## Transportation Statement

December 2020

## 1. Introduction

### 1.1 Background

Modus Transport Solutions Ltd was commissioned by Mr Singh to prepare a Transportation Statement to support the Planning Application for a single residential property at land adjacent to Edington Mains Bungalow, Edington Hill, Duns, Berwickshire, TD11 3LE.

Mr Singh is seeking Planning Permission for the development of a dwellinghouse on land adjacent to Edington Mains Bungalow in a vacant/underused field area. Pre-application consultation with Scottish Borders Council was undertaken and it was confirmed that a Transportation Statement should be prepared to support the Application.

This Transportation Statement has therefore been prepared to consider the access solution for the development and the potential overall impact of the development on the local road network. Access to sustainable transport for the development has also been assessed along with the parking provision and servicing.

### 1.2 Site Location

The proposed residential development site is located adjacent to Edington Mains Bungalow in a vacant/underused field area which is currently accessed from a field gate on the $U$ Class road passing the site.

A layout for the residential property has been prepared by CD Architects and a copy of this is provided in Appendix 1 with Figure 1.0 showing the location of the site in relation to the surrounding area.


Figure 1.0 - Site Location

## 2. Development Proposals

### 2.1 The Site Layout

The proposed residential development site is located adjacent to Edington Mains Bungalow in a vacant/underused field area which is currently accessed from a field gate on the U Class road passing the site. It should be noted that the existing field access is used regularly and there is currently no restriction to its use and therefore it is an established access onto the U Class road.

Rural properties are commonplace in the Scottish Borders given the relatively large size of the Council area and the small and widely spread population. The current Covid19 Pandemic has seen more and more people seeking to live in the country, moving out of larger Cities and Towns for a more rural lifestyle. The area surrounding the development site already has several residential properties with a larger residential development at Edington Mill to the south along the U Class Road.

The location of the development proposals is such that there are limited pedestrian facilities in the area with no pedestrian provision made on either the U Class road, adjacent to the site, or on the A6105 to the north of the site. On the basis of the sites rural location, it is likely that most people trips associated with the development will be undertaken by either private car, public transport or potentially bicycle. On this basis, the proposed residential development has been designed to integrate with transport modes available in the area surrounding the development site.

### 2.2 Cycling

There are no dedicated cycle facilities in the area however the adjacent quiet U Class road to Edington Mill is ideal for recreational cycling. To the north of the site, across the A6105, the U Class road provides a link to the B6355 which is a quiet rural road ideal for cycling and which connects to the recognised cycle routes surrounding Duns. A copy of the Scottish Borders Council Cycle Map for the area is provided in Appendix 2.

From the development site, it is, therefore, possible to cycle safely on-road to Duns and the local area.

### 2.3 Public Transport

The nearest existing bus stops serving the development site are located on the A6105 at the junction with the U Class road which passes the site. There are no physical bus stops at this location however these are recognised bus pick up and drop off areas and are provided as such within the timetable information for Service 60 as Edington Mill Road End.

Borders Bus Service 60 provides a service on this route which runs from Berwick in the east to Galashiels in the west. The service provides a service every two hours from 0605 (Galashiels) until 1700 (Galashiels) Monday to Saturday. The timetable varies slightly during school holiday but on the whole there are six services per day in each direction.

It is a 20-minute bus journey to Berick Upon-Tweed from Edington Mill Road End and a 90-minute bus journey to Galashiels.

Although the bus services from the site are limited they still provide an alternative for the residents of the new dwelling house to travel to Berwick Upon-Tweed for the day without having to rely on the private car.

Service 60 also provides a school bus service and therefore any secondary school children from the proposed dwelling house will have the ability to catch a school bus to school in Berwick Upon -Tweed.

A copy of the Service 60 timetable is provided in Appendix 3.

### 2.4 Development Vehicle access

Is it proposed that the main access to the proposed dwelling house will be taken from the U Class road which passes directly to the east of the site and which runs in a north-south direction.

The U Class road is a no through or dead-end road which provides access to a number of farm businesses along its length as well as residential properties including the Edington Mill development to the south. The U Class road is extremely lightly trafficked due to the fact that it is a no through road.

The U Class road is typical of a rural road in the area and as such it has hedges, walls or fences along its length. Typically there is a 1 m wide grass verge on either side of the road along its full length

Both formal and informal passing places are provided however the volume of traffic on the road is so low that these are not generally needed.

The horizontal and vertical alignment of the U Class road in the vicinity of the site is very good. Vehicle speeds are low due to the nature of the road and therefore the overall driver environment is that of a safe road. Figure 2.1 provides an aerial view of the road space directly in front of the development site with Figure 2.2 providing a drivers eye view of the road adjacent to the development site.


Figure 2.1 - U Class Road Adjacent to the Development Site.


Figure 2.2 - View of U Class Road Adjacent to the Development Site.

It is proposed that the exiting field access will be closed. A view of this access is provided in Figure 2.3. It is also proposed that the tree adjacent to the field access will be removed. This is also shown in Figure 2.3.


Figure 2.3 - View of Existing Field Access.

It is proposed that a standard vehicle access is provided with 6 m corner radii and a 6 m wide driveway. As shown in Figure 2.4 below and in Appendix 1.


Figure 2.4 - Proposed New Access
The new access has been position approximately 70 m from the junction with the A 6105 and will be provided with sightlines appropriate to the existing road speed, which is approximately 30 mph from on-site observations. The sightlines proposed are $2.4 \mathrm{~m} \times 70 \mathrm{~m}$ which can be achieved in both directions.

