

Hayling Island Builders Ltd



TRANSPORTATION STATEMENT

**Residential & Commercial Development at
Station Road / Furniss Way, Hayling Island, PO11 0EL**

For Hayling Island Builders Ltd

JUNE 2013

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Approvals

This document requires the following approvals:

Name	Title & Organisation
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Distribution

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1.0 INTRODUCTION

- 1.1** The Stilwell Partnership has been instructed by Hayling Island Builders Ltd. to undertake a Transportation Statement to support an application for outline planning permission to create new employment space and up to 60 new homes at land north of Station Road and east of Furniss Way, Hayling Island.
- 1.2** The purpose of this study is to advise the Local Authority, Havant Borough Council, of the Transportation Impact that the proposed development could have on the local highway network.
- 1.3** In **Section 2** we detail the Local and National Planning Policies; in **Section 3** we detail the site location in relation to the highway network and describe the existing development. **Section 4** outlines the development proposals and **Section 5** the likely highway impact. **Section 6** details the sustainability of the site and **Section 7** concludes the report.

2.0 PLANNING POLICY CONTEXT

2.1 This section of the report provides a summary of the policy documents which are relevant to the proposed development. These include: NPPF and Havant Borough Council Core Strategy.

NPPF (Promoting Sustainable Transport (March 2012))

2.2 Transport policies have an important role to play in facilitating sustainable development but also in contributing to wider sustainability and health objectives. Smarter use of technologies can reduce the need to travel. The transport system needs to be balanced in favour of sustainable transport modes, giving people a real choice about how they travel. However, the Government recognises that different policies and measures will be required in different communities and opportunities to maximise sustainable transport solutions will vary from urban to rural areas.

2.3 Encouragement should be given to solutions which support reductions in greenhouse gas emissions and reduce congestion. In preparing Local Plans, local planning authorities should therefore support a pattern of development which, where reasonable to do so, facilitates the use of sustainable modes of transport.

2.4 Local authorities should work with neighbouring authorities and transport providers to develop strategies for the provision of viable infrastructure necessary to support sustainable development, including large scale facilities such as rail freight interchanges, roadside facilities for motorists or transport investment necessary to support strategies for the growth of ports, airports or other major generators of travel demand in their areas. The primary function of roadside facilities for motorists should be to support the safety and welfare of the road user.

2.5 All developments that generate significant amounts of movement should be supported by a Transport Statement or Transport Assessment. Plans and decisions should take account of whether;

- The opportunity for sustainable transport modes have been taken up depending on the nature and location of the site, to reduce the need for major transport infrastructure
- Safe and suitable access to the site can be achieved for all people and
- Improvements can be undertaken within the transport network that cost effectively limit the significant impacts of the development. Development should only be prevented or refused on transport grounds where the residual cumulative impacts of development are severe.

- 2.6** Plans and decisions should ensure developments that generate significant movement are located where the need to travel will be minimised and the use of sustainable transport modes can be maximised. However this needs to take account of policies set out elsewhere in this Framework, particularly in rural areas.
- 2.7** Plans should protect and exploit opportunities for the use of sustainable transport modes for the movement of goods or people. Therefore, developments should be located and designed where practical to;
- Accommodate the efficient delivery of goods and supplies
 - Give priority to pedestrian and cycle movements, and have access to high quality public transport facilities
 - Create safe and secure layouts which minimise conflicts between traffic and cyclists or pedestrians, avoiding street clutter and where appropriate establishing home zones
 - Incorporate facilities for charging plug-in and other ultra-low emission vehicles and
 - Consider the needs of people with disabilities by all modes of transport.
- 2.8** A key tool to facilitate this will be a Travel Plan. All developments which generate significant amounts of movement should be required to provide a Travel Plan.
- 2.9** Planning policies should aim for a balance of land uses within their area so that people can be encouraged to minimise journey lengths for employment, shopping, leisure, education and other activities.
- 2.10** For larger scale residential developments in particular, planning policies should promote a mix of uses in order to provide opportunities to undertake day-to-day activities including work on site. Where practical, particularly within large-scale developments, key facilities such as primary schools and local shops should be located within walking distance of most properties.
- 2.11** If setting local parking standards for residential and non-residential development, local planning authorities should take into account;
- The accessibility of the development
 - The type, mix and use of the development
 - The availability of and opportunities for public transport
 - Local car ownership levels and
 - An overall need to reduce the use of high-emission vehicles.

2.12 Local authorities should seek to improve the quality of parking in town centres so that it is convenient, safe and secure, including appropriate provision for motorcycles. They should set appropriate parking charges that do not undermine the vitality of town centres. Parking enforcement should be proportionate.

2.13 Local planning authorities should identify and protect, where there is robust evidence, sites and routes which could be critical in developing infrastructure to widen transport choice.

HAVANT BOROUGH COUNCIL CORE STRATEGY

2.14 **Policy CS9** Housing - Planning permission will be granted for housing proposals that will; -

1. Contribute to achieving a net total of 6,300 new dwellings between 2006 and 2026.
2. Deliver on average 30-40% affordable housing on sites of 15 dwellings (gross) or more and secure a suitable contribution, or on-site provision, equivalent to on average 30-40% on smaller housing developments between 5 and 14 dwellings (gross), unless a lesser requirement has been transparently justified on viability grounds.
3. Ensure mixed communities are created through the planned distribution and avoidance of a concentration of affordable housing.
4. Achieve a suitable density of development for the location, taking into account accessibility to public transport and proximity to employment, shops and services in addition to respecting the surrounding landscape, character and built form.
5. Provide a mix of dwelling types, sizes and tenures which help meet identified local housing need and contribute to the development of mixed and sustainable communities.
6. Provide accommodation for the ageing population in sustainable locations, taking account of the need to provide for a variety of care needs and flexibility to accommodate differing requirements of ageing care.
7. Contribute to achieving 450 extra-care dwellings between 2006 and 2026.
8. Ensure housing development is delivered in a phased manner with an appropriate proportion of previously developed land so as to avoid unnecessary development on greenfield urban extension sites.

Policy CS17 Concentration and Distribution of Development within the Urban Areas - Development will be permitted that makes the most effective use of land in the borough by granting planning permission that;

1. Concentrates new housing, employment, retail, leisure and other development within the five urban areas of Havant, Leigh Park, Waterloooville, Emsworth and Hayling Island, as shown on the Proposals Map.
2. Prioritises development on previously developed land, including redundant, derelict or underused land and buildings within the urban area.
3. Broadly distributes the new housing and employment development in the five areas of the borough as indicated on the Spatial Distribution Map (Key Diagram). Development in the non-urban areas will only be permitted if it is consistent with the policies for the countryside set out in national policy.

Policy CS20 Transport and Access Strategy - Development will be permitted that;

1. Is consistent with and contributes to the implementation of the 'Reduce, Manage and Invest' strategy.
2. Does not increase congestion and promotes better use of existing transport networks.
3. Improves accessibility to goods, services and employment and promotes equality in the transport system.
4. Provides transport management measures to ensure the safe and efficient operation of the strategic and local road network.
5. Ensures that highway design responds positively to the characteristics of the area and delivers a high quality public realm for all users.
6. Maintains or improves the range of transport modes accessible to the users of the development site with specific emphasis on public transport, especially high quality/frequency buses and includes walking and cycling where appropriate.
7. Improves highway, cycling and pedestrian links between the western built up area of the borough (Waterlooville) and the eastern area of the borough (centred on Havant) to create a strong east/west communication axis that passes through Dunsbury Hill Farm/Leigh Park.

