

Bidwells
C/O Rob Hopwood
Via Email



24th February 2020

Dear Sir or Madam,

Land at Longstowe Estate, South Cambridgeshire

EAS has been appointed to provide a transportation review of the above site in order to support its allocation in the South Cambridgeshire Local Plan Review. It is understood that the development would be marketed towards a more elderly demographic looking to down size from existing homes. Many of these will most likely be retired people.

It is proposed at this early stage that there would be 3 vehicle access points (currently there are 2) and improved pedestrian connectivity.

Longstowe is a village located approximately 14km southwest of the centre of Cambridge. The site comprises of a circa 5.67-hectare plot located west of High Street near the centre of the village. A site boundary plan is enclosed at **Appendix A**.

Indicative Site Access

The drawing enclosed at **Appendix B** shows the existing and proposed access positions.

The speed limit is 40mph requiring 2.4m x 101m visibility splays in accordance with Design Manual for Roads and Bridges (DMRB) parameters. Whilst two of the access points can achieve visibility in line with a 40mph limit, the middle highway access cannot. However, the mid access at the point of an existing access and between two bends. The traffic at this point has to naturally travel slowly. It is shown that visibility splays in keeping with an 85th percent speed of 30mph are more or less achievable. It is therefore considered that this access would be suitable subject to clarification in due course. However, with this increased level of development it would be suitable to reduce the speed limit throughout to a 30mph limit.

As the majority of the village is to the north, including the bus stops and the village hall, it is proposed that an improved footway facility be provided in this direction.

The vehicular access points have been shown with a 5.5m carriageway and 2m footways. This style of highway access would be suitable for up to 100 units or more, although later herein we describe the impact of just 30 units as this is a more realistic level of development.

An existing footway is present on the west side of High Street however this is fairly narrow possibly due to the spread of vegetation from the adjacent grassed areas. To improve pedestrian connectivity and provide safe pedestrian access to the site, the existing footway is proposed to be widened to 2.0m throughout the development fontage.

The indicative footway improvements and informal crossing points are also indicated on the drawing at **Appendix B**.

Local Facilities

There are limited local facilities within the village, however further development would improve the viability of any future local facilities. A residential development would assist with improving the viability of existing bus services.

It should be noted that the existing bus service is generally infrequent. However, following development at the proposed site as well as potential further development within Longstowe it is possible that other bus service providers could reroute through Longstowe, thus increasing the frequency of the bus service available.

Public Transport (bus)

As described, the nearest bus stop is located approximately 100m north of the site along High Street. There is a single bus stop on the western side of High Street serving a northbound direction. The bus stop offers a single service:

C2 – Rushbrook Close – St Neotts

This service runs on Thursdays only.

The footway described previously continues to further bus stops located along Old North Road (A1198) approximately 990m from the site. These bus stops offer an additional service:

18 – Fox Road – Cambridge

This service runs Monday to Saturday with a bus at 06:31 heading towards Cambridge and returning at 20:14.

Bus service timetables are enclosed at **Appendix C**.

Trip Generation

EAS has reviewed the nationally recognised Trip Rate database 'TRICS' to determine an appropriate vehicle trip rate. To accord with the proposed development style, i.e for those downsizing, retirement villages in out of town locations have been reviewed. Sites in South East and South West England have been chosen. The resulting TRICS data is enclosed in **Appendix D** and gives the following AM and PM trip rates and subsequent vehicle trips based on 30 dwellings:

	Trip Rate (1 Dwelling)		Vehicle Trips (30 Dwellings)		
	In	Out	In	Out	Total
AM Peak Hour	0.130	0.063	4	2	6
PM Peak Hour	0.069	0.096	2	3	5

As can be seen from the above table, the peak hourly flow from the site based on 30 dwellings is no more than 6 AM peak hour vehicle movements and 5 PM peak hour vehicle movements. The number of vehicle trips generated would be imperceptible upon the surrounding highway network.

Summary

EAS has been appointed to provide a transportation review of 'Land at Longstowe Estate' in order to support its allocation in the South Cambridgeshire Local Plan Review.

The site will generally be promoted to a more elderly demographic looking to downsize from existing homes.

Whilst the site is located near to bus stops, the frequency of services is limited. However, following the development and potential future development in the surrounding hinterland, it is likely that additional services could be re-routed through Longstowe. The viability of local facilities will also be improved following potential future developments within the area.

A TRICS assessment for a residential development of approximately 30 units was completed and the resulting AM peak hour and PM peak hour vehicle trips generated are considered to have no detrimental impact. The TRICS review was based on retirement villages.

The vehicle access design have 5.5m carriageways and 2m footways. This could support a much higher development site in terms of highway and access layout. The visibility splays would meet the requirements of appropriate design standards.

If you have any queries or require any clarification, please do not hesitate to contact me.