The new access will be located approximately 27 m from the access into Edington Mains Bungalow and the field access located adjacent to the Edington Mains Bungalow access closed. This will provide an improvement to the overall access to Edington Mains Bungalow.

### 2.5 Parking

Parking of the development will be in accordance with Scottish Borders Councils Parking Standards which for a house of the size proposed will be 3 spaces as shown in Figure 2.4 above and in Appendix 1.

### 2.6 Servicing

Servicing for the proposed development will be the same as the that for Edington Mains Bungalow with on-street refuse bucket collection. Sufficient space is provided at the driveway entrance such that the refuse buckets can be left within the driveway space and not impeded the movement of traffic on the main road.

### 2.7 A6015 Junction

The A6015 junction is a standard ghosts island staggered priority junction which provides access to the U Class road running past the site as well as the $U$ Class road which provides access to the north to the B6355.

An aerial view of the existing junction is provided in Figure 2.5.


Figure 2.5 - A6015 Junction

The junction has generally been designed in accordance with the Design Manual for Roads and Bridges Volume 6 CD 123 Geometric design of at-grade priority and signal-controlled junctions. The junction is provided with appropriate right turn lanes with appropriate deceleration lengths and tapers. The junction is also provided with appropriate white lining and directional arrows as well as zebra-flex coloured road surfacing to demarcate the junction.

A review of accident data for the junction over the past 5 years indicates that there have been no reported injury accidents at this junction and therefore it has an excellent safety record.

## 3. Travel Demands

### 3.1 Methodology

In order to determine the appropriate trip generation characteristics for the proposed dwelling, home reference has been made to the TRICS database.

An assessment of the TRICS database for Land Use '03-Residential/A - Houses Privately Owned produced a trip generation profile as shown in Figure 3.1.


Figure 3.1 - Residential Trip Generation Profile

## A copy of the TRICS data is provided in Appendix 4.

Typically, a development of the size proposed will generate 6 two-way movements over the course of a typical day. This volume of traffic is extremely low and will therefore have no impact upon the safe operation of the local road network including the junction with the A6015.

## 4. Summary and Conclusion

Modus Transport Solutions Ltd was commissioned by Mr Singh to prepare a Transportation Statement to support the Planning Application for a single residential property at land adjacent to Edington Mains Bungalow, Edington Hill, Duns, Berwickshire, TD11 3LE.

Mr Singh is seeking Planning Permission for the development of a dwellinghouse on land adjacent to Edington Mains Bungalow in a vacant/underused field area. Pre-application consultation with Scottish Borders Council was undertaken and it was confirmed that a Transportation Statement should be prepared to support the Application.

The Transportation Statement prepared to support the Application has therefore been prepared to consider the access solution for the development and the potential overall impact of the development on the local road network. Access to sustainable transport for the development has also been assessed along with the parking provision and servicing.

The proposed residential development site is located adjacent to Edington Mains Bungalow in a vacant/underused field area which is currently accessed from a field gate on the $U$ Class road passing the site.

It is proposed that the existing field access will be closed and a new access created in the $U$ class road some 70 m south of the $A 6015$ junction. Sightlines at the proposed new access accord with the design speed of the $U$ class road in the vicinity of the site and will provide for a safe access.

Parking provision for the development will be provided in accordance with Scottish Borders Council Parking Standards.

The predicted traffic generation for the development will be extremely low and will therefore have no detrimental impact on the safe operation of the local road network.

The development can be accessed safely from the public road and therefore there are no traffic or transportation reasons why Planning Permission should not be granted for the proposed development.

## Appendix 1 - Development Proposals



| issue stage: | PLANNING | drawn: | LP |
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## Appendix 2 - Cycle Map



















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## Abbey St. Bathans <br> - 25¹/ m / 41 km

Leave the car park along Murray Street and turn right at the far end through the Market Square. Cross straight over at the next junction into Easter Street and continue up Tannage Brae. Turn right at the top of the hill onto the A6112 (Preston Road)

About $1 / 2$ mile after leaving the town (1) turn right into a country lane for a fairly gradual mile-long descent. Turn right again at the next $T$ junction, bear left $1 / 4$ mile further on at Manderston Mill and then turn left beyond Edrom Mains farm $\mathbf{2}$ towards Edrom.
Turn left on entering Edrom ( 4 m ) and bear right immediately to leave the village in an easterly direction. After a short descent, the Whitadder Water is crossed at Todheugh and the trail now heads northwards. Continue straight ahead onto the B6355 at Hammerhall (3) and turn right (signposted to Lintlaw) after a short distance.

The road rises gradually to Lintlaw - turn left through the farm at the top of the climb - then descends to cross Lintlaw Burn This marks the start of a $1 / / 2$ mile long climb which is quite steep beyond the cross roads near Blackhouse 4- carry straight on here.

Once the summit s reached in a small wood, the ensuing 3 miles to Grantshouse are very easy going, interrupted only by aT junction with the A6112 5 where a right turn is made
Turn left just before reaching Grantshouse ( $111 / 2 \mathrm{~m}$ ). A mile long, mostly gradual climb past Butterdean is followed by a short drop to cross a burn, then a much steeper but shorter climb to Quixwood, before the road levels out.Turn right at Moorhouse then left off this road after $1 / / 4$ miles 6 near Whiteburn Farm.

