



Nick Culhane
Highway Consultant

Land to the Rear of Oakfields

Winchester Road

Fair Oak

September 2020

Idlewild

Fairclose Drive

Littleton

Winchester

Hampshire

SO22 6QW

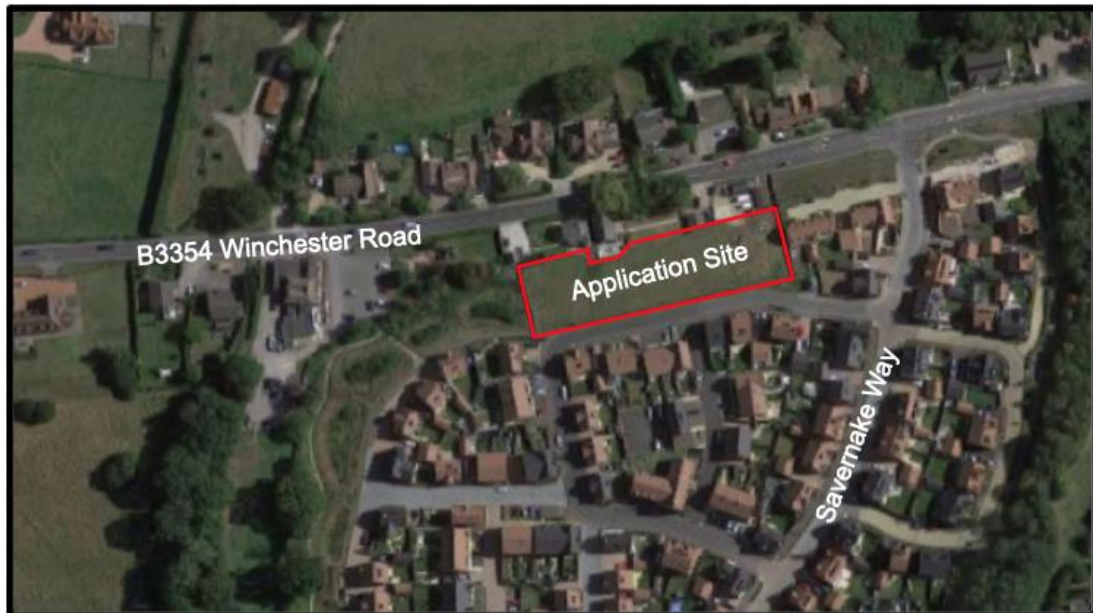
Tel: 01962 889080 / 07787 530717

Web: Nickculhane.co.uk

Email: Nick@nickculhane.co.uk

1. Introduction

- 1.1. This Transport Statement has been commissioned by Mrs Denham-Harding to accompany a planning application for a residential redevelopment on land to the rear of Oakfields, Winchester Road, Fair Oak. The location of the site is shown below.



Site Location

2. Site and Surrounding Area

- 2.1. The site is located to the west of the B3354 Winchester Road at Fair Oak. The site forms part of Oakfields, a detached residential dwelling which is accessed from Winchester Road.
- 2.2. To the south of the site are redundant stables which formally were used as stabling for a large area of equestrian land which has now been redeveloped for residential use at Savernake Way.
- 2.3. The B3354 runs north to south connecting Botley, Horton Heath and Fair Oak to the south with Colden Common, Twyford and ultimately Winchester to the north.
- 2.4. The road at this point is subject to a 30 mph speed limit and benefits from a pedestrian footway on the eastern side together with street lighting.
- 2.5. A recent residential development saw the creation of Savernake Way immediately to the south of the site. Savernake Way has a junction with Winchester Road in the form of a ghost island right turn lane with a protected pedestrian crossing point.
- 2.6. An investigation into Hampshire Constabulary's Accident Database has revealed that there have been no personal injury accidents at the Winchester Road / Savernake Way junction, or within a 200m radius, within the last 5 years, which would suggest that the junction is operating safely.
- 2.7. The nearest bus stops to the site are located some 130m south of the site on Winchester Road. These stops serve the Stagecoach 69 and Xelabus Service X9. Further stops are available at Sandy Lane (420m south) which also serves the Bluestar 2

Service. These services and their frequency are listed below whilst the full bus timetables are included as Appendix 1 to this statement.

Operator	Service No.	Route	Week Day	Weekend
Stagecoach	69	Winchester to Fareham	14	13
Stagecoach	69	Fareham to Winchester	15	13
Xelabus	X9	Bishops Waltham to Eastleigh	13	7
Xelabus	X9	Eastleigh to Bishops Waltham	12	6
Bluestar	2	Southampton to Fair Oak	52	47
Bluestar	2	Fair Oak to Southampton	47	46
Total Buses Per Day			153	122

3. Planning History

- 3.1. There is a considerable planning history to area of land surrounding this application site as planning application numbered 0/13/73707 was approved by Eastleigh Borough Council for the erection of up to 330 dwellings including the provision of a new community building and new access junction with Winchester Road.
- 3.2. Hampshire County Council as highway authority considered the highway implications of the proposal and recommended no objections subject to a number of highway improvements including a pedestrian footway south of the site and implementation of pedestrian crossings.
- 3.3. The application was approved in outline form and more recent applications have been submitted to address reserved matters of various phases of the development.
- 3.4. It is understood that this development is now fully completed and occupied.