Yours Sincerely,

Michael Caraglia

Enclosed:

Appendix A – Red Line Plan

Appendix B – Visibility Splays and Indicative Site Accesses

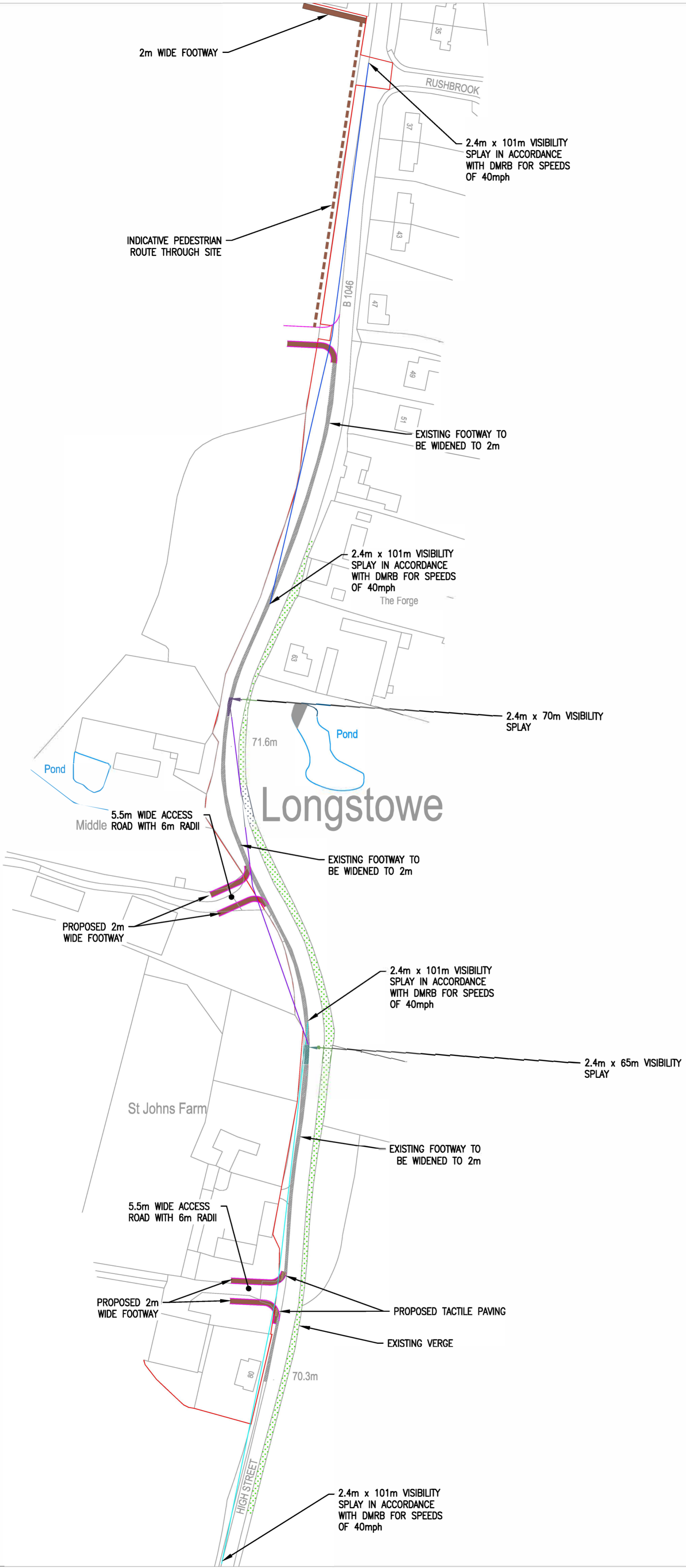
Appendix C – Local Bus Timetable

Appendix D – TRICS Data

Appendix A – Red Line Plan



Appendix B – Visibility Splay and Indicative Site Access



REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:

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CLIENT:

ARCHITECT:

PROJECT:
**LAND OFF HIGH STREET
LONGSTOWE**

TITLE:
**INDICATIVE PEDESTRIAN AND VEHICULAR
ACCESSES AND VISIBILITY SPLAYS**

SCALE @ A2: **1:1000** DESIGN-DRAWN: **MC/RC** DATE: **24/02/2020**

PROJECT No: DRAWING No:
SK01 & SK01 REV B

Appendix C – Local Bus Timetable



The information on this timetable is expected to be valid until at least 5th February 2020. Where we know of variations, before or after this date, then we show these at the top of each affected column in the table.

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

	Service Restrictions	Th
St Neots, Market Square (Stop A)		1300
Eynesbury, o/s Tesco		1310
Abbotsley, nr Vicarage Farmyard		1316
Waresley, opp St James's Church		1322
Gamlingay, adj Rowan Gardens		1329
Gamlingay, o/s 7 Church Street		1331
Little Gransden, nr Main Road		1336
Great Gransden, nr Eltisbury Road		1339
Little Gransden, opp Church Street		1343
Bourn, opp School Lane		1347
Orwell, nr Lordship Close		1357
Arrington, Church Lane (W-bound)		1407
Croydon, opp The Queen Adelaide		1410
East Hatley, nr Moat Farm		1417
Hatley St George, nr Buff Lane		1420
Hatley, nr Newlands Cottages		1422

Saturdays

no service

Sundays

no service

Service Restrictions: Th - Operates only on Thursdays



The information on this timetable is expected to be valid until at least 5th February 2020. Where we know of variations, before or after this date, then we show these at the top of each affected column in the table.

