.107	2	951	0.193
11:00 - 12:00	2	951	0.095	2	951	0.090	2	951	0.185
12:00 - 13:00	2	951	0.114	2	951	0.119	2	951	0.233
13:00 - 14:00	2	951	0.115	2	951	0.110	2	951	0.225
14:00 - 15:00	2	951	0.130	2	951	0.135	2	951	0.265
15:00 - 16:00	2	951	0.178	2	951	0.145	2	951	0.323
16:00 - 17:00	2	951	0.225	2	951	0.139	2	951	0.364
17:00 - 18:00	2	951	0.328	2	951	0.164	2	951	0.492
18:00 - 19:00	2	951	0.296	2	951	0.134	2	951	0.430
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
<b>Total Rates:</b>			1.901			1.917			3.818

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is:  $COUNT/TRP*FACT$ . Trip rates are then rounded to 3 decimal places.

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#### Parameter summary

Trip rate parameter range selected:	918 - 984 (units: )
Survey date range:	01/01/12 - 24/09/19
Number of weekdays (Monday-Friday):	2
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	3
Surveys manually removed from selection:	0

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

## **Appendix J: Journey Purpose Data**

Department for Transport statistics

[National Travel Survey](#)

Table NTS0502 (edit)

Trip start time by trip purpose (Monday to Friday only): car/van driver only, England, 2015/19

Start time	Percentage										Unweighted sample size (trips '000s)
	Commuting	Business	Education	Escort education	Shopping	Other work, other escort and personal business	Visiting friends / entertainment / sport	Holiday / Day trip / Other	All purposes		
0000 - 0059	50	6	0	1	3	18	22	1	100	-	
0100 - 0159	69	4	0	1	1	11	13	1	100	-	
0200 - 0259	78	4	0	-	3	7	5	3	100	-	
0300 - 0359	71	6	0	1	3	11	2	5	100	-	
0400 - 0459	75	8	-	-	1	10	2	3	100	1	
0500 - 0559	79	7	-	-	1	8	4	1	100	4	
0600 - 0659	70	8	-	1	2	12	5	2	100	11	
0700 - 0759	58	7	1	8	2	18	4	1	100	28	
0800 - 0859	31	6	1	28	5	23	5	2	100	40	
0900 - 0959	13	8	1	6	22	29	16	5	100	25	
1000 - 1059	5	7	-	1	36	26	18	6	100	25	
1100 - 1159	6	7	-	2	37	24	18	5	100	25	
1200 - 1259	9	8	-	2	33	23	20	4	100	24	
1300 - 1359	14	8	-	1	30	23	20	4	100	23	
1400 - 1459	13	6	-	12	27	21	16	5	100	26	
1500 - 1559	13	5	1	28	18	19	13	4	100	34	
1600 - 1659	30	6	1	6	16	23	14	4	100	34	
1700 - 1759	38	5	-	3	13	23	15	3	100	36	
1800 - 1859	24	4	-	1	17	23	28	3	100	24	
1900 - 1959	13	3	-	-	18	24	38	3	100	16	
2000 - 2059	14	4	-	1	16	23	39	3	100	10	
2100 - 2159	16	4	-	-	9	22	46	2	100	7	
2200 - 2259	25	4	-	-	4	19	46	2	100	5	
2300 - 2359	27	4	-	-	4	20	44	1	100	2	
All day	24	6	-	8	18	22	17	4	100	402	

Five years combined to increase sample size. However some hour/purpose combinations will be based on a small number of trips in the survey and so should be treated with caution.

Telephone: 020 7944 4163  
 Email: [national.travelsurvey@dft.gsi.gov.uk](mailto:national.travelsurvey@dft.gsi.gov.uk)  
[Notes & definitions](#)

Source: National Travel Survey

The figures in this table are National Statistics

The results presented in this table are weighted. The base (unweighted sample size) is shown in the table for information. Weights are applied to adjust for non-response to ensure the characteristics of the achieved sample match the population of Great Britain (1995-2012) or England (2013 onwards) and for the drop off in trip recording in diary data. The survey results are subject to sampling error.