After a further $11 / 2$ miles through open hill country, the road descends steeply into the wooded valley of the Monynut Water to follow it and then the Whiteadder Water downstream to Abbey St. Bathans (18m) (tearoom, closed Mondays). Beyond here, there is a two mile long climb away from the river, initially steep but soon easing.

From the summit there is a very steep descent to a $T$ junction at Burnhouses (7) - turn left towards Duns. A burn is followed downstream to Millburn Bridge from where the next two miles are undulating and mostly tree lined, with intermittent good views to the north. Bear right at the junction with the A6112 8). The outward route is rejoined at the top of the climb from here (1) and is followed for the final short leg back into Duns.




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## Local Cycling Trails

The starting point for the routes described in this leaflet is the car park at the south end of Murray Street, a cul-de-sac off the south side of the Market Square.

Four colour coded, signed routes are both described and illustrated on the map overleaf. The blue and yellow routes, which explore the relatively flat farming country south and east of the town on mostly very quiet roads, are particularly suited to family groups and inexperienced cyclists
The red and green routes, which head into the hilly country north of the town, also avoid A class roads as much as possible, but are much more physically demanding and are better suited to more experienced cyclists.

The trails are described in one direction only - there is, of course no reason why they should not be tackled in the opposite directions to those recommended, but this must be done without the benefit of comprehensive signing. However, the blue route can be ridden clockwise to Edrom following red trail signing, and the red trail ridden clockwise following 'Borders Loop' signing to Grantshouse and blue trail signing from Edrom.


Designed by Scottish Borders Council Graphic Design Section Printed in the Scottish Borders. Photographs by Bill lamieson.

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## Duns




Appendix 3 - Public Transport Timetable

## 60 Berwick-Upon-Tweed to Galashiels

| Monday to Saturday |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Note: |  |  | S | NSch | Sch | FSCH | NFSC | NSCH | S |  |  |  |
| Service: | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| Tweedmouth, Retail Park |  |  | 0800 | 0800 | 0800 | 1015 | 1045 | 1045 | 1045 | 1245 | 1445 | 1645 |
| Berwick, Golden Square | 0530 | 0650 | 0805 | 0805 | 0805 | 1020 | 1050 | 1050 | 1050 | 1250 | 1450 | 1650 |
| Berwick, Railway Station | 0532 | 0652 | 0807 | 0807 | 0807 | 1022 | 1052 | 1052 | 1052 | 1252 | 1452 | 1652 |
| Berwick, Morrisons | 0535 | 0655 | 0810 | 0810 | 0810 | 1025 | 1055 | 1055 | 1055 | 1255 | 1455 | 1655 |
| Foulden | 0542 | 0702 | 0817 | 0817 | 0817 | 1032 | 1102 | 1102 | 1102 | 1302 | 1502 | 1702 |
| Chirnside, Crosshill | 0551 | 0711 | 0826 | 0826 | 0826 | 1041 | 1111 | 1111 | 1111 | 1311 | 1511 | 1711 |
| Duns Market Square (arr) | 0606 | 0726 | 0841 | 0841 | 0841 | 1056 | 1126 | 1126 | 1126 | 1326 | 1526 | 1726 |
| Duns Market Square (dep) |  | 0726 | 0841 | 0841 | 0841 | 1056 | 1126 | 1126 | 1126 | 1326 | 1526 | 1726 |
| Berwickshire High School |  | - | - |  | 0845 |  |  | - |  |  |  |  |
| Gavinton, Road End |  | 0730 | 0845 | 0845 | 0848 | 1100 | 1130 | 1130 | 1130 | 1330 | 1530 | 1730 |
| Greenlaw, Royal Bank |  | 0741 | 0856 | 0856 | 0859 | 1111 | 1141 | 1141 | 1141 | 1341 | 1541 | 1741 |
| Gordon |  | 0751 | 0906 | 0906 | 0909 | 1121 | 1151 | 1151 | 1151 | 1351 | 1551 | 1751 |
| Earlston Square (arr) |  | 0804 | 0919 | 0919 | 0922 | 1134 | 1204 | 1204 | 1204 | 1404 | 1604 | 1804 |
| Earlston Square (dep) |  | 0806 | 0921 | 0921 | 0924 | 1134 | 1204 | 1204 | 1204 | 1404 | 1604 | 1804 |
| Newstead |  | 0815 | 0930 | 0930 | 0933 | 1143 | 1213 | 1213 | 1213 | 1413 | 1613 | 1813 |
| Melrose, Square |  | 0818 | 0933 | 0933 | 0936 | 1146 | 1216 | 1216 | 1216 | 1416 | 1616 | 1816 |
| Borders General Hospital |  | 0823 | 0938 | 0938 | 0941 | 1151 | 1221 | 1221 | 1221 | 1421 | 1621 | 1821 |
| Langlee |  | - | 0945 | 0945 | 0948 | 1158 | 1228 | 1228 | 1228 | 1428 | 1628 | 1828 |
| Tweedbank, Neidpath Court |  | 0826 | - | - | - | - | - | - | - | - | - | - |
| Galashiels Bus Interchange |  | 0836 | 0950 | 0950 | 0953 | 1204 | 1234 | 1234 | 1234 | 1433 | 1633 | 1833 |