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

Service Restrictions	Th
Hatley, nr Newlands Cottages	0908
Hatley St George, opp Buff Lane	0910
East Hatley, opp Moat Farm	0913
Croydon, nr The Queen Adelaide	0920
Arrington, Church Lane (E-bound)	0923
Orwell, nr Lordship Close	0933
Longstowe, nr Rushbrook Close	0943
Little Gransden, nr Main Road	0947
Great Gransden, opp Eltisley Road	0951
Little Gransden, opp Church Street	0954
Gamlingay, opp 7 Church Street	0959
Gamlingay, opp Rowan Gardens	1001
Waresley, o/s St James's Church	1008
Abbotsley, opp Vicarage Farmyard	1014
Eynesbury, o/s Tesco	1020
St Neots, Market Square (Stop A)	1030

Saturdays

no service

Sundays

no service

Service Restrictions: Th - Operates only on Thursdays



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 (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
CMBDTPWP	St Neots, Market Square (Stop A)	Market Square	0500HSTNS062
CMBDTGMG	St Neots, opp Church Street	High Street	0500HSTNS087
CMBDTATP	St Neots, nr Church View	Church Street	0500HSTNS006
CMBDTPPA	Eynesbury, nr Howitts Lane	Berkley Street	0500HSTNS043
CMBDTAWG	Eynesbury, nr Waterloo Drive	Berkley Street	0500HSTNS010
CMBDMWPW	Eynesbury, o/s Tesco	Chapman Way	0500HEYNE001
CMBGMDAG	Eynesbury, nr Carisbrooke Way	Caernarvon Road	0500HSTNS127
CMBDMWTA	Eynesbury, nr Pembroke Avenue	Andrew Road	0500HEYNE002
CMBDTGDW	Eynesbury, opp Windsor Close	Andrew Road	0500HSTNS077
CMBDTGTM	Eynesbury, opp Bishops Road	Potton Road	0500HSTNS103
CMBDTGTJ	Eynesbury, nr Howitts Gardens	Potton Road	0500HSTNS102
CMBDMPGD	Abbotsley, nr High Green	St Neots Road	0500HABBY003
CMBDMPDW	Abbotsley, nr Vicarage Farmyard	St Neots Road	0500HABBY001
CMBDTJTW	Waresley, opp St James's Church	Manor Farm Road	0500HWARE001
CMBGDWAJ	Gamlingay Cinques, o/s 16 The Cinques	The Cinques	0500SGAML012
CMBGMDGJ	Gamlingay, nr Beechside	Green Acres	0500SGAML013
CMBDWJGA	Gamlingay, adj Rowan Gardens	Green Acres	0500SGAML006
CMBDWJDW	Gamlingay, opp Fairfield	Green End	0500SGAML005
CMBDWJDM	Gamlingay, o/s 7 Church Street	Church Street	0500SGAML002
CMBGAGTA	Little Gransden, nr Main Road	Church Street	0500SLITG001
CMBDPDGA	Great Gransden, opp Crow Tree Street	Little Gransden Lane	0500HGREG001
CMBDPDGD	Great Gransden, nr Eltisle Road	Fox Street	0500HGREG002
CMBGAGTD	Little Gransden, opp Church Street	Main Road	0500SLITG002
CMBGAJDM	Longstowe, opp Rushbrook Close	High Street	0500SLONE002
CMBGMGTA	Bourn, opp School Lane	Old North Road	0500SBOUR025
CMBGDGMT	Arrington, opp 75 Ermine Way	Ermine Way	0500SWIMP004
CMBGDGMJ	Arrington, opp Whitehall Farm	Ermine Way	0500SWIMP002
CMBGDGMW	Wimpole, opp 106 Cambridge Road	Cambridge Road	0500SWIMP005
CMBGDGMG	Wimpole, o/s 68 Cambridge Road	Cambridge Road	0500SWIMP001
CMBGDGPA	Wimpole, opp 35 Cambridge Road	Cambridge Road	0500SWIMP006
CMBGAMPJ	Orwell, nr Chequers Close	Town Green Road	0500SORWE004
CMBGAMPM	Orwell, nr Lordship Close	Town Green Road	0500SORWE005
CMBGAMPA	Orwell, nr Cambridge Road	Fishers Lane	0500SORWE001
CMBGDTAW	Wimpole, o/s 35 Cambridge Road	Cambridge Road	0500SWIMP007
CMBGDGMP	Wimpole, o/s 106 Cambridge Road	Cambridge Road	0500SWIMP003
CMBDTMPT	Arrington, nr Whitehall Farm	Ermine Way	0500SARRI002
CMBDTMPW	Arrington, o/s 75 Ermine Way	Ermine Way	0500SARRI003
CMBDTMTA	Arrington, Church Lane (W-bound)	Church Lane	0500SARRI004
CMBGDTDA	Croydon, opp The Queen Adelaide	High Street	0500SCROY002
CMBDWTDW	East Hatley, nr Moat Farm	Main Street	0500SHATL003
CMBDWTDP	Hatley St George, nr Buff Lane	Main Street	0500SHATL001
CMBDWTGD	Hatley, nr Newlands Cottages	Main Street	0500SHATL005



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.