Policy CS21 Developer Requirements - Development will be permitted if on-site and/or off-site infrastructure requirements are met. Where new or improved infrastructure is essential for planning permission to be granted the council will require the on-site or off site provision and/or contributions through planning obligations, agreements or tariffs in accordance with the relevant legislation for off-site provision. The need for contributions will depend on information and advice from infrastructure providers on the expected impacts of the development on all the infrastructure types. Where appropriate the council will seek on-site provision or financial contributions to ensure the timely off-site or on-site delivery of all types of infrastructure as detailed in Table 9.1 under the following headings:

- | | |
|--------------------------|-------------------------|
| 1. Transport | 6. Green Infrastructure |
| 2. Housing | 7. Public Services |
| 3. Education | 8. Utility Services |
| 4. Health | 9. Flood Defences |
| 5. Social Infrastructure | 10. Public Realm. |

Where on-site provision or financial contributions are made, arrangements for the ongoing maintenance of facilities will be required. Where the necessary contributions are not agreed by the developer, planning permission will be refused.

A Supplementary Planning Document will be prepared setting out the mechanisms that will be used for taking development contributions together with details of the types and priorities of infrastructure provision.

DM13 Car and Cycle Parking on Residential Development - Residential development will only be permitted where it provides car parking and cycle storage in accordance with the standards set out in the Residential Car Parking and Cycle Provision Supplementary Planning Document.

3.0 SITE LOCATION AND EXISTING DEVELOPMENT

Existing

- 3.1** Currently the site is an area of unused agricultural land, accessed via a gated entrance on Station Road, adjacent to the buildings merchant. The existing access is very overgrown and is not currently in use. The site itself covers approximately 2.4 hectares of land. The site location can be seen below in **Figure 1**.

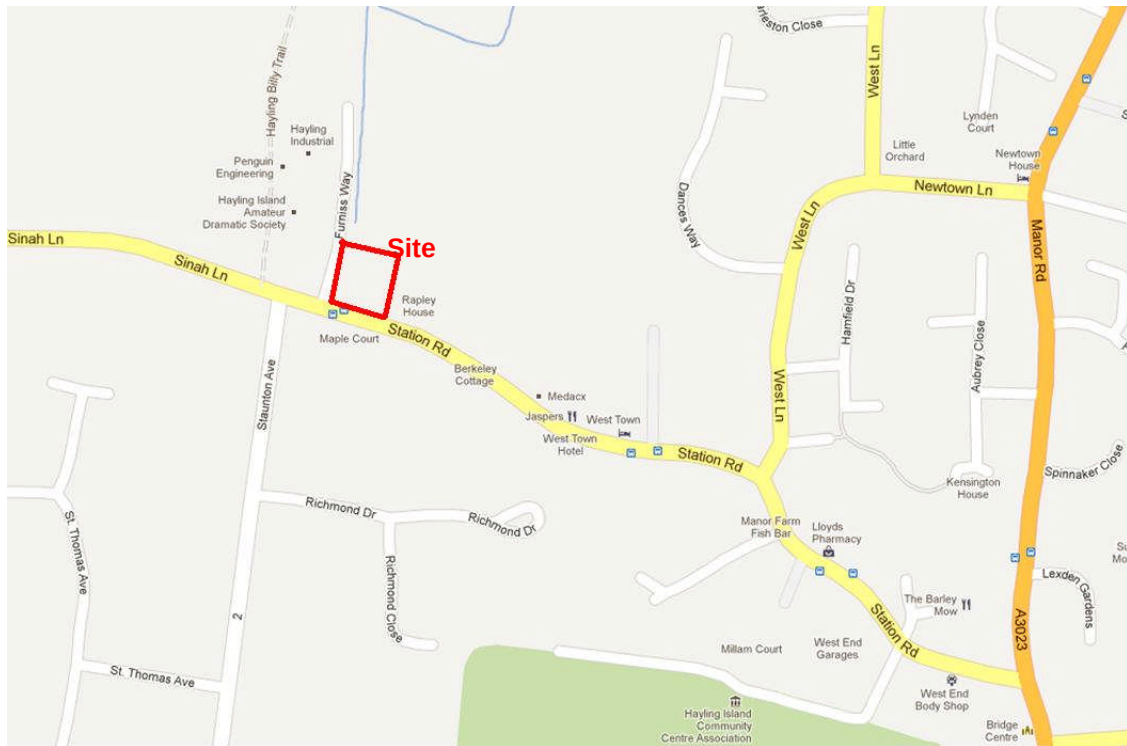


Figure 1 – Site Location

Site Location

- 3.2** The site is located on Station Road, Station Road links to the main 'A' road on the island (A3023), approximately 500m east of the proposed development site. The A3023 provides an excellent link to Havant and the main motorway network. The majority of the local roads in the area are quiet residential roads, having low volumes of traffic for the majority of the year, offering safe opportunities for walking and / or cycling.
- 3.3** A number of day to day services, shops and facilities, including a Tesco express, a pharmacy, a butchers and grocers, numerous takeaways, cafes and pub / restaurants are located along Station Road, within easy walking distance of the site.

Station Road

3.4 Station Road links the main A3023 to many local residential roads and has a mix of residential and commercial properties along its length. In the vicinity of the site, the road is subject to a 30mph speed limit. It has drop kerbs providing access to driveways and parking areas. There are double yellow lines along its length. Station Road is on the island's bus route with bus stops located close to the development site.

3.5 An Automatic Traffic Counter (ATC) was installed on 18th March 2013 (for 7 days) near No. 82 Station Road. The average daily flow was 3,806 vehicles (2 way flows). In the morning peak hour (08:00 – 09:00) there were 161 eastbound vehicle trips and 110 westbound vehicle trips. In the PM peak hour (17:00 – 18:00 hours) there were 115 eastbound vehicle trips and 160 westbound vehicle trips. Flows appear to be tidal. Results from the ATC are enclosed in **Appendix A**. A summary of the main flows are also included in **Appendix A**.

Furniss Way

3.6 Furniss Way is a local industrial access road (cul-de-sac), serving approximately 9 industrial units.

Accidents

3.7 Records of personal injury accidents for Station Road, which have occurred in the vicinity of the site over the latest 3 year period (2009 - 2011), were obtained from Crash Map. It is important to note that there were only 2 slight personal injury accidents along Station Road during this period.

4.0 PROPOSED DEVELOPMENT

- 4.1** The proposed mixed use development will provide 60 dwellings, of which some will be allocated for affordable housing, with the remainder being private housing and 7 small industrial self-contained units within two buildings on the site. A Proposed Site Layout is included at **Appendix B**.
- 4.2** The housing development will be accessed via a new access road from Station Road, which will provide vehicular access to every property, and will be designed to allow service vehicles and emergency service vehicles to enter and leave the site in forward gear. Two small industrial buildings for B1 (c) use will also be constructed on site and will be accessed via a new vehicular access from Furniss Way.

The indicative proposed schedule is outlined below:

Residential

8 x 2 bedroom bungalows

27 x 2 bedroom houses

25 x 3 bedroom houses

60 Dwellings in total (of which 30% will be affordable housing).

Light Industrial

Unit 1: 4 x 1500sq. ft unit

Unit 2: 1 x 2500sq. ft unit and 2 x 2000sq. ft units

Total B1 (c) – 12,500sq ft.

Proposed Access

- 4.3** The new access onto Station Road will be formed with good sightlines in both directions. A minimum of 2.4m by 43m can be achieved in both directions. Station Road is subject to a 30mph speed limit and the 85th %tile speeds are just slightly higher at 31.8mph (eastbound) and 32.2mph westbound. A new footway will be provided to link the access in Furniss Way and the nearest bus stop. This can be achieved by narrowing the carriageway to 6.75m from 8m. A copy of the Proposed Access can be seen in **Appendix C**.

Car Parking

- 4.4** 120 residential car parking spaces (2 spaces per dwelling) will be provided at the site, in line with Havant Borough Council parking standards, with the provision of 2 visitor spaces. The light industrial units will be provided with 28 parking spaces in line with Havant Borough Core Strategy for non-residential parking spaces.