[^0]
## 60 Galashiels to Berwick-Upon-Tweed

| Monday to Saturday |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Note: Service: | 60 | 60 | 60 | 60 | $\underset{60}{\text { FSCH }}$ | $\begin{gathered} \text { NFSC } \\ 60 \end{gathered}$ | $\begin{gathered} \text { NSch } \\ 60 \end{gathered}$ | $\begin{gathered} \mathrm{S} \\ 60 \end{gathered}$ | $\begin{gathered} \text { FSCH } \\ 60 \end{gathered}$ | $\begin{gathered} \text { NSch } \\ 60 \end{gathered}$ | $\begin{gathered} \mathrm{S} \\ 60 \end{gathered}$ | $\begin{gathered} \text { NFSC } \\ 60 \end{gathered}$ | 60 |  |
| Galashiels Bus Interchange |  | 0605 | 0845 | 1045 | 1215 | 1245 | 1245 | 1245 | 1445 | 1445 | 1445 | 1435 | 1700 |  |
| Langlee |  | 0612 | 0852 | 1052 | 1222 | 1252 | 1252 | 1252 | 1452 | 1452 | 1452 | 1442 | 1707 |  |
| Borders General Hospital |  | 0619 | 0859 | 1059 | 1229 | 1259 | 1259 | 1259 | 1459 | 1459 | 1459 | 1449 | 1714 |  |
| Melrose, Buccleuch St |  | 0624 | 0904 | 1104 | 1234 | 1304 | 1304 | 1304 | 1504 | 1504 | 1504 | 1454 | 1719 |  |
| Newstead |  | 0627 | 0907 | 1107 | 1237 | 1307 | 1307 | 1307 | 1507 | 1507 | 1507 | 1457 | 1722 |  |
| Earlston Square (arr) |  | 0636 | 0916 | 1116 | 1246 | 1316 | 1316 | 1316 | 1516 | 1516 | 1516 | 1506 | 1731 |  |
| Earlston Square (dep) |  | 0638 | 0920 | 1118 | 1248 | 1318 | 1318 | 1318 | 1518 | 1518 | 1518 | 1508 | 1733 |  |
| Gordon |  | 0649 | 0932 | 1130 | 1300 | 1330 | 1330 | 1330 | 1530 | 1530 | 1530 | 1520 | 1746 |  |
| Greenlaw, Royal Bank |  | 0658 | 0942 | 1139 | 1309 | 1339 | 1339 | 1339 | 1539 | 1539 | 1539 | 1529 | 1756 |  |
| Gavinton, Road End |  | 0708 | 0953 | 1149 | 1319 | 1349 | 1349 | 1349 | 1549 | 1549 | 1549 | 1539 | 1807 |  |
| Berwickshire High School |  | - | - | - | 1325 | - | - | - | - | - | - | 1550 |  |  |
| Duns Market Square (arr) |  | 0713 | 0957 | 1153 | 1329 | 1353 | 1353 | 1353 | 1553 | 1553 | 1553 | 1554 | 1811 |  |
| Duns Market Square (dep) | 0608 | 0713 | 0957 | 1153 | 1329 | 1353 | 1353 | 1353 | 1553 | 1553 | 1553 | 1554 | 1811 |  |
| Allanton, Inn | - | - | 1010 | - | - | - | - | - | - | - | - | - | - |  |
| Chirnside, Crosshill | 0623 | 0728 | 1015 | 1208 | 1344 | 1408 | 1408 | 1408 | 1608 | 1608 | 1608 | 1609 | 1826 |  |
| Foulden | 0631 | 0736 | 1023 | 1216 | 1352 | 1416 | 1416 | 1416 | 1616 | 1616 | 1616 | 1617 | 1834 |  |
| Berwick, Railway Station | 0641 | 0747 | 1034 | 1227 | 1403 | 1427 | 1427 | 1427 | 1627 | 1627 | 1627 | 1628 | 1845 |  |
| Berwick, Golden Square | 0645 | 0751 | 1038 | 1231 | 1407 | 1431 | 1431 | 1431 | 1631 | 1631 | 1631 | 1632 | 1849 |  |
| Tweedmouth, Retail Park |  | 0755 | 1042 | 1235 | 1411 | 1435 | 1435 | 1435 | 1635 | 1635 | 1635 | 1636 | 1853 |  |

[^1]
## 60 Berwick-Upon-Tweed to Galashiels

| Sunday |  |  |  |
| :---: | :---: | :---: | :---: |
| Service: | 60 | 60 | 60 |
| Tweedmouth, Retail Park | 1100 | 1400 | 1700 |
| Berwick, Golden Square | 1105 | 1405 | 1705 |
| Berwick, Railway Station | 1107 | 1407 | 1707 |
| Berwick, Morrisons | 1110 | 1410 | 1710 |
| Foulden | 1117 | 1417 | 1717 |
| Chirnside, Crosshill | 1126 | 1426 | 1726 |
| Duns Market Square (arr) | 1141 | 1441 | 1741 |
| Gavinton, Road End | 1145 | 1445 | 1745 |
| Greenlaw, Royal Bank | 1156 | 1456 | 1756 |
| Gordon | 1206 | 1506 | 1806 |
| Earlston Square (arr) | 1219 | 1519 | 1819 |
| Newstead | 1228 | 1528 | 1828 |
| Melrose, Square | 1231 | 1531 | 1831 |
| Borders General Hospital | 1236 | 1536 | 1836 |
| Galashiels Bus Interchange | 1248 | 1548 | 1848 |