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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
CMBDWTGD	Hatley, nr Newlands Cottages	Main Street	0500SHATL005
CMBDWTDT	Hatley St George, opp Buff Lane	Main Street	0500SHATL002
CMBDWTGA	East Hatley, opp Moat Farm	Main Street	0500SHATL004
CMBDWDAG	Croydon, nr The Queen Adelaide	High Street	0500SCROY001
CMBDTMPM	Arrington, Church Lane (E-bound)	Church Lane	0500SARRI001
CMBGDGMT	Arrington, opp 75 Ermine Way	Ermine Way	0500SWIMP004
CMBGDGMJ	Arrington, opp Whitehall Farm	Ermine Way	0500SWIMP002
CMBGDGMW	Wimpole, opp 106 Cambridge Road	Cambridge Road	0500SWIMP005
CMBGDGMG	Wimpole, o/s 68 Cambridge Road	Cambridge Road	0500SWIMP001
CMBGDGPA	Wimpole, opp 35 Cambridge Road	Cambridge Road	0500SWIMP006
CMBGAMPJ	Orwell, nr Chequers Close	Town Green Road	0500SORWE004
CMBGAMPM	Orwell, nr Lordship Close	Town Green Road	0500SORWE005
CMBGAMPA	Orwell, nr Cambridge Road	Fishers Lane	0500SORWE001
CMBGDTAW	Wimpole, o/s 35 Cambridge Road	Cambridge Road	0500SWIMP007
CMBGDGMP	Wimpole, o/s 106 Cambridge Road	Cambridge Road	0500SWIMP003
CMBDTMPT	Arrington, nr Whitehall Farm	Ermine Way	0500SARRI002
CMBDTMPW	Arrington, o/s 75 Ermine Way	Ermine Way	0500SARRI003
CMBGJDJ	Longstowe, nr Rushbrook Close	High Street	0500SLONE001
CMBGAGTA	Little Gransden, nr Main Road	Church Street	0500SLITG001
CMBDPDGM	Great Gransden, opp Eltisleys Road	Fox Street	0500HGREG004
CMBDPDGJ	Great Gransden, nr Crow Tree Street	Little Gransden Lane	0500HGREG003
CMBGAGTD	Little Gransden, opp Church Street	Main Road	0500SLITG002
CMBDWJDJ	Gamlingay, opp 7 Church Street	Church Street	0500SGAML001
CMBDWJGT	Gamlingay, nr Fairfield	Green End	0500SGAML011
CMBGMJGM	Gamlingay, opp Rowan Gardens	Green Acres	0500SGAML014
CMBDWJGD	Gamlingay, opp Beechside	Green Acres	0500SGAML007
CMBDWJGJ	Gamlingay Cinques, opp 16 The Cinques	The Cinques	0500SGAML008
CMBDTJWA	Waresley, o/s St James's Church	Manor Farm Road	0500HWARE002
CMBDMPGJ	Abbotsley, opp Vicarage Farmyard	St Neots Road	0500HABBY004
CMBDMPGA	Abbotsley, opp High Green	St Neots Road	0500HABBY002
CMBDTAWM	Eynesbury, opp Howitts Gardens	Potton Road	0500HSTNS012
CMBDTAWT	Eynesbury, nr Bishops Road	Potton Road	0500HSTNS014
CMBGMDAW	Eynesbury, nr Windsor Close	Andrew Road	0500HSTNS132
CMBDMWTD	Eynesbury, opp Pembroke Avenue	Andrew Road	0500HEYNE003
CMBGMDAJ	Eynesbury, opp Carisbrooke Way	Caernarvon Road	0500HSTNS128
CMBDMWPW	Eynesbury, o/s Tesco	Chapman Way	0500HEYNE001
CMBDTATG	Eynesbury, opp Waterloo Drive	Berkley Street	0500HSTNS003
CMBDTAWA	Eynesbury, opp Howitts Lane	Berkley Street	0500HSTNS008
CMBDTATW	St Neots, opp Church View	Church Street	0500HSTNS007
CMBDTPW	St Neots, Market Square (Stop A)	Market Square	0500HSTNS062