4. Proposed Development

- 4.1. Oakfields consists of a detached dwelling with access directly onto Winchester Road. This also accommodates redundant stables which previously served paddocks which now form part of the Savernake Way Residential development. There is currently a vacant area of land which lies between Oakfields / the stables and Delemere Gardens.
- 4.2. Onto this area of land, it is proposed to erect a residential development of 9 dwellings being a mixture of detached and semi detached units. The development will consist of 5 number four bedroom units and 4 number three bed semi detached units.
- 4.3. Access to the site is to be from Delemere Gardens which forms part of the new residential development. Delemere Gardens is a residential access road measuring 4.8m in width. This width allows for a car and lorry to pass, or to accommodate casual on street car parking.
- 4.4. There is a footway on the western section of Delemere Gardens with a grass verge between the road and the application site. As part of this proposal is it intended that the verge will be upgraded to a 2.0m wide pedestrian footway.
- 4.5. Plots 1 to 3 will be served by a new dropped kerb access whilst plots 4 to 9 will face onto Delemere Gardens and will be served by 4 new dropped footway crossings.

5. Car and Cycle Parking

5.1. Car and cycle parking standards for the Eastleigh District are set out within the Councils Parking, Supplementary Planning Document, 2009. The development of 9 units is to have all allocated parking. The number of spaces provided is therefore set out below.

Development		Car Spaces		Cycle Spaces	
No. of Bedrooms	No. of Dwellings	Per Dwelling	Total Req'd	Per Dwelling	Total Req'd
3	4	2	8	2	8
4	5	3	15	2	10
Total	9	n/a	23	n/a	18

5.2. Based on the adopted parking standards, a total of 23 allocated parking spaces would be required for the development, although in this instance, a total of 24 parking spaces are to be provided.

5.3. As recognised in Section 2 however, the site is located in an accessible location, close to excellent public transport facilities therefore the number of parking spaces provided as part of this scheme is considered to be appropriate in this instance.

5.4. Cycle Parking is to be accommodated within secure sheds in rear gardens or within garages in the case of plots 3, 8 and 9.

6. Traffic Impact

6.1. In order to establish the likely traffic impact that the proposed dwellings will have on the surrounding highway network, the TRICS database Version 7.7.1 has been interrogated. Small residential developments of between 6 and 22 units were selected within suburban and neighbourhood areas. The Trip Rates and likely Trip Generation is shown below.

TRICS Trip Rate for Private Residential Units			
	Arrivals	Departures	Two-way Total
AM Peak Hour	0.155	0.345	0.500
PM Peak Hour	0.289	0.113	0.402
Daily Traffic	2.261	2.464	4.725
TRICS Vehicle Trip Generation based on 9 Units			
AM Peak Hour	1.395(1)	3.105(3)	5
PM Peak Hour	2.601(3)	1.017(1)	4
Daily Traffic	20.349(20)	22.176(22)	43

6.2. From the data above, it can be seen that the proposed residential development is likely to generate just 5 AM peak movements, 4 PM peak movements and a daily average of 43 two way traffic movements. The TRICS data is attached a Appendix 2 to this statement.

6.3. The additional traffic likely to be generated by the development is not considered to have any material impact to the surrounding highway network.

7. Servicing and Refuse Collection

- 7.1. The site fronts onto Delemere Gardens, where refuse is collected from the street. It is anticipated that refuse and other deliveries and collections will continue to take place from the public highway.

8. Summary and Conclusion

- 8.1. This Transport Statement has been commissioned by Mrs Denham-Harding to accompany a planning application for a residential redevelopment on land to the rear of Oakfields, Winchester Road, Fair Oak
- 8.2. The site is located within an existing residential area, close to the Fair Oak Village Centre
- 8.3. Car and cycle parking are to be provided in accordance with Eastleigh Borough Councils adopted Parking Standards, taking into account public transport accessibility.
- 8.4. Utilising appropriate TRICS data, it has been demonstrated that the proposed residential development will result in a nominal increase in traffic which will not result in any material traffic impact.

Nick Culhane

September 2020

Appendix 1

Bus Time Tables

Days of Operation

Mondays to FridaysCommencing **28th June 2020**

Service Number

069

Service Description

Winchester - Fareham

Service No.	69	69	69	69		69		69	69	69	69
Winchester, Bus Stn [E]	0635	0735	0835	0925	then	25	Until	1625	1710	1740	1855
St Cross, Bell Inn	0641	0741	0841	0934	at	34		1634	1718	1748	1902
Twyford, Post Office	0646	0746	0846	0942	these	42		1642	1726	1756	1909
C.Common, Main Rd (Spring La)	0650	0750	0850	0946	times	46		1646	1730	1800	1913
Fair Oak, Square	0701	0801	0901	0958	each	58		1658	1740	1810	1923
Bishops Waltham, Square	0715	0815	0915	1011	hour	11		1711	1750	1822	1933
Swanmore, Post Office	0725	0825	0925	1021		21		1721	1759	1831	-
Waltham Chase, Crossroads	0731	0831	0931	1026		26		1726	1803	1835	-
Wickham, Square	0741	0841	0941	1036		36		1736	-	1845	-
Fareham, West St	0751	0851	0951	1046		46		1746	-	1855	-
Fareham Stn, West St	0756	0856	0956	1052		52		1752	-	1858	-