## 60 Galashiels to Berwick-Upon-Tweed

| Sunday |  |  |  |
| :---: | :---: | :---: | :---: |
| Service: | 60 | 60 | 60 |
| Galashiels Bus Interchange | 0900 | 1200 | 1500 |
| Langlee | 0907 | 1207 | 1507 |
| Borders General Hospital | 0914 | 1214 | 1514 |
| Melrose, Buccleuch St | 0919 | 1219 | 1519 |
| Newstead | 0922 | 1222 | 1522 |
| Earlston Square (arr) | 0931 | 1231 | 1531 |
| Gordon | 0942 | 1242 | 1542 |
| Greenlaw, Royal Bank | 0951 | 1251 | 1551 |
| Gavinton, Road End | 1001 | 1301 | 1601 |
| Duns Market Square (arr) | 1006 | 1306 | 1606 |
| Duns Market Square (dep) | 1006 | 1306 | 1606 |
| Chirnside, Crosshill | 1021 | 1321 | 1621 |
| Foulden | 1029 | 1329 | 1629 |
| Berwick, Golden Square | 1044 | 1344 | 1644 |
| Tweedmouth, Retail Park | 1048 | 1348 | 1648 |

On 21, 22, 23, 24, 28, 29, 30, 31 December, a Saturday timetable will operate On 25,26 December and 01,02 January no service will operate

## Appendix 3 -TRICS Data

## TRIP RATE CALCULATI ON SELECTI ON PARAMETERS:

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

## TOTAL VEHI CLES

Selected regions and areas:
04 EAST ANGLIA
CA CAMBRIDGESHIRE 2 days

NF NORFOLK 6 days
SF SUFFOLK
05 EAST MI DLANDS
LE LEICESTERSHIRE 1 days
LN LINCOLNSHIRE 1 days
06 WEST MIDLANDS
SH SHROPSHIRE 3 days
ST STAFFORDSHIRE 2 days

WK WARWICKSHIRE 4 days
WM WEST MIDLANDS 3 days
WO WORCESTERSHIRE 2 days
07 YORKSHIRE \& NORTH LI NCOLNSHI RE
NY NORTH YORKSHIRE 6 days
SY SOUTH YORKSHIRE 1 days

08 NORTH WEST
CH CHESHIRE
GM GREATER MANCHESTER
5 days
1 days
LC LANCASHIRE 2 days
MS MERSEYSIDE 1 days
09 NORTH
CB CUMBRIA 2 days
DH DURHAM 2 days
TW TYNE \& WEAR 2 days
10 WALES
CF CARDIFF 1 days
CP CAERPHILLY 1 days
PS POWYS 1 days
VG VALE OF GLAMORGAN 1 days
WR WREXHAM 1 days
11 SCOTLAND
$\begin{array}{lll}\text { AG } & \text { ANGUS } & 1 \text { days } \\ \text { EA } & 1 \text { days }\end{array}$
FA FALKIRK 1 days
FI FIFE 1 days
HI HIGHLAND 3 days
PK PERTH \& KINROSS 1 days
This section displays the number of survey days per TRICS $\circledR^{\circledR}$ 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: | 6 to 98 (units:) |
| Range Selected by User: | 5 to 100 (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: 01/01/01 to 27/09/19
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:

| Monday | 14 days |
| :--- | ---: |
| Tuesday | 14 days |
| Wednesday | 16 days |
| Thursday | 11 days |
| Friday | 8 days |

This data displays the number of selected surveys by day of the week.
Selected survey types:
Manual count 62 days

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

Selected Locations:
Suburban Area (PPS6 Out of Centre) 31
Edge of Town 32
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:
$\begin{array}{lr}\text { Residential Zone } & 56 \\ \text { No Sub Category } & 7\end{array}$
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:

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 ${ }^{\circledR}$.

Population within 500m Range:
All Surveys Included
Population within 1 mile:
1,001 to $5,000 \quad 8$ days
5,001 to $10,000 \quad 16$ days
10,001 to $15,000 \quad 14$ days
15,001 to $20,000 \quad 13$ days
20,001 to 25,000 5 days
25,001 to $50,000 \quad 7$ days
This data displays the number of selected surveys within stated 1-mile radii of population.

## Secondary Filtering selection (Cont.):

Population within 5 miles:

| 5,001 to 25,000 | 5 days |
| :--- | ---: |
| 25,001 to 50,000 | 10 days |
| 50,001 to 75,000 | 6 days |
| 75,001 to 100,000 | 14 days |
| 100,001 to 125,000 | 3 days |
| 125,001 to 250,000 | 13 days |
| 250,001 to 500,000 | 11 days |
| 500,001 or More | 1 days |

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

| 0.5 or Less | 1 days |
| :--- | ---: |
| 0.6 to 1.0 | 27 days |
| 1.1 to 1.5 | 35 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: |  |
| :--- | ---: |
| Not Known | 1 days |
| Yes | 5 days |
| No | 57 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 63 days
This data displays the number of selected surveys with PTAL Ratings.