MONDAYS TO FRIDAYS EXCLUDING BANK HOLIDAYS

route number	18	18	18	18	18	18	18	18	18	18	18		
	Sch	#Sch					#Sch	Sch					
Cambridge Drummer Street bay 5	0740	0745	0845	45			1345	1445	1445	1550	1650	1810	1910
Newnham Granchester Road	0752	0800	0900	00			1400	1500	1500	1605	1705	1825	1925
Grantchester bus shelter	0759	0805	0905	05			1405	1505	1505	1610	1710	1830	1930
Barton Conkers bus shelter	0805	0810	0910	10			1410	1510	1510	1615	1715	1835	1935
Comberton adj. Village College	▼	0816	0916	16			1416	1516	▼	1621	1721	1841	1941
Comberton Village College Grounds	0816	▼	▼	▼			▼	▼	1516	▼	▼	▼	▼
Toft Red Lion	0819	0819	0919	19	THEN		1419	1519	1519	1624	1724	1844	1944
Kingston Green	0823	0823	0923	23	AT		1423	1523	1523	1628	1728	1848	1948
Bourn The Willow Tree	0828	0828	0928	28	THESE	UNTIL	1428	1528	1528	1633	1733	1853	1953
Cambourne Business Park	0837	0837	0937	37	TIMES		1437	1537	1537	1642	1742	▼	▼
Great Cambourne High Street	0840	0840	0940	40	EACH		1440	1540	1540	1645	1745	1902	2002
Lower Cambourne Woodfield Lane	-	-	-	-	HOUR		-	-	-	-	1747	1904	2004
Caxton Brockholt Road	-	-	-	-			-	-	-	-	1753	1910	2010
Longstowe Fox	-	-	-	-			-	-	-	▼	▼	2014	
Great Gransden Post Office	-	-	-	-			-	-	-	-	1800	1917	-
Eltisley The Green	-	-	-	-			-	-	-	-	1807	1924	-


SATURDAYS EXCLUDING BANK HOLIDAYS

route number	18	18	18	18	18	18		
Cambridge Drummer Street bay 5	0845		45		1545	1650	1810	1910
Newnham Granchester Road	0900		00		1600	1705	1825	1925
Grantchester bus shelter	0905		05		1605	1710	1830	1930
Barton Conkers bus shelter	0910		10		1610	1715	1835	1935
Comberton adj. Village College	0916		16		1616	1721	1841	1941
Toft Red Lion	0919	THEN	19		1619	1724	1844	1944
Kingston Green	0923	AT	23		1623	1728	1848	1948
Bourn The Willow Tree	0928	THESE	28	UNTIL	1628	1733	1853	1953
Cambourne Business Park	0937	TIMES	37		1637	1742	▼	▼
Great Cambourne High Street	0940	EACH	40		1640	1745	1902	2002
Lower Cambourne Woodfield Lane	-	HOUR	-		-	1747	1904	2004
Caxton Brockholt Road	-		-		-	1753	1910	2010
Longstowe Fox	-		-		-	▼	▼	2014
Great Gransden Post Office	-		-		-	1800	1917	-
Eltisley The Green	-		-		-	1807	1924	-

LEGEND

- Sch This bus operates on School Days Only
- #Sch This bus operates on School Holidays Only

SUNDAYS & PUBLIC HOLIDAYS - NO SERVICE

This timetable starts 5 January 2020  All of our vehicles are low floor and wheelchair accessible. Each vehicle can carry one wheelchair user.

MONDAYS TO FRIDAYS EXCLUDING BANK HOLIDAYS


route number	18	18	18	18	18	18	18	18	18	18	18	
	#Sch	Sch				#Sch	Sch					
Cambourne Business Park	-	-	-	-	-	-	-	-	-	-	1742	
Great Cambourne High Street	-	-	-	-	-	-	-	-	-	-	1745	
Lower Cambourne Woodfield Lane	-	-	-	-	-	-	-	-	-	-	1747	
Caxton Brockholt Road	-	-	-	-	-	-	-	-	-	-	1753	
Great Gransden Post Office	-	-	-	-	-	-	-	-	-	-	1800	
Longstowe Fox	0631	-	-	-	-	-	-	-	-	-	▼	
Eltisley The Green	▼ 0651	0651	-	-	-	-	-	-	-	-	1809	
Great Gransden Post Office	▼ 0658	0658	-	-	-	-	-	-	-	-	▼	
Caxton Brockholt Road	0635	0705	0705	-	-	-	-	-	-	-	▼	
Great Cambourne High Street	▼	▼	▼	0841	41	1341	1441	1441	1541	1646	▼	
Lower Cambourne Woodfield Lane	0641	0711	0711	0845	THEN AT THESE TIMES EACH HOUR	45	1345	1445	1445	1545	1650	▼
Great Cambourne Morrisons	0643	0713	0713	0847	UNTIL	47	1347	1447	1447	1547	1652	▼
Cambourne Business Park	▼	▼	▼	0851	51	1351	1451	1451	1551	1656	▼	
Bourn The Willow Tree	0652	0722	0722	0900	00	1400	1500	1500	1600	1705	1824	
Kingston Green	0657	0727	0727	0905	05	1405	1505	1505	1605	1710	1829	
Toft Red Lion	0701	0731	0731	0909	09	1409	1509	1509	1609	1714	1833	
Comberton opp. Village College	0704	0734	▼	0912	12	1412	1512	▼	1612	1717	1836	
Comberton Village College Grounds	▼	▼	0734	▼	▼	▼	▼	1517	▼	▼	▼	
Barton Conkers bus shelter	0711	0741	0741	0919	19	1419	1519	1524	1619	1724	1843	
Grantchester bus shelter	0717	0747	0747	0925	25	1425	1525	1530	1625	1730	1849	
Newnham Granchester Road	0723	0753	▼	0931	31	1431	1531	1536	1631	1736	1855	
Trumpington High Street	▼	▼	0805	▼	▼	▼	▼	▼	▼	▼	▼	
Long Road Sixth Form College	▼	▼	0818	▼	▼	▼	▼	▼	▼	▼	▼	
Cambridge Leisure Centre	▼	▼	0828	▼	▼	▼	▼	▼	▼	▼	▼	
Cambridge Drummer Street	0733	0803	0838	0941	41	1441	1541	1546	1641	1746	1905	