Cycle Parking

- 4.5** Cycle parking or suitable storage will be provided in line with Havant Borough Council requirements, of 2 spaces per unit. Storage will be provided within the gardens of the proposed dwellings. Cycle storage will be provided for the industrial units in the form of secure cycle stand and a total of 5 spaces will be provided in line with Havant Borough Council Core Strategy.

Servicing

- 4.6** Refuse and recycling stores will be located within easy servicing distance for refuse vehicles and all service vehicles would be able to enter and exit the site in a forward gear.

Internal Layout

- 4.7** The internal layout has been designed in accordance with principles in Manual for Streets, but taking into consideration the specific requirements of the Planning Authority and Highway Authority, of still providing adequate parking and turning facilities. Turning facilities will be provided throughout the site and the main points where large refuse vehicles can turn are shown in **Appendix D**.

5.0 HIGHWAY IMPACT

5.1 When undertaking a Traffic Impact Assessment (TIA) for a new site, it is normal practice to consider the likely impact of the proposed development in the peak hours, i.e. when the combination of the existing traffic and the proposed is at its highest.

5.2 The TRICS database is a nationally recognised database. We have selected trip rates for privately owned flats and these are as follows:

Table 1 – Predicted Trips based on TRICS Data (For Residential Housing)

	AM Peak		PM Peak	
	ARR	DEP	ARR	DEP
Trip Rate	0.146	0.386	0.376	0.237
60 Residential Units	9	24	23	15

5.3 As can be seen from **Table 1** above, the residential development will only generate 33 trips in the AM peak hour and 38 trips in the PM peak hour.. These trips can easily be accommodated on the local highway.

5.4 The TRICS database also has a daily trip rate of 2.62 arrivals and 2.73 departures. For this development, this would equate to 158 arrival trips per day and 165 departure trips per day. The TRICS data can be seen in **Appendix E**.

Table 2 – Predicted Trips based on TRICS Data (for Small Industrial Units)

	AM Peak		PM Peak	
	ARR	DEP	ARR	DEP
Trip Rate (per 100 m²)	0.84	0.36	0.24	0.81
1,242 m²	11	5	3	11

5.5 As can be seen from **Table 2** above, the industrial development will only generate 16 trips in the AM peak hour and 14 trips in the PM peak hour. These trips can easily be accommodated on the local highway.

5.6 The TRICS database also has a daily trip rate of 12.04 arrivals and 11.76 departures. For this development, this would equate to 157 arrival trips per day and 153 departure trips per day. The TRICS data can be seen in **Appendix E**.

5.7 Flows on Station Road are fairly low throughout the year but flows increase during the school holiday period due to local holiday destinations. On an average weekday there are 3,806 two-way trips on Station Road. In the AM peak hour, the majority (59%) travel eastward and the PM peak hour 58% westward.

6.0 SUSTAINABLE TRANSPORT ISSUES

Pedestrians

- 6.1** Pedestrians will be able to access the development from Station Road and footways will be provided along with the new access road into the development site.
- 6.2** The nearest bus stops are located on Station Road, junction with Furniss Way, adjacent to the site. As part of the proposals, a new footway will be provided from the development access on Station Road and lead up to the bus stop located on the corner of Station Road / Furniss Way junction.
- 6.3** There are well lit footways on both sides of Station Road, except for a small section adjacent to the site and building yard which currently has no existing footway. As part of the development proposals, pedestrian crossings points with tactile paving are proposed which will provide connections to the existing footways.
- 6.4** For pedestrians without mobility impairment, the Institution of Highways and Transportation (IHT) in their publication, 'Guidelines for Providing for Journeys on Foot 2000' make a series of suggested acceptable walking distances in relation to some common facilities. **Table 3** below sets out suggested acceptable walking distances in relation to some common facilities.

Table 3 – Suggested Acceptable Walking Distances

	Town Centres, Retail	Employment, School, Tourism	Elsewhere
Desirable	200m	500m	400m
Acceptable	400m	1,000m	800m
Preferred Maximum	800m	2,000m	1,200m

- 6.5** There are shopping areas located along Station Road, offering 'high street' shops, banks, post offices and supermarkets. These include Tesco express, a pharmacy, a butcher and grocers, numerous takeaways, cafes, pubs and restaurants.
- 6.6** Hayling Park playing fields, and Hayling Island Community Centre, are located to the south of Station Road, offering a large number of sporting and leisure activities, including football, tennis, cricket, basketball and green bowls. The Station Theatre group is located on Station Road adjacent to its junction with Furniss Way.
- 6.7** The Hayling Island 'Billy Trail' provides a predominantly car-free cycle and pedestrian route between the site and Havant (approximately 5 miles north). The route is well maintained, consisting of compacted gravel and it follows a flat route for easy walking and cycling.

Cyclists

- 6.8** Former Planning Policy Guidance 13 (PPG13) defines a distance of 5,000m, within which 'cycling can reasonably be considered as an alternative to travelling by private car'. On the basis of a relatively slow cycling speed of 15kph, this distance could be achieved in 20 minutes.
- 6.9** Mill Rythe Schools and Hayling College provide local education places for future residents. These schools can be cycled to in around 8 – 10 minutes or walked to in just 20 – 25 minutes.

On Site provision

- 6.10** For the residential development 120 secure cycle spaces will be provided for the development in line with Havant Borough Council requirements (2 spaces per dwelling). Cycle storage will be provided for the industrial units in the form of secure cycle stands and a total of 5 spaces will be provided.

Buses

- 6.11** The development site is served by two bus services (30 and 31) which stop adjacent to the proposed site. These services connect to and from Havant Bus / Railway Station and therefore provide excellent commuter links to Portsmouth, Southampton, Chichester and the surrounding employment areas / schools. The IHT document 'Guidelines for Public Transport in Developments' dated March 1999, states that the maximum walking distance to a bus stop should not exceed 400m and preferably be no more than 300m. Clearly, the bus stops closest to the development site comply fully with these criteria.
- 6.12** Below is a brief summary of the bus services as mentioned above and timetables are included in **Appendix F**.

Service 30 – Havant – West Hayling – Eastoke - Havant

- 6.13** With buses running from 06:40 to 20:45 every day, there are services every 30 minutes throughout the day. Destinations include: Havant Bus Station, Langstone High Street, Mill Rythe School, Beachlands Bus Stand, Sea Front Post Office and Hayling School.

Service 31 - Havant – West Hayling – Eastoke - Havant

- 6.14** With buses running from 05:57 to 18:15 every day, there are services every 30 minutes throughout the day. Destinations include Solent Road Havant (Tesco), Sandy Point Nature Reserve, Sea Front Estate, West Town Barley Mow, Highworth Caravan Park and The Oven Campsite Hayling.

Trains

- 6.15** Havant mainline railway station can be easily reached via the bus services that run close to the site, and provides services between Brighton, Horsham, Portsmouth, Southampton and London Waterloo.

Hayling Ferry

- 6.16** Hayling Ferry is located 1.5 miles west of the proposed site, provides frequent crossing to / from Eastney (Portsmouth). The ferry runs 7 days a week and provides an excellent service for school children and commuters. It also provides leisure and shopping opportunities. The roads towards the ferry terminal are very lightly trafficked and are popular with cyclists.

Summary

- 6.17** Taking into consideration the objectives of NPPF 2012, together with the good public transport network, we consider that the surrounding infrastructure for this development is very good in providing excellent links to local shops, facilities and attractions.