KEPTIE ROAD ARBROATH

Suburban Area (PPS6 Out of Centre)
Residential Zone

Total No of Dwellings:
7
22/05/12

9
18/10/11
3 CA-03-A-05 DETACHED HOUSES
EASTFIELD ROAD
PETERBOROUGH
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
Survey date: MONDAY
4 CB-03-A-03 SEMI DETACHED
HAWKSHEAD AVENUE
WORKINGTON
Edge of Town
Residential Zone
Total No of Dwellings
Survey date: THURSDAY
MOORCLOSE ROAD
WORKINGTON
SALTERBACK
Edge of Town
No Sub Category
Total No of Dwellings:
Survey date: FRIDA
82
24/04/09
6 CF-03-A-03 DETACHED
LLANTRISANT ROAD
CARDIFF
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
29
Survey date: MONDAY 08/10/07
7 CH-03-A-05
DETACHED
SYDNEY ROAD
CREWE
SYDNEY
Edge of Town
Residential Zone
Total No of Dwellings
Survey dans: TUESDAY -
8 CH-03-A-08 DETACHED
WHITCHURCH ROAD
CHESTER
BOUGHTON HEATH
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
9 CH-03-A-09
TERRACED HOUSES
GREYSTOKE ROAD
MACCLESFIELD
HURDSFIELD
Edge of Town
Residential Zone
Total No of Dwellings
Survey date: MONDAY 24/11/14

## ANGUS

Survey Type: MANUAL CAMBRIDGESHI RE

Survey Type: MANUAL CAMBRIDGESHIRE

Survey Type: MANUAL CUMBRIA

Survey Type: MANUAL

## CUMBRIA

Survey Type: MANUAL CARDIFF

Survey Type: MANUAL CHESHIRE

Survey Type: MANUAL CHESHIRE

Survey Type: MANUAL CHESHIRE

Survey Type: MANUAL


18 GM-03-A-10 DETACHED/ SEMI
BUTT HILL DRIVE
MANCHESTER
PRESTWICH
Edge of Town
Residential Zone
Total No of Dwellings:
29 Survey date: WEDNESDAY 12/10/11
19 HI-03-A-11 BUNGALOWS
STEVENSON ROAD
I NVERNESS
INSHES
Edge of Town
Residential Zone
Total No of Dwellings: 85 Survey date: MONDAY 05/06/06
20 HI-03-A-13 HOUSI NG
KINGSMILLS ROAD
I NVERNESS
Edge of Town
Residential Zone
Total No of Dwellings: 9 Survey date: THURSDAY 21/05/09
21 HI-03-A-14
SEMI-DETACHED \& TERRACED
KING BRUDE ROAD
I NVERNESS
SCORGUIE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
22 LC-03-A-22 BUNGALOWS
CLIFTON DRIVE NORTH
BLACKPOOL
Edge of Town
Residential Zone
Total No of Dwellings
98 Survey date: TUESDAY 18/10/05
23 LC-03-A-31 DETACHED HOUSES
GREENSIDE
PRESTON
COTTAM
Edge of Town
Residential Zone
Total No of Dwellings
32
Survey date: FRIDAY 17/11/17
24 LE-03-A-01
DETACHED
REDWOOD AVENUE
MELTON MOWBRAY
Edge of Town
Residential Zone
Total No of Dwellings: 11
Survey date: TUESDAY 03/05/05
25 LN-03-A-03 SEMI DETACHED
ROOKERY LANE
LINCOLN
BOULTHAM
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings
MS-03-A-03 DETACHED
BEMPTON ROAD
LIVERPOOL
OTTERSPOOL
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 15
Survey date: FRIDAY 21/06/13

GREATER MANCHESTER

Survey Type: MANUAL HI GHLAND

Survey Type: MANUAL HI GHLAND

Survey Type: MANUAL HI GHLAND

Survey Type: MANUAL

## LANCASHIRE

Survey Type: MANUAL

## LANCASHIRE

Survey Type: MANUAL LEI CESTERSHI RE

Survey Type: MANUAL

## LI NCOLNSHIRE

Survey Type: MANUAL MERSEYSI DE

Survey Type: MANUAL

27
NF-03-A-01
YARMOUTH ROAD
CAISTER-ON-SEA
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings 27 Survey date: TUESDAY 16/10/12
28
NF-03-A-02
HOUSES \& FLATS
DEREHAM ROAD
NORWICH
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 98
Survey date: MONDAY 22/10/12
29 NF-03-A-03
DETACHED HOUSES
HALING WAY
THETFORD
Edge of Town
Residential Zone
Total No of Dwellings: 10
Survey date: WEDNESDAY
30 NF-03-A-04 MI XED HOUSES
NORTH WALSHAM ROAD
NORTH WALSHAM
Edge of Town
Residential Zone
Total No of Dwellings: 70
Survey date: WEDNESDAY 18/09/19
NF-03-A-05 MI XED HOUSES
HEATH DRIVE
HOLT

Edge of Town
Residential Zone
Total No of Dwellings:
40
Survey date: THURSDAY
19/09/19
32 NF-03-A-10 MI XED HOUSES \& FLATS
HUNSTANTON ROAD
HUNSTANTON
Edge of Town
Residential Zone
Total No of Dwellings
17
Survey date: WEDNESDAY 12/09/18
NY-03-A-07 DETACHED \& SEMI DET.
CRAVEN WAY
BOROUGHBRIDGE

Edge of Town
No Sub Category
Total No of Dwellings: 23
Survey date: TUESDAY 18/10/11
34 NY-03-A-08 TERRACED HOUSES
NICHOLAS STREET
YORK
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
21 Survey date: MONDAY 16/09/13
NY-03-A-09 MI XED HOUSI NG
GRAMMAR SCHOOL LANE
NORTHALLERTON

Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
52

## NORFOLK

Survey Type: MANUAL

## NORFOLK

Survey Type: MANUAL NORFOLK

Survey Type: MANUAL

## NORFOLK

NORFOLK

Survey Type: MANUAL

## NORFOLK

Survey Type: DIRECTIONAL ATC COUNT

## NORTH YORKSHI RE

Survey Type: MANUAL

## NORTH YORKSHIRE

## NORTH YORKSHI RE

LIST OF SITES relevant to selection parameters (Cont.)