## **Appendix K: Homeworking Data**



## QS701EW - Method of travel to work

ONS Crown Copyright Reserved [from Nomis on 16 September 2021]

population	All usual residents aged 16 to 74
units	Persons
area type	local authorities: district / unitary (prior to April 2015)
area name	Cherwell
rural urban	Total

<b>Method of Travel to Work</b>	<b>2011</b>	
All categories: Method of travel to work	103,269	74,829
Work mainly at or from home	4,757	6.4%
Underground, metro, light rail	96	
Train	2,185	
Bus, minibus or coach	3,672	
Taxi	298	
Motorcycle, scooter or moped	556	
Driving a car or van	47,271	
Passenger in a car or van	4,034	
Bicycle	2,592	
On foot	8,964	
Other method of travel to work	404	
Not in employment	28,440	

## Local Authority Districts, GB

Proportion of workers that completed work from home, broken down by local authority district, GI

Local

Authority

District code	Local Authority District name	Never	Mainly	Recently	Occasionally
E07000177	Cherwell	63%	15%	17%	5%

**Source**      **ONS - APS**

### Notes:

1. ! denotes results that have been suppressed on disclosure grounds.
2. [This breakdown is by Local Authority District, based on the December 2019 boundaries \(LAD\)](#)
3. Any work from home includes workers in either the mainly, occasionally or recently worked fro
4. Shaded denotes values with less than 25 observations.

B, 2020

Any work  
from home  

---

37%

[19CD\) and \(LAD19NM\).](#)  
in home categories.