Days of Operation

Mondays to FridaysCommencing **28th June 2020**

Service Number

069

Service Description

Winchester - Fareham

Service No.	69	69	69	69	69	69	69		69		69	69	69	69
Fareham Stn, West St	-	-	-	0758	0858	0958	1055	then	55	Until	1555	1655	1755	1900
Fareham, Bus Station [C]	-	-	-	0801	0901	1001	1058	at	58		1558	1658	1758	1903
Fareham, Bus Station [C]	-	-	-	0805	0905	1005	1105	these	05		1605	1705	1805	1905
Wickham, Square	-	0712	-	0820	0920	1020	1120	times	20		1620	1720	1817	1917
Waltham Chase, Crossroads	-	0719	-	0827	0927	1027	1127	each	27		1627	1727	1824	1924
Swanmore, Church	-	0723	-	0832	0932	1032	1132	hour	32		1632	1732	1828	1928
Bishops Waltham, Square	0642	0732	0802	0843	0943	1043	1143		43		1643	1741	1837	1937
Fair Oak, Square	0652	0742	0812	0855	0955	1055	1155		55		1655	-	1847	1947
C.Common, Main Rd (Spring La)	0705	0755	0825	0908	1008	1108	1208		08		1708	-	1858	1958
Twyford, Crossroads	0709	0759	0829	0913	1013	1113	1213		13		1713	-	1901	2001
St Cross, Bell Inn	0716	0806	0836	0920	1020	1120	1220		20		1720	-	1908	2008
Winchester, Bus Station [arr]	0728	0818	0848	0935	1035	1135	1235		35		1735	-	1915	2015

Codes:

b Park bus in Broadway (for ferry to depot)

Days of Operation

SaturdaysCommencing **28th June 2020**

Service Number

069

Service Description

Winchester - Fareham

Service No.	69	69	69	69		69		69	69	69	69
Winchester, Bus Stn [E]	-	0735	0835	0925	then	25	Until	1525	1625	1725	1825
St Cross, Bell Inn	-	0741	0841	0934	at	34		1534	1633	1733	1832
Twyford, Post Office	-	0746	0846	0942	these	42		1542	1641	1741	1839
C.Common, Main Rd (Spring La)	-	0750	0850	0946	times	46		1546	1645	1745	1843
Fair Oak, Square	-	0801	0901	0958	each	58		1558	1655	1755	1853
Bishops Waltham, Square	0732	0815	0915	1011	hour	11		1611	1707	1807	1903
Swanmore, Post Office	0741	0825	0925	1021		21		1621	1716	1816	-
Waltham Chase, Crossroads	0745	0831	0931	1026		26		1626	1720	1820	-
Wickham, Square	0755	0841	0941	1036		36		1636	1730	1830	-
Fareham, West St	0805	0851	0951	1046		46		1646	1740	1840	-
Fareham Stn, West St	0808	0856	0956	1052		52		1652	1743	1843	-

Days of Operation

SaturdaysCommencing **28th June 2020**

Service Number

069

Service Description

Winchester - Fareham

Service No.	69	69	69	69	69		69		69	69	69	69
Fareham Stn, West St	-	0810	0858	0958	1055	then	55	Until	1555	1655	1745	1845
Fareham, Bus Station [C]	-	0813	0901	1001	1058	at	58		1558	1658	1748	1848
Fareham, Bus Station [C]	-	0815	0905	1005	1105	these	05		1605	1700	1750	1850
Wickham, Square	-	0829	0920	1020	1120	times	20		1620	1713	1802	1902
Waltham Chase, Crossroads	0729	0836	0927	1027	1127	each	27		1627	1720	1809	1909
Swanmore, Church	0733	0840	0932	1032	1132	hour	32		1632	1724	1813	1913
Bishops Waltham, Square	0742	0849	0943	1043	1143		43		1643	1735	1822	1922
Fair Oak, Square	0752	0859	0955	1055	1155		55		1655	-	1832	1932
C.Common, Main Rd (Spring La)	0805	0912	1008	1108	1208		08		1708	-	1843	1943
Twyford, Crossroads	0809	0916	1013	1113	1213		13		1713	-	1846	1946
St Cross, Bell Inn	0816	0923	1020	1120	1220		20		1720	-	1853	1953
Winchester, Bus Station [arr]	0828	0935	1035	1135	1235		35		1735	-	1900	2000

Codes:

b Park bus in Broadway (for ferry to depot)

Days of Operation

Sundays

Commencing **28th June 2020**

Service Number

069

Service Description

Winchester - Fareham

Service No.	69	69	69	69	69	69
Winchester, Bus Stn [E]	0925	1055	1225	1515	1645	1815
St Cross, Bell Inn	0933	1103	1233	1523	1653	1822
Twyford, Post Office	0940	1110	1240	1530	1700	1829
C.Common, Main Rd (Spring La)	0944	1114	1244	1534	1704	1833
Marwell, Zoo entr.	0954	1124	1254	-	-	-
Fair Oak, Square	-	-	-	1544	1714	1843
Bishops Waltham, Square	1005	1135	1305	1555	1725	1853