SATURDAYS EXCLUDING BANK HOLIDAYS

route number	18	18	18	18	18	
Cambourne Business Park	-	-	-	-	1742	
Great Cambourne High Street	-	-	-	-	1745	
Lower Cambourne Woodfield Lane	-	-	-	-	1747	
Caxton Brockholt Road	-	-	-	-	1753	
Great Gransden Post Office	-	-	-	-	1800	
Eltisley The Green	0656	-	-	-	1809	
Great Gransden Post Office	0703	-	-	-	▼	
Caxton Brockholt Road	0710	-	-	-	▼	
Great Cambourne High Street	▼	0841	THEN AT THESE TIMES EACH HOUR	41	1641	▼
Lower Cambourne Woodfield Lane	0716	0845	UNTIL	45	1645	▼
Great Cambourne Morrisons	0718	0847	47	1647	▼	
Cambourne Business Park	▼	0851	51	1651	▼	
Bourn The Willow Tree	0727	0900	00	1700	1824	
Kingston Green	0732	0905	05	1705	1829	
Toft Red Lion	0736	0909	09	1709	1833	
Comberton opp. Village College	0739	0912	12	1712	1836	
Barton Conkers bus shelter	0746	0919	19	1719	1843	
Grantchester bus shelter	0752	0925	25	1725	1849	
Newnham Granchester Road	0758	0931	31	1731	1855	
Cambridge Drummer Street	0808	0941	41	1741	1905	

LEGEND
 Sch This bus operates on School Days Only
 #Sch This bus operates on School Holidays Only

SUNDAYS & PUBLIC HOLIDAYS - NO SERVICE

This timetable starts **5 January 2020**  All of our vehicles are low floor and wheelchair accessible. Each vehicle can carry one wheelchair user.



Appendix D – TRICS Data

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : 0 - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL VEHICLES

Selected regions and areas:

02	SOUTH EAST		
	HF	HERTFORDSHIRE	1 days
	KC	KENT	1 days
	OX	OXFORDSHIRE	1 days
	SC	SURREY	1 days
03	SOUTH WEST		
	BR	BRISTOL CITY	2 days
	DV	DEVON	2 days
	NS	NORTH SOMERSET	1 days

Secondary Filtering selection:

Parameter: Number of dwellings
 Actual Range: 39 to 149 (units:)
 Range Selected by User: 36 to 149 (units:)

Parking Spaces Range: Selected: 15 to 207 Actual: 15 to 207

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/10 to 27/11/15

Selected survey days:

Tuesday	2 days
Wednesday	2 days
Thursday	2 days
Friday	3 days

Selected survey types:

Manual count	9 days
Directional ATC Count	0 days

Selected Locations:

Suburban Area (PPS6 Out of Centre)	3
Edge of Town	3
Neighbourhood Centre (PPS6 Local Centre)	1
Free Standing (PPS6 Out of Town)	2

Selected Location Sub Categories:

Residential Zone	7
Out of Town	2

Secondary Filtering selection:

Use Class:

Not Known	2 days
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Population within 1 mile:

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

Population within 5 miles:

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

Car ownership within 5 miles:

0.6 to 1.0	1 days
1.1 to 1.5	8 days

Secondary Filtering selection (Cont.):

Travel Plan:

Yes	1 days
No	8 days

PTAL Rating:

No PTAL Present	9 days
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LIST OF SITES relevant to selection parameters

1	BR-03-O-01 HOLLWAY ROAD BRISTOL STOCKWOOD Neighbourhood Centre (PPS6 Local Centre) Residential Zone Total Number of dwellings: 58 <i>Survey date: TUESDAY 22/09/15</i>	RETIREMENT VILLAGE BRISTOL CITY	<i>Survey Type: MANUAL</i>
2	BR-03-O-02 MEG THATCHERS GARDENS BRISTOL Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 49 <i>Survey date: FRIDAY 18/09/15</i>	RETIREMENT VILLAGE BRISTOL CITY	<i>Survey Type: MANUAL</i>
3	DV-03-O-01 ST MARYCHURCH ROAD TORQUAY ST MARYCHURCH Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 45 <i>Survey date: TUESDAY 29/09/15</i>	RETIREMENT VILLAGE DEVON	<i>Survey Type: MANUAL</i>
4	DV-03-O-02 SIDMOUTH ROAD NEAR HONITON Free Standing (PPS6 Out of Town) Out of Town Total Number of dwellings: 66 <i>Survey date: FRIDAY 25/09/15</i>	RETIREMENT VILLAGE DEVON	<i>Survey Type: MANUAL</i>
5	HF-03-O-01 THE COMMON BERKHAMSTED Free Standing (PPS6 Out of Town) Out of Town Total Number of dwellings: 149 <i>Survey date: FRIDAY 27/11/15</i>	RETIREMENT VILLAGE HERTFORDSHIRE	<i>Survey Type: MANUAL</i>
6	KC-03-O-01 RUMFIELDS ROAD BROADSTAIRS Suburban Area (PPS6 Out of Centre) Residential Zone Total Number of dwellings: 40 <i>Survey date: THURSDAY 19/11/15</i>	RETIREMENT VILLAGE KENT	<i>Survey Type: MANUAL</i>
7	NS-03-O-01 DIAMOND BATCH WESTON SUPER MARE WORLE Edge of Town Residential Zone Total Number of dwellings: 137 <i>Survey date: THURSDAY 24/09/15</i>	RETIREMENT VILLAGE NORTH SOMERSET	<i>Survey Type: MANUAL</i>
8	OX-03-O-01 RUSKIN ROAD BANBURY EASINGTON Edge of Town Residential Zone Total Number of dwellings: 70 <i>Survey date: WEDNESDAY 11/11/15</i>	RETIREMENT VILLAGE OXFORDSHIRE	<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