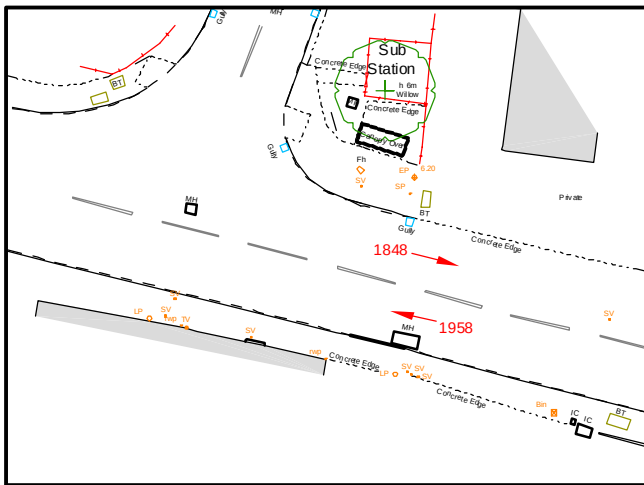
7.0 CONCLUSIONS

- 7.1** The Stilwell Partnership has been instructed by Hayling Island Builders Ltd. to undertake a Transportation Statement to support an application for outline planning permission to create new employment space and up to 60 new homes at land north of Station Road and east of Furniss Way, Hayling Island.
- 7.2** The proposed development satisfies the relevant policies set out in the NPPF (2012) and the Havant Borough Council Core Strategy through encouraging sustainable transport use, providing good access to local services, and minimising additional pressure on local highways.
- 7.3** We have shown that the site is in a very sustainable location with good links to public transport, shops, schools and employment opportunities.
- 7.4** A new access will be formed that can accommodate the likely traffic generated by the development, improvements for pedestrians will be provided.
- 7.5** Secure cycle parking will be provided in line with Havant Borough Council.
- 7.6** A minimum of 120 parking spaces will be provided at the site to accommodate residents and 2 spaces for visitors to the site. In addition, a further 28 parking spaces will be provided to serve the light industrial units, which will be for B1 (C) use.
- 7.7** In summary, we conclude that the proposed development can be accommodated without detriment to vehicular flows and road safety on the surrounding highway network.

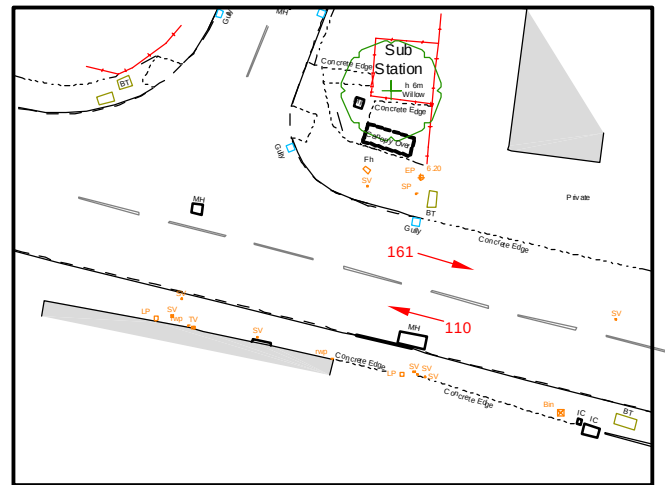
APPENDIX A

Automatic Traffic Counter Data

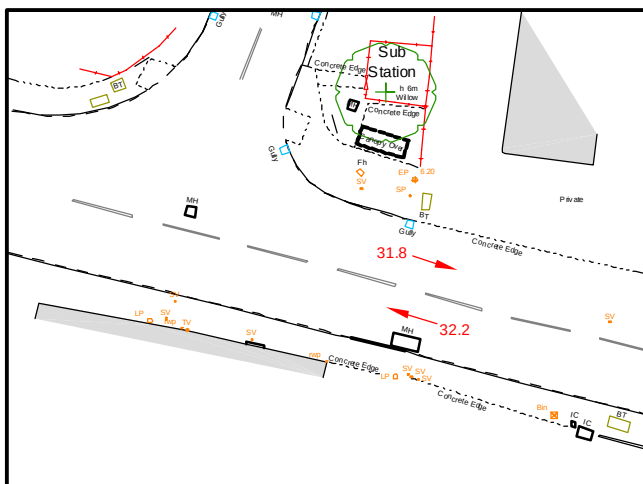
Average Daily Flow



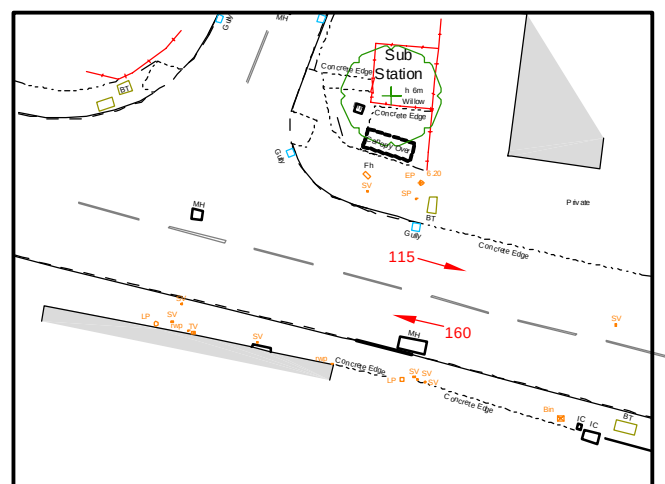
Average AM Peak Hour Flow



Average 85 % ile Speeds



Average PM Peak Hour Flow



Advanced Transport Research

Report Id - CustomList-291
Site Name - 4001-001
Description - STATION ROAD[30M]
Direction - East

18 March 2013

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT	
0000	3	0	2	0	1	0	0	0	0	0	0		0000	0	0	0	1	0	2	0	0	0	0	0	0	0	0	26.9	-		2	66.7	0	0	0	0
0100	4	0	4	0	0	0	0	0	0	0	0		0100	0	0	1	0	2	1	0	0	0	0	0	0	0	0	27.8	-		1	25	0	0	0	0
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1400	166	2	154	1	9	0	0	0	0	0	0		1400	1	1	5	50	80	23	6	0	0	0	0	0	0	26.7	30.2	29	17.5	6	3.6	0	0		
1500	136	0	123	0	12	0	1	0	0	0	0		1500	0	1	5	37	58	32	3	0	0	0	0	0	0	27.1	31.1	35	25.7	3	2.2	0	0		
1600	133	4	117	1	11	0	0	0	0	0	0		1600	1	2	4	31	52	36	6	1	0	0	0	0	0	27.6	32.2	43	32.3	7	5.3	0	0		
1700	131	1	123	0	7	0	0	0	0	0	0		1700	0	3	4	19	68	30	7	0	0	0	0	0	0	27.7	31.5	37	28.2	7	5.3	0	0		
1800	99	2	93	0	4	0	0	0	0	0	0		1800	0	0	0	12	51	33	3	0	0	0	0	0	0	28.9	32.2	36	36.4	3	3	0	0		
1900	54	1	51	0	2	0	0	0	0	0	0		1900	0	1	1	10	26	13	2	1	0	0	0	0	0	28.5	33.3	16	29.6	3	5.6	0	0		
2000	30	0	29	0	1	0	0	0	0	0	0		2000	0	0	0	5	16	6	2	0	1	0	0	0	0	29.1	33.8	9	30	3	10	1	3.3		
2100	28	2	25	0	0	1	0	0	0	0	0		2100	0	1	0	4	12	8	3	0	0	0	0	0	0	29.3	33.8	11	39.3	3	10.7	0	0		
2200	20	0	20	0	0	0	0	0	0	0	0		2200	0	0	1	4	12	3	0	0	0	0	0	0	0	26.9	29.8	3	15	0	0	0	0		
2300	11	1	10	0	0	0	0	0	0	0	0		2300	0	1	0	3	3	2	2	0	0	0	0	0	0	27.4	34.4	4	36.4	2	18.2	0	0		
07-19	1720	30	###	3	115	4	2	0	0	0	0		07-19	5	31	59	402	772	375	69	6	1	0	0	0	0	0	27.2	31.8	451	26.2	76	4.4	1	0.1	
06-22	1875	33	###	3	119	5	2	0	0	0	0		06-22	5	33	61	428	841	418	79	8	2	0	0	0	0	0	27.4	32	507	27	89	4.7	2	0.1	
06-00	1906	34	###	3	119	5	2	0	0	0	0		06-00	5	34	62	435	856	423	81	8	2	0	0	0	0	0	27.4	31.8	514	27	91	4.8	2	0.1	
00-00	1932	34	###	3	120	5	2	0	0	0	0		00-00	5	34	63	438	867	431	83	9	2	0	0	0	0	0	27.4	32	525	27.2	94	4.9	2	0.1	