36 NY-03-A-10 HOUSES AND FLATS
BOROUGHBRIDGE ROAD
RIPON
Edge of Town
No Sub Category
Total No of Dwellings Survey date: TUESDAY 17/09/13
37 NY-03-A-11
PRIVATE HOUSI NG
HORSEFAIR
BOROUGHBRIDGE
Edge of Town
Residential Zone
Total No of Dwellings: 23
Survey date: WEDNESDAY 18/09/13
38 NY-03-A-13 TERRACED HOUSES
CATTERICK ROAD
CATTERICK GARRISON
OLD HOSPITAL COMPOUND
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
10
Survey date: WEDNESDAY 10/05/17
39 PK-03-A-01 DETAC. \& BUNGALOWS
TULLYLUMB TERRACE
PERTH
CORNHILL
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings
Survey date: WEDNESDAY
PS-03-A-02
DETACHED/ SEMI-DETACHED
GUNROG ROAD
WELSHPOOL
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
28
Survey date: MONDAY 11/05/15
41 SF-03-A-01 SEMI DETACHED
Al156 FELIXSTOWE ROAD
IPSWICH
RACECOURSE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
77
Survey date: WEDNESDAY 23/05/07
42 SF-03-A-04 DETACHED \& BUNGALOWS
NORMANSTON DRIVE
LOWESTOFT
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 7 Survey date: TUESDAY 23/10/12
43
SF-03-A-05 DETACHED HOUSES
VALE LANE
BURY ST EDMUNDS
Edge of Town
Residential Zone
Total No of Dwellings:

## NORTH YORKSHIRE

Survey Type: MANUAL

## NORTH YORKSHIRE

Survey Type: MANUAL NORTH YORKSHIRE

Survey Type: MANUAL PERTH \& KINROSS

Survey Type: MANUAL POWYS

Survey Type: MANUAL SUFFOLK

Survey Type: MANUAL SUFFOLK

Survey Type: MANUAL SUFFOLK


LIST OF SITES relevant to selection parameters (Cont.)

44 SF-03-A-07
FOXHALL ROAD
IPSWICH
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings
73 Survey date: THURSDAY 09/05/19
45 SH-03-A-03
DETATCHED
SOMERBY DRIVE
SHREWSBURY
BICTON HEATH
Edge of Town
No Sub Category
Total No of Dwellings
10
Survey date: FRIDAY 26/06/09
46 SH-03-A-05 SEMI-DETACHED/ TERRACED
SANDCROFT
TELFORD
SUTTON HILL
Edge of Town
Residential Zone
Total No of Dwellings
54 Survey date: THURSDAY 24/10/13
47 SH-03-A-06
BUNGALOWS
ELESMERE ROAD
SHREWSBURY
Edge of Town
Residential Zone
Total No of Dwellings
16
Survey date: THURSDAY 22/05/14
48 ST-03-A-05 TERRACED \& DETACHED
WATERMEET GROVE
STOKE-ON-TRENT
ETRURIA
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
14 Survey date: WEDNESDAY 26/11/08
49 ST-03-A-08 DETACHED HOUSES
SILKMORE CRESCENT
STAFFORD
MEADOWCROFT PARK
Edge of Town
Residential Zone
Total No of Dwellings
Survey date: WEDNESDAY 22/11/17
50 SY-03-A-01 SEMI DETACHED HOUSES
A19 BENTLEY ROAD
DONCASTER
BENTLEY RISE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
54
Survey date: WEDNESDAY 18/09/13
51 TW-03-A-01 SEMI DETACHED
LEECHMERE ROAD
SUNDERLAND
HILLVIEW
Edge of Town
Residential Zone
Total No of Dwellings:
81
Survey date: WEDNESDAY 18/09/02
52 TW-03-A-02 SEMI-DETACHED
WEST PARK ROAD
GATESHEAD
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 16
Survey date: MONDAY 07/10/13

## SUFFOLK

Survey Type: MANUAL SHROPSHI RE

Survey Type: MANUAL

## SHROPSHIRE

Survey Type: MANUAL SHROPSHIRE

Survey Type: MANUAL

## STAFFORDSHIRE

Survey Type: MANUAL STAFFORDSHIRE

Survey Type: MANUAL SOUTH YORKSHIRE

Survey Type: MANUAL TYNE \& WEAR

Survey Type: MANUAL TYNE \& WEAR

Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)
53 VG-03-A-01 SEMI-DETACHED \& TERRACED
ARTHUR STREET
BARRY
Edge of Town
Residential Zone
Total No of Dwellings:
12 Survey date: MONDAY 08/05/17
54 WK-03-A-01 TERRACED/ SEMI / DET.
ARLINGTON AVENUE
LEAMINGTON SPA
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 6 Survey date: FRIDAY 21/10/11
55 WK-03-A-02 BUNGALOWS
NARBERTH WAY
COVENTRY
POTTERS GREEN
Edge of Town
Residential Zone
Total No of Dwellings:
Survey date: THURSDAY 17/10/13
56 WK-03-A-03 DETACHED HOUSES
BRESE AVENUE
WARWICK
GUYS CLIFFE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings
Survey date: WEDNESDAY
23