Days of Operation

Sundays

Commencing **28th June 2020**

Service Number

069

Service Description

Winchester - Fareham

Service No.	69	69	69	69	69	69
Bishops Waltham, Square	0840	1008	1138	1308	1558	1728
Marwell, Zoo entr.	-	-	-	1320	1610	1740
Fair Oak, Square	0852	1020	1150	-	-	-
C.Common, Main Rd (Spring La)	0902	1030	1200	1330	1620	1750
Twyford, Crossroads	0906	1034	1204	1334	1624	1754
St Cross, Bell Inn	0912	1040	1210	1340	1630	1800
Winchester, Bus Station [arr]	0920	1050	1220	1350	1640	1810

Monday to Friday
(except Public Holidays)

BISHOP'S WALTHAM | Swanmore | Waltham Chase | Curdridge | Botley | Hedge End
Fair Oak | Colden Common | Allbrook | **EASTLEIGH Bus Station**

BISHOPS WALTHAM Square	0652	0757	0902		1402	1502	1602	1706	1806	1903
Swanmore Post Office	0658	0803	0908		1408	1508	1608	1712	1812	1909
Swanmore College	0700	0805	0910		1410	1510	1610	1714	1814	1911
Waltham Chase cross roads	0702	0807	0912		1412	1512	1612	1716	1816	1913
Curdridge Church	0708	0813	0918	Then	1418	1518	1618	1722		
Botley Station	0710	0815	0920	every	1420	1520	1620	1724		
Botley School	0712	0817	0922	hour	1422	1522	1622	1724		
Hedge End Barleycorn	0716	0821	0926	until	1426	1526	1626	1730		
Hedge End Superstores	0722	0827	0932		1432	1532	1632	1736		
Hedge End Station	0729	0834	0939		1439	1539	1639	1743		
Denhams Corner	0733	0838	0943		1443	1543	1643	1747		
Fair Oak Square	0738	0843	0948		1448	1548	1648	1752		
Colden Common, New Road	0748	0853	0958		1458	1558	1658	1802		
Allbrook Hill	0754	0859	1004		1504	1604	1704	1808		
EASTLEIGH Bus Station	0811	0911	1011		1511	1611	1711	1815		
BARTON PEVERIL COLLEGE	0820	0920	1020		1520					



College days only



Villagegreen



Hampshire's **Greenest** bus company



Monday to Friday
(except Public Holidays)

BARTON PEVERIL COLLEGE

EASTLEIGH Bus Station
Allbrook Hill
Colden Common, New Road
Fair Oak Square
Horton Heath, Denhams Comer
Hedge End Station
Hedge End Superstores
Hedge End, opp Barleycorn
Botley School
Botley Station
Curdridge Church
Waltham Chase cross roads
Swanmore College
Swanmore Post Office
BISHOPS WALTHAM Square



EASTLEIGH Bus Station | Allbrook | Colden Common | Fair Oak | Hedge End | Botley
Curdridge | Waltham Chase | Swanmore | **BISHOPS WALTHAM**

SDO

X9A

X9

X9

X9

X9

X9

X9

X9

0820

0920

1020

1520

0830

0930

1030

1530

1630

1730

1830

0835

0935

1035

1535

1635

1735

1835

0840

0940

1040

1540

1640

1740

1840

0705

0849

0949

1049

Then

1549

1649

1749

1849

0709

0854

0954

1054

every

1554

1654

1754

1854

0712

0858

0958

1058

hour

1558

1658

1758

1858

0719

0905

1005

1105

until

1605

1705

1805

1905

0725

0911

1011

1111

1611

1711

1811

1911

0728

0915

1015

1115

1615

1715

1815

1915

0731

0917

1017

1117

1617

1717

1817

1917

0732

0919

1019

1119

1619

1719

1819

1919

-

0925

1025

1125

1625

1725

1825

1925

0800

0927

1027

1127

1627

1727

1827

1927

0753

0929

1029

1129

1629

1729

1829

1929

0740

0935

1035

1135

1635

1735

1835

1935



College days only

Villagegreen



Codes:

SDO - Schooldays only

Service X9A Please note, the X9A after Bishops Waltham Square follows the same route as the X9 and only operates on Swanmore School days.

Special fares apply for Swanmore College.
(See page for **ticket types**)

Service X9 is partly funded by
Hampshire County Council
& Eastleigh Borough Council



Hampshire's **Greenest** bus company



Saturdays

BISHOPS WALTHAM Sq

Swanmore Post Office
Swanmore College
Waltham Chase cross rds
Curdridge Church
Botley Station
Botley School
Hedge End Barleycorn
Hedge End Superstores
Hedge End Station
Denhams Corner
Fair Oak Square
Colden Common, New Rd
Allbrook Hill

EASTLEIGH Bus Station

BISHOP'S WALTHAM | Swanmore | Waltham Chase | Curdridge | Botley | Hedge End
Fair Oak | Colden Common | Allbrook | **EASTLEIGH Bus Station**

0702	0902	1102	1302	1502	1706	1903
0708	0908	1108	1308	1508	1712	1909
0710	0910	1110	1310	1510	1714	1911
0712	0912	1112	1312	1512	1716	1913
0718	0918	1118	1318	1518	1722	
0720	0920	1120	1320	1520	1724	
0722	0922	1122	1322	1522	1726	
0726	0926	1126	1326	1526	1730	
0732	0932	1132	1332	1532	1736	
0739	0939	1139	1339	1539	1743	
0743	0943	1143	1343	1543	1747	
0748	0948	1148	1348	1548	1752	
0758	0958	1158	1358	1558	1802	
0804	1004	1204	1404	1604	1808	
0811	1011	1211	1411	1611	1815	