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT		
0000	3	0	3	0	0	0	0	0	0	0	0		0000	0	0	0	2	0	0	1	0	0	0	0	0	0	0	27.9	-		1	33.3	1	33.3	0	0	
0100	2	0	2	0	0	0	0	0	0	0	0		0100	0	0	0	0	0	2	0	0	0	0	0	0	0	0	32.7	-		2	100	0	0	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0		0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	0	
0300	1	0	1	0	0	0	0	0	0	0	0		0300	0	0	0	0	1	0	0	0	0	0	0	0	0	0	27.3	-		0	0	0	0	0	0	0
0400	2	0	2	0	0	0	0	0	0	0	0		0400	0	0	0	2	0	0	0	0	0	0	0	0	0	0	24.7	-		0	0	0	0	0	0	0
0500	13	0	12	0	1	0	0	0	0	0	0		0500	0	0	0	3	2	5	3	0	0	0	0	0	0	0	30.7	36	8	61.5	3	23.1	0	0	0	0
0600	39	1	35	0	3	0	0	0	0	0	0		0600	0	0	1	6	16	12	3	1	0	0	0	0	0	0	29	33.8	16	41	4	10.3	0	0	0	0
0700	154	1	144	1	8	0	0	0	0	0	0		0700	0	4	5	21	66	47	9	2	0	0	0	0	0	0	28.3	32.4	58	37.7	11	7.1	0	0	0	0
0800	197	3	185	1	8	0	0	0	0	0	0		0800	0	0	6	25	78	72	14	2	0	0	0	0	0	0	29.4	33.6	88	44.7	16	8.1	0	0	0	0
0900	165	1	148	1	15	0	0	0	0	0	0		0900	2	1	5	41	94	21	1	0	0	0	0	0	0	0	26.1	29.8	22	13.3	1	0.6	0	0	0	0
1000	161	5	143	0	11	2	0	0	0	0	0		1000	0	5	10	44	79	22	1	0	0	0	0	0	0	0	25.6	29.8	23	14.3	1	0.6	0	0	0	0

1100	176	7	161	0	7	1	0	0	0	0	0	0	0	0	1100	2	1	14	52	77	26	3	1	0	0	0	0	0	0	0	25.9	30.2	30	17	4	2.3	0	0
1200	149	6	132	0	11	0	0	0	0	0	0	0	0	0	1200	2	3	9	45	66	21	2	1	0	0	0	0	0	0	0	25.7	30	24	16.1	3	2	0	0
1300	174	4	156	0	12	1	0	0	0	0	1	0	0	0	1300	3	2	15	63	73	17	1	0	0	0	0	0	0	0	0	25	29.3	18	10.3	1	0.6	0	0
1400	152	5	136	0	11	0	0	0	0	0	0	0	0	0	1400	4	1	9	38	77	21	1	1	0	0	0	0	0	0	0	26.1	29.8	23	15.1	2	1.3	0	0
1500	155	1	140	0	14	0	0	0	0	0	0	0	0	0	1500	1	1	10	42	68	30	3	0	0	0	0	0	0	0	0	26.4	30.9	33	21.3	3	1.9	0	0
1600	134	1	118	0	14	0	1	0	0	0	0	0	0	0	1600	2	0	7	39	46	32	8	0	0	0	0	0	0	0	0	27	32.2	40	29.9	8	6	0	0
1700	122	2	109	1	9	0	1	0	0	0	0	0	0	0	1700	0	4	2	19	59	34	4	0	0	0	0	0	0	0	0	27.9	32.2	38	31.1	4	3.3	0	0
1800	103	5	92	0	5	0	1	0	0	0	0	0	0	0	1800	0	1	5	28	45	21	3	0	0	0	0	0	0	0	0	26.8	30.9	24	23.3	3	2.9	0	0
1900	78	3	72	0	2	0	1	0	0	0	0	0	0	0	1900	0	3	1	10	41	17	4	1	1	0	0	0	0	0	0	28.2	31.8	23	29.5	6	7.7	1	1.3
2000	32	1	29	0	2	0	0	0	0	0	0	0	0	0	2000	0	1	1	4	17	6	2	0	1	0	0	0	0	0	0	28	32.7	9	28.1	3	9.4	1	3.1
2100	24	2	21	0	0	0	1	0	0	0	0	0	0	0	2100	1	1	0	4	6	10	1	1	0	0	0	0	0	0	0	28.4	33.1	12	50	2	8.3	0	0
2200	27	0	24	0	2	1	0	0	0	0	0	0	0	0	2200	0	0	2	8	8	7	2	0	0	0	0	0	0	0	0	27	31.5	9	33.3	2	7.4	0	0
2300	15	1	13	0	0	1	0	0	0	0	0	0	0	0	2300	0	0	2	8	3	2	0	0	0	0	0	0	0	0	0	24.4	29.1	2	13.3	0	0	0	0
07-19	1842	41	###	4	125	4	3	0	0	1	0			07-19	16	23	97	457	828	364	50	7	0	0	0	0	0	0	0	0	26.7	31.1	421	22.9	57	3.1	0	0
06-22	2015	48	###	4	132	4	5	0	0	1	0			06-22	17	28	100	481	908	409	60	10	2	0	0	0	0	0	0	0	26.8	31.3	481	23.9	72	3.6	2	0.1
06-00	2057	49	###	4	134	6	5	0	0	1	0			06-00	17	28	104	497	919	418	62	10	2	0	0	0	0	0	0	0	26.8	31.3	492	23.9	74	3.6	2	0.1
00-00	2078	49	###	4	135	6	5	0	0	1	0			00-00	17	28	104	504	922	425	66	10	2	0	0	0	0	0	0	0	26.8	31.3	503	24.2	78	3.8	2	0.1