WK-03-A-04 DETACHED HOUSES
DALEHOUSE LANE
KENILWORTH
Edge of Town
Residential Zone
Total No of Dwellings:
Survey date: FRIDAY
27/09/19
58 WM-03-A-01 TERRACED
FOLESHILL ROAD
COVENTRY
FOLESHILL
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings:
Survey date: FRIDAY 03/02/06
59 WM-03-A-02 DETACHED \& SEMI DET.
HEATH STREET
STOURBRIDGE
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 12
Survey date: WEDNESDAY 26/04/06
60 WM-03-A-03 MI XED HOUSING
BASELEY WAY
COVENTRY
ROWLEYS GREEN
Edge of Town
Residential Zone
Total No of Dwellings:
61 WO-03-A-01 DETACHED
MARLBOROUGH AVENUE
BROMSGROVE
ASTON FIELDS
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total No of Dwellings: 10
Survey date: THURSDAY 23/06/05

## VALE OF GLAMORGAN

Survey Type: MANUAL WARWI CKSHI RE

Survey Type: MANUAL WARWI CKSHI RE

Survey Type: MANUAL WARWI CKSHIRE

Survey Type: MANUAL WARWI CKSHI RE

Survey Type: MANUAL WEST MI DLANDS

Survey Type: MANUAL WEST MI DLANDS

Survey Type: MANUAL WEST MI DLANDS

Survey Type: MANUAL WORCESTERSHIRE

Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

| 62 | ```WO-03-A-02 SEMI DETACHED MEADOWHILL ROAD REDDITCH``` |  | WORCESTERSHIRE |
| :---: | :---: | :---: | :---: |
| 63 | Edge of Town |  |  |
|  | No Sub Category |  |  |
|  | Total No of Dwellings: | 48 |  |
|  | Survey date: TUESDAY | 02/05/06 | Survey Type: MANUAL |
|  | WR-03-A-01 SEMI DETACHED |  | WREXHAM |
|  | MOLD ROAD |  |  |
|  | WREXHAM |  |  |
|  | RHOSDDU |  |  |
|  | Edge of Town |  |  |
|  | No Sub Category |  |  |
|  | Total No of Dwellings: | 82 |  |
|  | Survey date: MONDAY | 05/07/04 | Survey Type: MANUAL |

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

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
TOTAL VEHI CLES
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

|  |  | ARRIVALS |  |  | EPARTURES |  |  | TOTALS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Time Range | 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 | 63 | 37 | 0.073 | 63 | 37 | 0.259 | 63 | 37 | 0.332 |
| 08:00-09:00 | 63 | 37 | 0.171 | 63 | 37 | 0.399 | 63 | 37 | 0.570 |
| 09:00-10:00 | 63 | 37 | 0.169 | 63 | 37 | 0.208 | 63 | 37 | 0.377 |
| 10:00-11:00 | 63 | 37 | 0.159 | 63 | 37 | 0.177 | 63 | 37 | 0.336 |
| 11:00-12:00 | 63 | 37 | 0.177 | 63 | 37 | 0.177 | 63 | 37 | 0.354 |
| 12:00-13:00 | 63 | 37 | 0.193 | 63 | 37 | 0.171 | 63 | 37 | 0.364 |
| 13:00-14:00 | 63 | 37 | 0.174 | 63 | 37 | 0.186 | 63 | 37 | 0.360 |
| 14:00-15:00 | 63 | 37 | 0.191 | 63 | 37 | 0.221 | 63 | 37 | 0.412 |
| 15:00-16:00 | 63 | 37 | 0.273 | 63 | 37 | 0.209 | 63 | 37 | 0.482 |
| 16:00-17:00 | 63 | 37 | 0.320 | 63 | 37 | 0.185 | 63 | 37 | 0.505 |
| 17:00-18:00 | 63 | 37 | 0.353 | 63 | 37 | 0.195 | 63 | 37 | 0.548 |
| 18:00-19:00 | 63 | 37 | 0.265 | 63 | 37 | 0.176 | 63 | 37 | 0.441 |
| 19:00-20:00 |  |  |  |  |  |  |  |  |  |
| 20:00-21:00 |  |  |  |  |  |  |  |  |  |
| 21:00-22:00 |  |  |  |  |  |  |  |  |  |
| 22:00-23:00 |  |  |  |  |  |  |  |  |  |
| 23:00-24:00 |  |  |  |  |  |  |  |  |  |
| Total Rates: | 2.518 |  |  | 2.563 |  |  | 5.081 |  |  |

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: Survey date date range:
Number of weekdays (Monday-Friday):
Number of Saturdays:
Number of Sundays:
Surveys automatically removed from selection:
Surveys manually removed from selection:

6-98 (units:)
01/01/01-27/09/19
63
0
0
3
3
0

This section displays a quick summary of some of the data filtering selections made by the TRICS ${ }^{\circledR}$ 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.


[^0]:    Codes:
    Sch
    NSch
    FSCH
    NFSC
    S
    chool Holidays
    riday Schooldays only
    Monday to Thursday Schooldays Only
    Saturdays Only
    n 21, 22, 23, 24, 28, 29, 30, 31 December, a Saturday timetable will operate
    On 25, 26 December and 01, 02 January no service will operate

[^1]:    Codes
    Nsch
    Non Schooldays
    NFSC Friday Schooldays only
    NFSC Monday to Thursday Schooldays Only
    S Saturdays Only
    On 21, 22, 23, 24, 28, 29, 30, 31 December, a Saturday timetable will operate
    On 25, 26 December and 01, 02 January no service will operate