EASTLEIGH Bus Station

Allbrook Hill	0835	1035	1235	1435	1635	1835
Colden Common, New Rd	0840	1040	1240	1440	1640	1840
Fair Oak Square	0849	1049	1249	1449	1649	1849
Horton Heath, Denhams Corner	0854	1054	1254	1454	1654	1854
Hedge End Station	0858	1058	1258	1458	1658	1858
Hedge End Superstores	0905	1105	1305	1505	1705	1905
Hedge End, opp Barleycorn	0911	1111	1311	1511	1711	1911
Botley School	0915	1115	1315	1515	1715	1915
Botley Station	0917	1117	1317	1517	1717	1917
Curdridge Church	0919	1119	1319	1519	1719	1919
Waltham Chase cross rds	0925	1125	1325	1525	1725	1925
Swanmore College	0927	1127	1327	1527	1727	1927
Swanmore Post Office	0929	1129	1329	1529	1729	1929
BISHOPS WALTHAM Sq	0935	1135	1335	1535	1735	1935

Villagegreen



Sorry, no service on Sundays / Bank Holidays





from 26 July 2020

Mondays to Fridays
except Public Holidays

SOUTHAMPTON | PORTSWOOD | EASTLEIGH | FAIR OAK

Southampton Hanover Buildings
Portswood Broadway
Swaythling McDonald's
North Stoneham Robin Square
Nightingale Bridge
Eastleigh Bus Station
Bishopstoke Riverside
Stoke Park Road Drake Road
Fair Oak Road Welcome Inn
Sandy Lane Victena Road
Fair Oak Square

0610	0640	0710	0730	0800	0830	0855	10 25 40 55	1510	1525	1540	1600	1620	1640	1700
0622	0652	0722	0745	0815	0845	0910	25 40 55 10	1525	1542	1557	1617	1638	1658	1718
0628	0658	0728	0752	0822	0852	0917	32 47 02 17	1532	1549	1604	1625	1646	1706	1726
0635	0705	0736	0800	0830	0900	0925	40 55 10 25	1540	1558	1614	1635	1657	1717	1737
0637	0707	0738	0802	0832	0902	0928	43 58 13 28	1543	1601	1617	1638	1700	1720	1740
0627	0649	0720	0750	0815	0847	0917	56 11 26 41	1556	1615	1635	1655	1715	1735	1755
0630	0653	0725	0755	0820	0852	0922	02 17 32 47	1602	1621	1641	1701	1721	1741	1801
0633	0656	0728	0758	0823	0855	0925	05 20 35 50	1605	1624	1644	1704	1724	1744	1804
0637	0700	0733	0803	0828	0900	0930	10 25 40 55	1610	1629	1649	1709	1729	1749	1809
0641	0704	0737	0807	0832	0904	0934	14 29 44 59	1614	1634	1654	1714	1734	1754	1814
0646	0709	0747	0813	0840	0914	0944	19 34 49 04	1619	1639	1659	1719	1739	1759	1818

then every 15 mins at

until

continues below

Southampton Hanover Buildings
Portswood Broadway
Swaythling McDonald's
North Stoneham Robin Square
Nightingale Bridge
Eastleigh Bus Station
Bishopstoke Riverside
Stoke Park Road Drake Road
Fair Oak Road Welcome Inn
Sandy Lane Victena Road
Fair Oak Square

1720	1740	1800	1820	1850	1920	1950	2020	2050	2120	2220	2320	0030
1738	1757	1817	1835	1905	1932	2002	2032	2102	2132	2231	2331	0040
1746	1805	1824	1841	1911	1938	2008	2038	2108	2138	2236	2336	0044
1757	1814	1833	1849	1919	1945	2015	2045	2115	2145	2242	2342	0049
1800	1817	1835	1851	1921	1947	2017	2047	2117	2147	2244	2344	0051
1815	1830	1845	1900	1930	1956	2024	2056	2124	2156	2252	2352	0057
1821	1835	1849	1904	1934	2000		2100		2200	2255	2355	0100
1824	1838	1852	1907	1937	2003		2103		2203	2258	2358	0103
1829	1843	1856	1911	1941	2007		2107		2207	2301	0001	0106
1834	1847	1900	1915	1945	2011		2111		2211	2304	0004	0109
1839	1851	1904	1919	1948	2014		2114		2214	2307	0007	0112



Sunday evening and late night Monday to Saturday journeys
are financially supported by Eastleigh Borough Council



from 26 July 2020

Saturdays

SOUTHAMPTON | PORTSWOOD | EASTLEIGH | FAIR OAK

Southampton Hanover Buildings
 Portswood Broadway
 Swaythling McDonald's
 North Stoneham Robin Square
 Nightingale Bridge
 Eastleigh Bus Station
 Bishopstoke Riverside
 Stoke Park Road Drake Road
 Fair Oak Road Welcome Inn
 Sandy Lane Victena Road
 Fair Oak Square