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	]PSL 30	]PSL% 30	]SL1 35 ACPO	]SL1% 35 ACPO	]SL2 45 DFT	]SL2% 45 DFT	
0000	1	0	1	0	0	0	0	0	0	0	0		0000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	28.5	-	0	0	0	0	0	0	
0100	1	0	1	0	0	0	0	0	0	0	0		0100	0	0	0	0	0	1	0	0	0	0	0	0	0	0	31.6	-	1	100	0	0	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0		0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0		0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	
0400	4	0	4	0	0	0	0	0	0	0	0		0400	0	0	0	1	2	1	0	0	0	0	0	0	0	0	29	-	1	25	0	0	0	0	
0500	6	0	6	0	0	0	0	0	0	0	0		0500	0	0	0	0	2	4	0	0	0	0	0	0	0	0	31.4	-	4	66.7	0	0	0	0	
0600	42	1	39	0	2	0	0	0	0	0	0		0600	0	0	2	3	19	16	2	0	0	0	0	0	0	0	29.1	33.1	18	42.9	2	4.8	0	0	
0700	149	2	141	0	6	0	0	0	0	0	0		0700	0	2	4	28	69	38	8	0	0	0	0	0	0	0	28	32.2	46	30.9	8	5.4	0	0	
0800	195	2	183	0	8	2	0	0	0	0	0		0800	0	1	5	38	85	52	11	3	0	0	0	0	0	0	28.5	32.7	66	33.8	14	7.2	0	0	
0900	149	3	134	0	11	0	0	0	0	0	1		0900	0	2	7	50	58	31	1	0	0	0	0	0	0	0	26.3	31.3	32	21.5	1	0.7	0	0	
1000	169	5	154	2	7	1	0	0	0	0	0		1000	2	3	11	54	68	25	5	1	0	0	0	0	0	0	25.6	30.2	31	18.3	6	3.6	0	0	
1100	141	2	128	0	8	0	1	2	0	0	0		1100	0	5	10	57	47	19	2	0	0	0	0	0	0	0	25.7	30	22	15.6	3	2.1	1	0.7	
1200	142	0	127	1	9	3	1	1	0	0	0		1200	1	3	8	41	65	22	2	0	0	0	0	0	0	0	26	30.4	24	16.9	2	1.4	0	0	
1300	152	8	128	1	14	1	0	0	0	0	0		1300	8	2	12	49	61	18	1	1	0	0	0	0	0	0	24.6	29.5	20	13.2	2	1.3	0	0	
1400	143	6	122	0	15	0	0	0	0	0	0		1400	1	7	4	44	66	17	4	0	0	0	0	0	0	0	25.7	29.8	21	14.7	4	2.8	0	0	
1500	148	3	133	0	10	0	1	0	1	0	0		1500	2	1	10	51	55	25	4	0	0	0	0	0	0	0	25.7	30.6	29	19.6	4	2.7	0	0	
1600	147	3	125	2	15	0	1	1	0	0	0		1600	2	3	5	40	53	34	9	1	0	0	0	0	0	0	27.2	32.4	44	29.9	10	6.8	0	0	
1700	143	3	134	0	6	0	0	0	0	0	0		1700	0	3	3	38	65	28	6	0	0	0	0	0	0	0	27.2	32.2	34	23.8	6	4.2	0	0	
1800	96	1	90	0	5	0	0	0	0	0	0		1800	0	0	2	24	39	28	3	0	0	0	0	0	0	0	27.9	32	31	32.3	3	3.1	0	0	
1900	64	2	61	0	1	0	0	0	0	0	0		1900	0	2	1	8	32	17	4	0	0	0	0	0	0	0	28.2	32.7	21	32.8	4	6.3	0	0	
2000	40	1	37	0	2	0	0	0	0	0	0		2000	0	1	2	9	11	15	2	0	0	0	0	0	0	0	27.4	31.8	17	42.5	2	5	0	0	
2100	35	1	32	0	2	0	0	0	0	0	0		2100	0	1	0	4	14	11	4	1	0	0	0	0	0	0	29.3	33.8	16	45.7	5	14.3	0	0	
2200	56	0	55	0	1	0	0	0	0	0	0		2200	0	1	6	21	23	3	2	0	0	0	0	0	0	0	24.8	28.6	5	8.9	2	3.6	0	0	
2300	4	0	4	0	0	0	0	0	0	0	0		2300	0	0	0	0	1	3	0	0	0	0	0	0	0	0	29.9	-	3	75	0	0	0	0	
07-19	1774	38	###	6	114	7	4	4	1	0	1		07-19	16	32	81	514	731	337	56	6	0	0	0	0	0	0	0	26.5	31.3	400	22.5	63	3.6	1	0.1
06-22	1955	43	###	6	121	7	4	4	1	0	1		06-22	16	36	86	538	807	396	68	7	0	0	0	0	0	0	0	26.7	31.5	472	24.1	76	3.9	1	0.1
06-00	2015	43	###	6	122	7	4	4	1	0	1		06-00	16	37	92	559	831	402	70	7	0	0	0	0	0	0	0	26.7	31.5	480	23.8	78	3.9	1	0
00-00	2027	43	###	6	122	7	4	4	1	0	1		00-00	16	37	92	560	836	408	70	7	0	0	0	0	0	0	0	26.7	31.5	486	24	78	3.8	1	0

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	]PSL 30	]PSL% 30	]SL1 35 ACPO	]SL1% 35 ACPO	]SL2 45 DFT	]SL2% 45 DFT
0000	2	0	2	0	0	0	0	0	0	0	0		0000	0	0	0	1	1	0	0	0	0	0	0	0	0	0	26.2	-	0	0	0	0	0	0

06-00	1935	21	###	1	121	5	1	0	0	0	0	06-00	8	20	81	447	902	398	74	4	1	0	0	0	0	0	27.2	31.5	477	24.7	79	4.1	1	0.1
00-00	1944	21	###	1	122	5	1	0	0	0	0	00-00	8	20	81	448	906	402	74	4	1	0	0	0	0	0	27.2	31.5	481	24.7	79	4.1	1	0.1

23 March 2013

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	12	2	10	0	0	0	0	0	0	0	0	0	0000	1	0	0	0	7	2	1	1	0	0	0	0	0	0	28.7	31.8	4	33.3	2	16.7	0	0
0100	8	0	8	0	0	0	0	0	0	0	0	0	0100	0	0	1	1	3	2	1	0	0	0	0	0	0	28	-	3	37.5	1	12.5	0	0	
0200	2	0	2	0	0	0	0	0	0	0	0	0	0200	0	0	0	1	0	1	0	0	0	0	0	0	0	28.9	-	1	50	0	0	0	0	
0300	2	0	2	0	0	0	0	0	0	0	0	0	0300	0	0	0	1	1	0	0	0	0	0	0	0	0	26	-	0	0	0	0	0	0	
0400	0	0	0	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0
0500	2	0	2	0	0	0	0	0	0	0	0	0	0500	0	0	0	0	1	0	1	0	0	0	0	0	0	33.1	-	1	50	1	50	0	0	
0600	11	0	10	0	1	0	0	0	0	0	0	0	0600	0	0	0	3	4	3	1	0	0	0	0	0	0	29.1	34.2	4	36.4	1	9.1	0	0	
0700	39	0	36	0	3	0	0	0	0	0	0	0	0700	0	0	0	7	17	12	3	0	0	0	0	0	0	29	32.7	15	38.5	3	7.7	0	0	
0800	99	1	94	0	3	1	0	0	0	0	0	0	0800	2	1	1	17	47	23	7	1	0	0	0	0	0	28	32.9	31	31.3	8	8.1	0	0	
0900	140	4	128	0	7	0	0	1	0	0	0	0	0900	3	2	4	34	65	30	1	1	0	0	0	0	0	26.7	31.1	32	22.9	2	1.4	0	0	
1000	170	4	160	1	5	0	0	0	0	0	0	0	1000	3	2	6	44	87	21	6	1	0	0	0	0	0	26.5	30.4	28	16.5	7	4.1	0	0	
1100	161	1	155	2	3	0	0	0	0	0	0	0	1100	0	1	5	49	75	27	3	0	1	0	0	0	0	26.7	30.4	31	19.3	4	2.5	1	0.6	
1200	132	2	122	0	8	0	0	0	0	0	0	0	1200	1	2	6	23	56	36	7	1	0	0	0	0	0	27.5	31.5	44	33.3	8	6.1	0	0	
1300	138	4	131	0	2	0	1	0	0	0	0	0	1300	1	4	6	27	58	38	3	1	0	0	0	0	0	27	31.8	42	30.4	4	2.9	0	0	
1400	139	0	137	0	2	0	0	0	0	0	0	0	1400	0	1	8	36	65	22	6	1	0	0	0	0	0	26.8	30.6	29	20.9	7	5	0	0	
1500	123	1	118	0	3	0	1	0	0	0	0	0	1500	0	0	5	29	55	25	6	3	0	0	0	0	0	27.6	32.4	34	27.6	9	7.3	0	0	
1600	118	2	113	0	3	0	0	0	0	0	0	0	1600	0	1	4	28	49	32	3	1	0	0	0	0	0	27.6	32	36	30.5	4	3.4	0	0	
1700	107	0	103	0	4	0	0	0	0	0	0	0	1700	0	0	7	17	44	32	7	0	0	0	0	0	0	28.3	32.7	39	36.4	7	6.5	0	0	
1800	108	0	102	1	5	0	0	0	0	0	0	0	1800	0	1	4	24	40	33	5	1	0	0	0	0	0	27.8	32.2	39	36.1	6	5.6	0	0	
1900	78	3	73	0	1	1	0	0	0	0	0	0	1900	0	1	0	9	49	18	1	0	0	0	0	0	0	28.1	31.3	19	24.4	1	1.3	0	0	
2000	24	0	23	0	1	0	0	0	0	0	0	0	2000	0	0	1	2	10	7	4	0	0	0	0	0	0	29.5	34.2	11	45.8	4	16.7	0	0	
2100	36	1	30	0	5	0	0	0	0	0	0	0	2100	0	2	1	6	16	7	4	0	0	0	0	0	0	27.4	32.2	11	30.6	4	11.1	0	0	
2200	40	0	39	0	1	0	0	0	0	0	0	0	2200	0	0	5	15	11	6	2	1	0	0	0	0	0	26	30.9	9	22.5	3	7.5	0	0	
2300	25	0	24	1	0	0	0	0	0	0	0	0	2300	0	0	0	6	10	7	1	1	0	0	0	0	0	28.4	32.4	9	36	2	8	0	0	
07-19	1474	19	###	4	48	1	2	1	0	0	0		07-19	10	15	56	335	658	331	57	11	1	0	0	0	0	27.3	31.8	400	27.1	69	4.7	1	0.1	
06-22	1623	23	###	4	56	2	2	1	0	0	0		06-22	10	18	58	355	737	366	67	11	1	0	0	0	0	27.4	31.8	445	27.4	79	4.9	1	0.1	
06-00	1688	23	###	5	57	2	2	1	0	0	0		06-00	10	18	63	376	758	379	70	13	1	0	0	0	0	27.4	31.8	463	27.4	84	5	1	0.1	
00-00	1714	25	###	5	57	2	2	1	0	0	0		00-00	11	18	64	379	770	384	73	14	1	0	0	0	0	27.4	31.8	472	27.5	88	5.1	1	0.1	