9 SC-03-O-01 RETIREMENT VILLAGE SURREY
WESTFIELD ROAD
WOKING

Edge of Town
Residential Zone

Total Number of dwellings:

39

Survey date: WEDNESDAY

18/11/15

Survey Type: MANUAL

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL 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	73	0.074	9	73	0.040	9	73	0.114
08:00 - 09:00	9	73	0.130	9	73	0.063	9	73	0.193
09:00 - 10:00	9	73	0.167	9	73	0.118	9	73	0.285
10:00 - 11:00	9	73	0.150	9	73	0.155	9	73	0.305
11:00 - 12:00	9	73	0.155	9	73	0.145	9	73	0.300
12:00 - 13:00	9	73	0.126	9	73	0.159	9	73	0.285
13:00 - 14:00	9	73	0.164	9	73	0.187	9	73	0.351
14:00 - 15:00	9	73	0.127	9	73	0.156	9	73	0.283
15:00 - 16:00	9	73	0.142	9	73	0.156	9	73	0.298
16:00 - 17:00	9	73	0.110	9	73	0.127	9	73	0.237
17:00 - 18:00	9	73	0.069	9	73	0.096	9	73	0.165
18:00 - 19:00	9	73	0.057	9	73	0.057	9	73	0.114
19:00 - 20:00	9	73	0.041	9	73	0.055	9	73	0.096
20:00 - 21:00	9	73	0.025	9	73	0.044	9	73	0.069
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.537			1.558			3.095

Parameter summary

Trip rate parameter range selected:	39 - 149 (units:)
Survey date date range:	01/01/10 - 27/11/15
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

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL OGVS
 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	73	0.005	9	73	0.005	9	73	0.010
08:00 - 09:00	9	73	0.005	9	73	0.002	9	73	0.007
09:00 - 10:00	9	73	0.002	9	73	0.005	9	73	0.007
10:00 - 11:00	9	73	0.000	9	73	0.000	9	73	0.000
11:00 - 12:00	9	73	0.002	9	73	0.002	9	73	0.004
12:00 - 13:00	9	73	0.002	9	73	0.002	9	73	0.004
13:00 - 14:00	9	73	0.003	9	73	0.002	9	73	0.005
14:00 - 15:00	9	73	0.000	9	73	0.002	9	73	0.002
15:00 - 16:00	9	73	0.000	9	73	0.000	9	73	0.000
16:00 - 17:00	9	73	0.000	9	73	0.000	9	73	0.000
17:00 - 18:00	9	73	0.000	9	73	0.000	9	73	0.000
18:00 - 19:00	9	73	0.002	9	73	0.002	9	73	0.004
19:00 - 20:00	9	73	0.000	9	73	0.000	9	73	0.000
20:00 - 21:00	9	73	0.000	9	73	0.000	9	73	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.021			0.022			0.043

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL CYCLISTS
 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	73	0.003	9	73	0.003	9	73	0.006
08:00 - 09:00	9	73	0.003	9	73	0.000	9	73	0.003
09:00 - 10:00	9	73	0.000	9	73	0.003	9	73	0.003
10:00 - 11:00	9	73	0.002	9	73	0.000	9	73	0.002
11:00 - 12:00	9	73	0.002	9	73	0.000	9	73	0.002
12:00 - 13:00	9	73	0.000	9	73	0.002	9	73	0.002
13:00 - 14:00	9	73	0.000	9	73	0.000	9	73	0.000
14:00 - 15:00	9	73	0.000	9	73	0.002	9	73	0.002
15:00 - 16:00	9	73	0.000	9	73	0.000	9	73	0.000
16:00 - 17:00	9	73	0.000	9	73	0.000	9	73	0.000
17:00 - 18:00	9	73	0.000	9	73	0.000	9	73	0.000
18:00 - 19:00	9	73	0.002	9	73	0.000	9	73	0.002
19:00 - 20:00	9	73	0.000	9	73	0.002	9	73	0.002
20:00 - 21:00	9	73	0.000	9	73	0.000	9	73	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.012			0.012			0.024