0700	0750	0820	0850	0910	25	40	55	10	1640	1700	1720	1740	1800	1820	1850
0710	0801	0832	0905	0925	40	55	10	25	1655	1715	1735	1755	1815	1835	1902
0715	0807	0838	0912	0932	47	02	17	32	1702	1722	1742	1802	1822	1842	1908
0721	0746	0813	0845	0905	55	10	25	40	1710	1730	1750	1810	1830	1850	1915
0723	0748	0815	0847	0908	58	13	28	43	1713	1733	1753	1813	1833	1853	1917
0633	0731	0756	0824	0857	11	26	41	56	1726	1746	1806	1826	1846	1906	1926
0636	0735	0800	0828	0902	17	32	47	02	1732	1752	1812	1832	1852	1912	1930
0639	0738	0803	0831	0905	20	35	50	05	1735	1755	1815	1835	1855	1915	1933
0643	0743	0808	0836	0910	25	40	55	10	1740	1800	1820	1840	1900	1920	1937
0647	0747	0812	0840	0914	29	44	59	14	1744	1804	1824	1844	1904	1924	1941
0650	0750	0819	0849	0919	34	49	04	19	1749	1809	1829	1848	1910	1928	1944

then every 15 mins at

until

continues below

Southampton Hanover Buildings
 Portswood Broadway
 Swaythling McDonald's
 North Stoneham Robin Square
 Nightingale Bridge
 Eastleigh Bus Station
 Bishopstoke Riverside
 Stoke Park Road Drake Road
 Fair Oak Road Welcome Inn
 Sandy Lane Victena Road
 Fair Oak Square

1920	1950	2020	2050	2120	2220	2320	0030
1932	2002	2032	2102	2132	2231	2331	0040
1938	2008	2038	2108	2138	2236	2336	0044
1945	2015	2045	2115	2145	2242	2342	0049
1947	2017	2047	2117	2147	2244	2344	0051
1956	2024	2056	2124	2156	2252	2352	0057
2000	2100	2200	2255	2355	0100		
2003	2103	2203	2258	2358	0103		
2007	2107	2207	2301	0001	0106		
2011	2111	2211	2304	0004	0109		
2015	2115	2215	2307	0007	0112		

Sundays and Public Holidays

SOUTHAMPTON | PORTSWOOD | EASTLEIGH | FAIR OAK

Southampton Hanover Buildings
 Portswood Broadway
 Swaythling McDonald's
 North Stoneham Robin Square
 Nightingale Bridge
 Eastleigh Bus Station
 Bishopstoke Riverside
 Stoke Park Road Drake Road
 Fair Oak Road Welcome Inn
 Sandy Lane Victena Road
 Fair Oak Square

0820	0915	0945	1020	1050	20	50	1720	1750	1835	1935	2035	2135	2235	2345
0830	0927	0957	1032	1105	35	05	1735	1804	1847	1947	2047	2147	2245	2355
0835	0933	1003	1038	1111	41	11	1741	1810	1853	1953	2053	2153	2250	2359
0841	0939	1009	1044	1119	49	19	1749	1818	1900	2000	2100	2200	2256	0004
0843	0941	1011	1046	1121	51	21	1751	1820	1902	2002	2102	2202	2258	0006
0851	0951	1021	1056	1132	02	32	1802	1830	1911	2011	2111	2210	2306	0011
0855	0955	1025	1100	1137	07	37	1807	1833	1915	2015	2115	2213	2309	
0858	0958	1028	1103	1140	10	40	1810	1836	1918	2018	2118	2216	2312	
0903	1003	1033	1108	1145	15	45	1815	1840	1922	2022	2122	2220	2316	
0907	1007	1037	1112	1149	19	49	1819	1843	1926	2026	2126	2224	2319	
0910	1010	1044	1119	1154	24	54	1823	1846	1930	2030	2130	2228	2322	

then every 30 mins at

until



Sunday evening and late night Monday to Saturday journeys are financially supported by Eastleigh Borough Council

Mondays to Fridays
except Public Holidays

FAIR OAK | EASTLEIGH | PORTSWOOD | SOUTHAMPTON

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

0602	0622	0642	0705	0722	0742	0808	0835	0855	0910	0925	0940
0606	0626	0646	0710	0727	0749	0817	0842	0902	0917	0932	0947
0611	0631	0651	0716	0733	0755	0823	0848	0907	0922	0937	0952
0615	0635	0655	0721	0739	0801	0829	0854	0912	0927	0942	0957
0618	0638	0658	0726	0745	0807	0834	0859	0917	0932	0947	1002
0534	0604	0624	0644	0707	0735	0759	0819	0834	0852	0910	0926
0541	0611	0631	0651	0716	0744	0809	0829	0844	0902	0919	0935
0543	0613	0633	0653	0719	0747	0812	0832	0847	0905	0922	0937
0551	0621	0641	0702	0730	0800	0825	0845	0900	0916	0933	0948
0556	0626	0646	0707	0737	0807	0833	0853	0908	0923	0940	0955
0607	0637	0657	0720	0750	0820	0850	0910	0925	0940	0955	1010
1025	1040	1055									

this journey starts
from Boorley Park
at 0707

continues below

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

1000	15	30	45	00	1415	1430	1445	1500	1515	1530	1600	1615	1635	1655
1007	22	37	52	07	1422	1437	1452	1510	1525	1540	1610	1625	1645	1705
1012	27	42	57	12	1427	1442	1457	1515	1530	1545	1615	1630	1650	1710
1017	32	47	02	17	1432	1447	1502	1520	1535	1550	1620	1635	1655	1715
1021	36	51	06	21	1436	1451	1506	1524	1539	1554	1624	1639	1659	1719
1031	46	01	16	31	1446	1501	1516	1534	1549	1605	1635	1650	1710	1730
1040	55	10	25	40	1455	1510	1525	1544	1559	1614	1644	1659	1720	1740
1042	57	12	27	42	1457	1512	1527	1547	1602	1616	1646	1701	1723	1743
1053	08	23	38	53	1508	1523	1538	1558	1613	1628	1658	1713	1737	1757
1100	15	30	45	00	1515	1530	1545	1605	1620	1635	1705	1720	1745	1805
1115	30	45	00	15	1530	1545	1600	1620	1635	1650	1720	1735	1800	1820