24 March 2013

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	15	1	14	0	0	0	0	0	0	0	0	0	0000	0	1	0	1	4	4	5	0	0	0	0	0	0	0	31	37.1	9	60	5	33.3	0	0
0100	7	0	7	0	0	0	0	0	0	0	0	0	0100	0	0	0	4	0	2	1	0	0	0	0	0	0	0	28	-	3	42.9	1	14.3	0	0
0200	0	0	0	0	0	0	0	0	0	0	0	0	0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0
0300	1	0	1	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	1	0	0	0	0	0	0	0	0	0	26	-	0	0	0	0	0	0
0400	0	0	0	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0
0500	1	0	1	0	0	0	0	0	0	0	0	0	0500	0	0	0	0	0	1	0	0	0	0	0	0	0	0	33.5	-	1	100	0	0	0	0
0600	10	0	10	0	0	0	0	0	0	0	0	0	0600	0	0	0	0	3	6	1	0	0	0	0	0	0	0	32.2	-	7	70	1	10	0	0
0700	31	0	31	0	0	0	0	0	0	0	0	0	0700	0	0	1	6	11	11	2	0	0	0	0	0	0	0	28.6	32.2	13	41.9	2	6.5	0	0
0800	45	0	43	1	1	0	0	0	0	0	0	0	0800	0	1	0	11	21	10	2	0	0	0	0	0	0	0	27.5	30.6	12	26.7	2	4.4	0	0
0900	113	1	107	0	4	0	1	0	0	0	0	0	0900	0	1	1	18	52	33	8	0	0	0	0	0	0	0	28.6	32.4	41	36.3	8	7.1	0	0
1000	151	4	145	0	2	0	0	0	0	0	0	0	1000	1	3	5	24	68	42	7	1	0	0	0	0	0	0	27.7	31.5	50	33.1	8	5.3	0	0
1100	138	4	130	2	2	0	0	0	0	0	0	0	1100	1	2	10	28	66	28	3	0	0	0	0	0	0	0	26.6	30.6	31	22.5	3	2.2	0	0
1200	127	1	124	0	2	0	0	0	0	0	0	0	1200	0	1	4	31	53	31	7	0	0	0	0	0	0	0	27.5	31.3	38	29.9	7	5.5	0	0
1300	130	4	122	1	3	0	0	0	0	0	0	0	1300	2	1	2	26	55	36	7	1	0	0	0	0	0	0	27.9	31.8	44	33.8	8	6.2	0	0
1400	109	1	107	0	1	0	0	0	0	0	0	0	1400	0	2	5	21	55	19	5	2	0	0	0	0	0	0	27.5	31.8	26	23.9	7	6.4	0	0
1500	108	0	106	0	2	0	0	0	0	0	0	0	1500	0	0	1	28	52	21	5	0	1	0	0	0	0	0	27.6	31.5	27	25	6	5.6	1	0.9

1600	86	1	82	0	3	0	0	0	0	0	0	0	0	0	1600	0	1	3	20	40	20	2	0	0	0	0	0	0	0	27.4	31.3	22	25.6	2	2.3	0	0
1700	88	2	85	0	1	0	0	0	0	0	0	0	0	0	1700	0	1	2	20	36	27	1	1	0	0	0	0	0	0	27.7	31.8	29	33	2	2.3	0	0
1800	67	4	58	0	4	1	0	0	0	0	0	0	0	0	1800	1	2	3	14	30	16	1	0	0	0	0	0	0	0	26.4	31.5	17	25.4	1	1.5	0	0
1900	44	2	42	0	0	0	0	0	0	0	0	0	0	0	1900	0	2	1	7	15	14	5	0	0	0	0	0	0	0	28.7	34.2	19	43.2	5	11.4	0	0
2000	18	0	18	0	0	0	0	0	0	0	0	0	0	0	2000	0	0	0	1	12	5	0	0	0	0	0	0	0	0	28.5	30.2	5	27.8	0	0	0	0
2100	19	2	17	0	0	0	0	0	0	0	0	0	0	0	2100	1	1	0	3	6	6	1	0	1	0	0	0	0	0	28.2	33.3	8	42.1	2	10.5	1	5.3
2200	15	1	14	0	0	0	0	0	0	0	0	0	0	0	2200	0	1	0	1	5	5	3	0	0	0	0	0	0	0	29.1	37.1	8	53.3	3	20	0	0
2300	7	0	7	0	0	0	0	0	0	0	0	0	0	0	2300	0	0	0	1	5	1	0	0	0	0	0	0	0	0	27.4	-	1	14.3	0	0	0	0
07-19	1193	22	###	4	25	1	1	0	0	0	0	0	0	0	07-19	5	15	37	247	539	294	50	5	1	0	0	0	0	0	27.5	31.8	350	29.3	56	4.7	1	0.1
06-22	1284	26	###	4	25	1	1	0	0	0	0	0	0	0	06-22	6	18	38	258	575	325	57	5	2	0	0	0	0	0	27.6	31.8	389	30.3	64	5	2	0.2
06-00	1306	27	###	4	25	1	1	0	0	0	0	0	0	0	06-00	6	19	38	260	585	331	60	5	2	0	0	0	0	0	27.7	31.8	398	30.5	67	5.1	2	0.2
00-00	1330	28	###	4	25	1	1	0	0	0	0	0	0	0	00-00	6	20	38	265	590	338	66	5	2	0	0	0	0	0	27.7	32	411	30.9	73	5.5	2	0.2

Virtual Day (7)