## **Appendix L: Link Flow Comparison Assessment**

Link Ref	Link Description	A		B		C (A+B)		D		E		F		G (A+D+E+F)		H (G-C)		I ((H/C)*100)	
		2031 Reference Case		Original Dev		2031 RC + ODev		New Dev		Bicester Golf Hall		Baynard Green		2031 + ND +BGH+BG		Difference		Percentage Increase	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	A41 northbound, N of M40 J9	1510	1575	21	-24	1531	1551	13	-22	23	31	0	0	1546	1584	15	33	1%	2%
2	A41 southbound, N of M40 J9	1242	1269	-6	22	1236	1291	-4	20	23	31	0	0	1261	1320	25	29	2%	2%
3	A41 Oxford Rd, S of A41 junction	4324	4016	122	132	4446	4148	73	119	1	2	0	0	4398	4137	-48	-11	-1%	0%
4	Vendee Drive, W of A41 junction	757	989	25	88	782	1077	15	80	24	33	0	0	796	1102	14	25	2%	2%
5	A41, N of Pingle Drive	2229	2235	91	94	2320	2329	54	85			2	2	2285	2322	-35	-7	-1%	0%
6	Middleton Stoney Rd, W of Kings End	966	1158	21	78	987	1236	13	71			2	2	981	1230	-6	-6	-1%	0%
7	Middleton Stoney Rd, W of Howes Lane	519	642	347	408	866	1050	207	369			0	0	726	1011	-140	-39	-16%	-4%
8	Howes Lane, N of Middleton Stoney Rd	1075	1198	-53	-125	1022	1073	-32	-113	8	11	2	2	1053	1098	31	25	3%	2%
9	Howes Lane, E of Shakespeare Drive	1077	1173	50	18	1127	1191	30	16	7	10	42	38	1156	1238	29	47	3%	4%
10	Lords Lane, E of Bucknell Road	1391	1409	-90	-84	1301	1325	-54	-76	5	4	61	67	1403	1403	102	78	8%	6%
11	Lords Lane, W of Banbury Road	1384	1448	-88	-139	1296	1309	-53	-126	5	4	61	67	1397	1393	101	84	8%	6%
12	Bucknell Road, N of Lords Lane	257	432	-45	-112	212	320	-27	-101	1	1	0	0	231	332	19	12	9%	4%
13	Bucknell Road, S of Howes Lane	516	932	77	33	593	965	46	30	2	2	19	29	583	993	-10	28	-2%	3%
14	Banbury Road, N of Lords Lane	1522	1755	50	201	1572	1956	30	182			186	208	1738	2145	166	189	11%	10%
15	A4095 E of Banbury Road	2106	2163	8	53	2114	2216	5	48	3	3	92	100	2207	2313	93	97	4%	4%
16	Banbury Road, S of A4095	764	929	126	109	890	1038	75	99	1	1	32	42	873	1070	-17	32	-2%	3%
17	Buckingham Road, S of Skimmingdish Lane	1258	1252	148	115	1406	1367	88	104	1	1	33	33	1381	1390	-25	23	-2%	2%
18	Queens Avenue, S of Bucknell Road	1998	2109	47	114	2045	2223	28	103			0	0	2026	2212	-19	-11	-1%	0%
19	A41 E of A41 Oxford Road	3505	3447	98	113	3603	3560	59	102	1	2	2	2	3566	3553	-37	-7	-1%	0%
20	A4421 Neunkirchen Way	1849	1938	59	88	1908	2026	35	80			0	0	1884	2018	-24	-8	-1%	0%
21	A41, E of London Road roundabout	1969	1632	23	28	1992	1660	14	25	1	2	0	0	1984	1659	-8	-1	0%	0%
22	A4421, E of Skimmingdish Lane	2154	2453	58	134	2212	2587	35	121	2	2	60	67	2250	2643	38	56	2%	2%
23	Shakespeare Drive, S of Howes Lane	138	85	54	53	192	138	32	48	1	1	0	0	171	134	-21	-4	-11%	-3%
24	M40 J10 northbound off slip road	759	523	114	72	873	595	68	65			21	11	848	599	-25	4	-3%	1%
25	Ardley Road (E of B430)	364	532	48	9	412	541	29	8			0	0	393	540	-19	-1	-5%	0%
26	M40 J10 southbound on slip road (from A43)	565	240	13	-3	578	237	8	-3			12	23	585	260	7	23	1%	10%
27	B430 M40 over bridge	2376	2579	11	79	2387	2658	7	71	16	21	88	91	2486	2763	99	105	4%	4%
28	A4095 N of Chesterton	1076	976	42	33	1118	1009	25	30	32	44	0	0	1133	1050	15	41	1%	4%
29	Shakespeare Drive, E of Middleton Stoney Road	950	873	71	145	1021	1018	42	131			0	0	992	1004	-29	-14	-3%	-1%
30	The Approach, W of Bucknell Road	401	507	153	86	554	593	91	78			0	0	492	585	-62	-8	-11%	-1%
31	A41 East of Pioneer Road	3075	3009	4	25	3079	3034	2	23	1	2	0	0	3078	3034	-1	0	0%	0%
32	Bicester Road, E of A4421 junction	421	580	-14	12	407	592	-8	11			3	3	416	594	9	2	2%	0%
33	A4421 N of Skimmingdish Lane	1780	1641	68	16	1848	1657	41	14			0	0	1821	1655	-27	-2	-1%	0%
34	Fringford Road, N of Caversfield	99	188	2	2	101	190	1	2			0	0	100	190	-1	0	-1%	0%
35	B4100 Banbury Road, N of Bainton Road	1353	1599	51	14	1404	1613	30	13			186	208	1569	1820	165	207	12%	13%
36	Ardley Road, N of Bucknell	349	533	54	9	403	542	32	8			0	0	381	541	-22	-1	-5%	0%
37	Middleton Road, W of Bucknell	32	30	109	182	141	212	65	165			0	0	97	195	-44	-17	-31%	-8%
38	B4030 Middleton Stoney Road, NW of NWB	522	642	88	161	610	803	53	146			0	0	575	788	-35	-15	-6%	-2%
39	Green Lane, W of Chesterton	611	561	11	13	622	574	7	12			0	0	618	573	-4	-1	-1%	0%
40	Wendlebury Road, E of M40	450	254	32	-8	482	246	19	-7			0	0	469	247	-13	1	-3%	0%
41	M40 northbound (mainline only), S of J9	4001	4310	12	1	4013	4311	7	1	26	26	21	11	4056	4348	43	37	1%	1%
42	M40 southbound (mainline only), S of J9	4387	4077	1	1	4388	4078	1	1	36	20	12	23	4436	4121	48	43	1%	1%
43	M40 northbound (mainline only), S of J10 / N of J9	5786	6269	119	63	5905	6332	71	57			21	11	5878	6337	-27	5	0%	0%
44	M40 southbound (mainline only), S of J10 / N of J9	5398	4693	16	-2	5414	4691	10	-2			12	23	5420	4714	6	23	0%	0%
45	M40 northbound (mainline only), N of J10	5243	6053	11	0	5254	6053	7	0	8	14	12	18	5270	6085	16	32	0%	1%
46	M40 southbound (mainline only), N of J10	5877	5133	6	5	5883	5138	4	5	11	11	18	11	5909	5160	26	22	0%	0%