then every 15 mins at

until

continues below

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

1715	1735	1755	1835	1916	2011	2111	2211	2304
1725	1745	1805	1840	1922	2017	2117	2217	2309
1730	1750	1810	1844	1926	2021	2121	2221	2312
1735	1755	1815	1848	1930	2025	2125	2225	2315
1739	1759	1819	1852	1934	2029	2129	2229	2318
1750	1810	1830	1900	1940	2035	2135	2235	2321
1800	1819	1839	1909	1947	2042	2142	2242	
1803	1822	1841	1911	1949	2044	2144	2244	
1817	1833	1849	1919	1957	2052	2152	2252	
1825	1840	1855	1925	2002	2057	2157	2257	
1840	1855	1910	1940	2015	2110	2210	2310	

Saturdays

FAIR OAK | EASTLEIGH | PORTSWOOD | SOUTHAMPTON

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

0647	0717	0747	0815	0845	then every 15 mins at	00 15 30 45	until	1645	1715	1745	1805	1825	continues below
0650	0720	0750	0820	0852		07 22 37 52		1652	1722	1756	1816	1840	
0655	0725	0755	0825	0857		12 27 42 57		1657	1727	1801	1821	1844	
0659	0729	0759	0830	0902		17 32 47 02		1702	1732	1806	1826	1848	
0702	0732	0802	0834	0906		21 36 51 06		1706	1736	1810	1830	1850	
0625	0710	0740	0810	0830		31 46 01 16		1716	1746	1817	1837	1902	
0632	0717	0747	0817	0837		40 55 10 25		1725	1755	1824	1844	1909	
0634	0719	0749	0819	0839		42 57 12 27		1727	1757	1826	1846	1911	
0641	0726	0756	0826	0846	0904	53 08 23 38	until	1738	1808	1834	1854	1919	continues below
0646	0732	0802	0832	0852	0911	00 15 30 45		1745	1815	1840	1900	1925	
0657	0745	0815	0845	0905	0925	15 30 45 00		1800	1830	1855	1915	1940	

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

1906	2011	2111	2211	2304
1917	2017	2117	2217	2309
1921	2021	2121	2221	2312
1925	2025	2125	2225	2315
1929	2029	2129	2229	2318
1935	2035	2135	2235	2321
1942	2042	2142	2242	
1944	2044	2144	2244	
1952	2052	2152	2252	
1957	2057	2157	2257	
2010	2110	2210	2310	

Sundays and Public Holidays

FAIR OAK | EASTLEIGH | PORTSWOOD | SOUTHAMPTON

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

0807	0907	0937	1007	1040	1115	1150	then every 30 mins at	20 50	until	1620	1720	1820	continues below
0812	0912	0942	1012	1046	1121	1156		26 56		1626	1723	1823	
0817	0917	0947	1017	1051	1126	1201		31 01		1631	1726	1826	
0821	0921	0951	1021	1056	1131	1206		36 06		1636	1730	1830	
0824	0924	0954	1024	1100	1135	1210		40 10		1640	1734	1834	
0650	0745	0831	0901	0931	1001	1031		48 18		1648	1740	1840	
0657	0752	0840	0910	0940	1010	1040		57 27		1657	1747	1847	
0659	0754	0842	0912	0942	1012	1042		59 29		1659	1749	1849	
0706	0801	0850	0920	0950	1020	1050	then every 30 mins at	08 38	until	1708	1756	1856	continues below
0712	0807	0857	0927	0957	1027	1057		15 45		1715	1801	1901	
0722	0818	0912	0942	1012	1042	1112		30 00		1730	1812	1912	

Sandy Lane Victena Road
Fair Oak Square
Fair Oak Road Welcome Inn
Stoke Park Road Drake Road
Bishopstoke Riverside
Eastleigh Bus Station
Nightingale Bridge
North Stoneham Robin Square
Swaythling McDonald's
Portswood Broadway
Southampton Hanover Buildings

1927	2027	2127	2225	2319
1932	2032	2132	2230	2322
1935	2035	2135	2233	2325
1939	2039	2139	2237	2328
1943	2043	2143	2241	2331
1949	2049	2149	2246	2334
1956	2056	2156	2253	
1958	2058	2158	2255	
2005	2105	2205	2302	
2010	2110	2210	2306	
2020	2120	2220	2315	

Appendix 2

TRICS Data

Calculation Reference: AUDIT-405201-200821-0829

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

01	GREATER LONDON	
	KI KINGSTON	2 days
02	SOUTH EAST	
	KC KENT	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	MS MERSEYSIDE	1 days
09	NORTH	
	TW TYNE & WEAR	1 days
11	SCOTLAND	
	AG ANGUS	1 days
15	GREATER DUBLIN	
	DL DUBLIN	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: 6 to 22 (units:)
Range Selected by User: 6 to 22 (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: 01/01/10 to 22/09/17