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL VEHICLE OCCUPANTS

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	73	0.083	9	73	0.040	9	73	0.123
08:00 - 09:00	9	73	0.147	9	73	0.064	9	73	0.211
09:00 - 10:00	9	73	0.182	9	73	0.124	9	73	0.306
10:00 - 11:00	9	73	0.168	9	73	0.187	9	73	0.355
11:00 - 12:00	9	73	0.185	9	73	0.173	9	73	0.358
12:00 - 13:00	9	73	0.155	9	73	0.193	9	73	0.348
13:00 - 14:00	9	73	0.194	9	73	0.234	9	73	0.428
14:00 - 15:00	9	73	0.150	9	73	0.184	9	73	0.334
15:00 - 16:00	9	73	0.172	9	73	0.184	9	73	0.356
16:00 - 17:00	9	73	0.142	9	73	0.147	9	73	0.289
17:00 - 18:00	9	73	0.104	9	73	0.130	9	73	0.234
18:00 - 19:00	9	73	0.077	9	73	0.067	9	73	0.144
19:00 - 20:00	9	73	0.047	9	73	0.070	9	73	0.117
20:00 - 21:00	9	73	0.035	9	73	0.055	9	73	0.090
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.841			1.852			3.693

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL PEDESTRIANS
 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	73	0.017	9	73	0.017	9	73	0.034
08:00 - 09:00	9	73	0.018	9	73	0.011	9	73	0.029
09:00 - 10:00	9	73	0.043	9	73	0.035	9	73	0.078
10:00 - 11:00	9	73	0.021	9	73	0.040	9	73	0.061
11:00 - 12:00	9	73	0.049	9	73	0.044	9	73	0.093
12:00 - 13:00	9	73	0.049	9	73	0.046	9	73	0.095
13:00 - 14:00	9	73	0.043	9	73	0.043	9	73	0.086
14:00 - 15:00	9	73	0.023	9	73	0.044	9	73	0.067
15:00 - 16:00	9	73	0.032	9	73	0.035	9	73	0.067
16:00 - 17:00	9	73	0.028	9	73	0.017	9	73	0.045
17:00 - 18:00	9	73	0.018	9	73	0.014	9	73	0.032
18:00 - 19:00	9	73	0.006	9	73	0.012	9	73	0.018
19:00 - 20:00	9	73	0.002	9	73	0.014	9	73	0.016
20:00 - 21:00	9	73	0.003	9	73	0.002	9	73	0.005
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.352			0.374			0.726

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL PUBLIC TRANSPORT USERS

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	73	0.008	9	73	0.002	9	73	0.010
08:00 - 09:00	9	73	0.009	9	73	0.003	9	73	0.012
09:00 - 10:00	9	73	0.026	9	73	0.017	9	73	0.043
10:00 - 11:00	9	73	0.041	9	73	0.008	9	73	0.049
11:00 - 12:00	9	73	0.012	9	73	0.017	9	73	0.029
12:00 - 13:00	9	73	0.003	9	73	0.015	9	73	0.018
13:00 - 14:00	9	73	0.009	9	73	0.017	9	73	0.026
14:00 - 15:00	9	73	0.009	9	73	0.025	9	73	0.034
15:00 - 16:00	9	73	0.018	9	73	0.040	9	73	0.058
16:00 - 17:00	9	73	0.003	9	73	0.002	9	73	0.005
17:00 - 18:00	9	73	0.006	9	73	0.000	9	73	0.006
18:00 - 19:00	9	73	0.002	9	73	0.000	9	73	0.002
19:00 - 20:00	9	73	0.008	9	73	0.003	9	73	0.011
20:00 - 21:00	9	73	0.000	9	73	0.000	9	73	0.000
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.154			0.149			0.303

TRIP RATE for Land Use 03 - RESIDENTIAL/O - RETIREMENT AND CARE COMMUNITY
 MULTI-MODAL TOTAL PEOPLE
 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	73	0.110	9	73	0.061	9	73	0.171
08:00 - 09:00	9	73	0.178	9	73	0.078	9	73	0.256
09:00 - 10:00	9	73	0.251	9	73	0.179	9	73	0.430
10:00 - 11:00	9	73	0.233	9	73	0.234	9	73	0.467
11:00 - 12:00	9	73	0.248	9	73	0.234	9	73	0.482
12:00 - 13:00	9	73	0.207	9	73	0.256	9	73	0.463
13:00 - 14:00	9	73	0.247	9	73	0.294	9	73	0.541
14:00 - 15:00	9	73	0.182	9	73	0.254	9	73	0.436
15:00 - 16:00	9	73	0.222	9	73	0.259	9	73	0.481
16:00 - 17:00	9	73	0.173	9	73	0.165	9	73	0.338
17:00 - 18:00	9	73	0.129	9	73	0.144	9	73	0.273
18:00 - 19:00	9	73	0.086	9	73	0.080	9	73	0.166
19:00 - 20:00	9	73	0.057	9	73	0.089	9	73	0.146
20:00 - 21:00	9	73	0.038	9	73	0.057	9	73	0.095
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.361			2.384			4.745