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
Thursday	2 days
Friday	4 days

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

Selected survey types:

Manual count	11 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)	9
Neighbourhood Centre (PPS6 Local Centre)	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:

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 11 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 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	1 days
10,001 to 15,000	3 days
15,001 to 20,000	1 days
20,001 to 25,000	1 days
25,001 to 50,000	4 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	1 days
75,001 to 100,000	2 days
125,001 to 250,000	3 days
250,001 to 500,000	2 days
500,001 or More	3 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	4 days
1.6 to 2.0	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:

No 11 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
3 Moderate	1 days
4 Good	1 days

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

LIST OF SITES relevant to selection parameters

The 'browse and select' feature in TRICS was used to choose the sites to be included in this selected set. The TRICS user browsed the full list of sites for this land use category and selected directly from this list.

1	AG-03-A-01 KEPTIE ROAD ARBROATH	BUNGALOWS / DET.		ANGUS
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	7		
	Survey date: TUESDAY	22/05/12	Survey Type: MANUAL	
2	DL-03-A-09 RATHFARNHAM ROAD DUBLIN RATHFARNHAM	TERRACED		DUBLIN
	Neighbourhood Centre (PPS6 Local Centre) No Sub Category Total No of Dwellings:	8		
	Survey date: FRIDAY	07/09/12	Survey Type: MANUAL	
3	KC-03-A-05 ROCHESTER ROAD NEAR CHATHAM BURHAM	DETACHED & SEMI-DETACHED		KENT
	Neighbourhood Centre (PPS6 Local Centre) Village Total No of Dwellings:	8		
	Survey date: FRIDAY	22/09/17	Survey Type: MANUAL	
4	KI-03-A-01 COOMBE RISE KINGSTON UPON THAMES	DETACHED		KINGSTON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	12		
	Survey date: THURSDAY	24/06/10	Survey Type: MANUAL	
5	KI-03-A-02 WOLSEY CLOSE KINGSTON UPON THAMES	DETACHED		KINGSTON
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	20		
	Survey date: THURSDAY	24/06/10	Survey Type: MANUAL	
6	LN-03-A-03 ROOKERY LANE LINCOLN BOULTHAM	SEMI DETACHED		LINCOLNSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	22		
	Survey date: TUESDAY	18/09/12	Survey Type: MANUAL	
7	MS-03-A-03 BEMPTON ROAD LIVERPOOL OTTERSPOOL	DETACHED		MERSEYSIDE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	15		
	Survey date: FRIDAY	21/06/13	Survey Type: MANUAL	
8	NY-03-A-08 NICHOLAS STREET YORK	TERRACED HOUSES		NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total No of Dwellings:	21		
	Survey date: MONDAY	16/09/13	Survey Type: MANUAL	

LIST OF SITES relevant to selection parameters (Cont.)

9	SF-03-A-04	DETACHED & BUNGALOWS	SUFFOLK
	NORMANSTON DRIVE		
	LOWESTOFT		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	7	
	Survey date: TUESDAY	23/10/12	Survey Type: MANUAL
10	TW-03-A-02	SEMI-DETACHED	TYNE & WEAR
	WEST PARK ROAD		
	GATESHEAD		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	16	
	Survey date: MONDAY	07/10/13	Survey Type: MANUAL
11	WK-03-A-01	TERRACED / SEMI / DET.	WARWICKSHIRE
	ARLINGTON AVENUE		
	LEAMINGTON SPA		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total No of Dwellings:	6	
	Survey date: FRIDAY	21/10/11	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
 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	11	13	0.077	11	13	0.317	11	13	0.394
08:00 - 09:00	11	13	0.155	11	13	0.345	11	13	0.500
09:00 - 10:00	11	13	0.134	11	13	0.197	11	13	0.331
10:00 - 11:00	11	13	0.141	11	13	0.099	11	13	0.240
11:00 - 12:00	11	13	0.155	11	13	0.204	11	13	0.359
12:00 - 13:00	11	13	0.268	11	13	0.211	11	13	0.479
13:00 - 14:00	11	13	0.211	11	13	0.183	11	13	0.394
14:00 - 15:00	11	13	0.113	11	13	0.183	11	13	0.296
15:00 - 16:00	11	13	0.239	11	13	0.211	11	13	0.450
16:00 - 17:00	11	13	0.218	11	13	0.211	11	13	0.429
17:00 - 18:00	11	13	0.289	11	13	0.113	11	13	0.402
18:00 - 19:00	11	13	0.261	11	13	0.190	11	13	0.451
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.261			2.464			4.725

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

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

The survey data, graphs and all associated supporting information, contained within the TRICS Database are published by TRICS Consortium Limited ("the Company") and the Company claims copyright and database rights in this published work. The Company authorises those who possess a current TRICS licence to access the TRICS Database and copy the data contained within the TRICS Database for the licence holders' use only. Any resulting copy must retain all copyrights and other proprietary notices, and any disclaimer contained thereon.

The Company accepts no responsibility for loss which may arise from reliance on data contained in the TRICS Database. [No warranty of any kind, express or implied, is made as to the data contained in the TRICS Database.]

Parameter summary

Trip rate parameter range selected:	6 - 22 (units:)
Survey date range:	01/01/10 - 22/09/17
Number of weekdays (Monday-Friday):	11
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.