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT		
0000	6	0	5	0	0	0	0	0	0	0	0	0	0000	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	29.3	-	3	47.5	1	20	0	0	
0100	3	0	3	0	0	0	0	0	0	0	0	0	0100	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	27.8	-	1	43.5	0	8.7	0	0	
0200	0	0	0	0	0	0	0	0	0	0	0	0	0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.7	-	0	33.3	0	0	0	0	
0300	1	0	1	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	27.8	-	0	16.7	0	0	0	0	
0400	2	0	2	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	29.6	-	1	30.8	0	15.4	0	0	
0500	6	0	6	0	0	0	0	0	0	0	0	0	0500	0	0	0	1	2	3	1	0	0	0	0	0	0	0	0	30.2	-	3	53.5	1	11.6	0	0	
0600	33	1	30	0	2	0	0	0	0	0	0	0	0600	0	0	1	4	13	11	3	0	0	0	0	0	0	0	0	29.4	34.2	15	44.3	4	11.3	0	0	
0700	115	2	106	0	7	0	0	0	0	0	0	0	0700	0	2	2	18	50	34	7	1	0	0	0	0	0	0	0	28.5	32.7	43	37.2	8	7.1	0	0.1	
0800	161	2	151	0	8	1	0	0	0	0	0	0	0800	0	1	3	26	73	47	10	1	0	0	0	0	0	0	0	28.7	33.1	58	36	12	7.2	0	0	
0900	148	1	136	0	9	0	0	0	0	0	0	0	0900	1	1	7	38	69	28	3	0	0	0	0	0	0	0	0	26.7	30.9	31	21.1	3	2.3	0	0	
1000	163	4	150	1	7	1	0	0	0	0	0	0	1000	2	3	9	44	74	26	4	0	0	0	0	0	0	0	0	26.2	30.6	31	19.1	5	3	0	0.1	
1100	152	3	140	1	7	0	0	0	0	0	0	0	1100	1	3	8	47	65	23	4	0	0	0	0	0	0	0	0	26	30.4	27	17.9	4	2.6	0	0.2	
1200	135	2	123	0	9	1	0	0	0	0	0	0	1200	1	2	8	37	58	24	3	0	0	0	0	0	0	0	0	26.4	30.6	28	21	4	2.9	0	0	
1300	146	4	131	0	10	0	0	0	0	0	0	0	1300	3	2	8	38	63	27	4	0	0	0	0	0	0	0	0	26.3	30.9	32	21.8	5	3.1	0	0	
1400	137	3	127	0	8	0	0	0	0	0	0	0	1400	1	2	5	39	65	20	4	1	0	0	0	0	0	0	0	26.5	30.6	25	17.9	5	3.5	0	0	
1500	136	1	125	0	9	0	0	0	0	0	0	0	1500	1	1	7	38	59	26	4	0	0	0	0	0	0	0	0	26.6	30.9	31	22.6	4	3.1	0	0.1	
1600	122	2	110	0	9	0	0	0	0	0	0	0	1600	1	2	4	30	50	30	5	1	0	0	0	0	0	0	0	27.3	32	35	29	6	4.6	0	0	
1700	115	2	108	0	5	0	0	0	0	0	0	0	1700	0	2	3	21	55	29	4	0	0	0	0	0	0	0	0	27.7	32	34	29.2	5	4	0	0.1	
1800	96	2	89	0	5	0	0	0	0	0	0	0	1800	0	1	3	20	44	25	3	0	0	0	0	0	0	0	0	27.6	31.8	28	29.4	3	3.3	0	0	
1900	64	2	60	0	2	0	0	0	0	0	0	0	1900	0	2	1	9	32	16	3	0	0	0	0	0	0	0	0	28.3	32.4	20	31.6	4	6	0	0.2	
2000	32	1	30	0	2	0	0	0	0	0	0	0	2000	0	1	1	5	14	8	2	0	0	0	0	0	0	0	0	28.1	32.9	11	33.6	3	8.5	0	1.3	
2100	27	1	24	0	1	0	0	0	0	0	0	0	2100	0	1	0	4	10	8	3	0	0	0	0	0	0	0	0	28.8	34.2	12	43.2	4	13.7	0	0.5	
2200	38	0	37	0	1	0	0	0	0	0	0	0	2200	0	0	4	14	12	5	1	0	0	0	0	0	0	0	0	25.4	30.2	7	17.8	2	4.2	0	0	
2300	11	0	10	0	0	0	0	0	0	0	0	0	2300	0	0	0	3	4	3	1	0	0	0	0	0	0	0	0	27.7	32.7	4	35.1	1	6.5	0	0	
07-19	1625	27	###	4	92	3	2	1	0	0	0	0	07-19	10	22	68	396	727	340	56	6	1	0	0	0	0	0	0	0	27	31.5	403	24.8	63	3.9	1	0.1
06-22	1782	31	###	4	98	4	2	1	0	0	0	0	06-22	10	26	71	418	797	383	68	7	1	0	0	0	0	0	0	0	27.1	31.5	460	25.8	77	4.3	2	0.1
06-00	1830	32	###	4	99	4	2	1	0	0	0	0	06-00	10	26	75	435	813	391	70	8	1	0	0	0	0	0	0	0	27.1	31.5	471	25.7	79	4.3	2	0.1
00-00	1849	32	###	4	100	4	3	1	0	0	0	0	00-00	10	26	76	438	820	397	72	8	1	0	0	0	0	0	0	0	27.1	31.8	479	25.9	82	4.4	2	0.1

Virtual Week (1)

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT	
Mon	1932	34	###	3	120	5	2	0	0	0	0		Mon	5	34	63	438	867	431	83	9	2	0	0	0	0	0	0	27.4	32	525	27.2	94	4.9	2	0.1
Tue	2078	49	###	4	135	6	5	0	0	1	0		Tue	17	28	104	504	922	425	66	10	2	0	0	0	0	0	0	26.8	31.3	503	24.2	78	3.8	2	0.1
Wed	2027	43	###	6	122	7	4	4	1	0	1		Wed	16	37	92	560	836	408	70	7	0	0	0	0	0	0	0	26.7	31.5	486	24	78	3.8	1	0
Thu	1915	25	###	4	116	1	3	1	2	0	1		Thu	10	28	87	470	846	393	73	6	2	0	0	0	0	0	0	27	31.5	474	24.8	81	4.2	2	0.1
Fri	1944	21	###	1	122	5	1	0	0	0	0		Fri	8	20	81	448	906	402	74	4	1	0	0	0	0	0	0	27.2	31.5	481	24.7	79	4.1	1	0.1
JSat	1714	25	###	5	57	2	2	1	0	0	0		JSat	11	18	64	379	770	384	73	14	1	0	0	0	0	0	27.4	31.8	472	27.5	88	5.1	1	0.1	

Sun	1330	28	###	4	25	1	1	0	0	0	0	Sun	6	20	38	265	590	338	66	5	2	0	0	0	0	0	27.7	32	411	30.9	73	5.5	2	0.2
--	12940	225	###	27	697	27	18	6	3	1	2	--	73	185	529	3064	5737	2781	505	55	10	0	0	0	0	0	27.1	31.8	3352	25.9	571	4.4	11	0.1

Grand Total

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	]PSL 30	]PSL% 30	]SL1 35 ACPO	]SL1% 35 ACPO	]SL2 45 DFT	]SL2% 45 DFT
--	12940	225	###	27	697	27	18	6	3	1	2		--	73	185	529	3064	5737	2781	505	55	10	0	0	0	0	0	27.1	31.8	3352	25.9	571	4.4	11	0.1

Advanced Transport Research

Report Id - CustomList-291
Site Name - 4001-001
Description - STATION ROAD[30M]
Direction - West

18 March 2013

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT	
0000	11	0	10	0	1	0	0	0	0	0	0		0000	0	0	0	1	2	2	4	2	0	0	0	0	0	0	34.2	37.8	8	72.7	6	54.5	0	0	
0100	3	0	2	0	1	0	0	0	0	0	0		0100	0	0	0	0	1	1	0	1	0	0	0	0	0	0	34	-	2	66.7	1	33.3	0	0	
0200	1	0	1	0	0	0	0	0	0	0	0		0200	0	0	0	0	1	0	0	0	0	0	0	0	0	0	26.4	-	0	0	0	0	0	0	
0300	1	0	1	0	0	0	0	0	0	0	0		0300	0	0	0	0	1	0	0	0	0	0	0	0	0	0	27.9	-	0	0	0	0	0	0	
0400	3	0	3	0	0	0	0	0	0	0	0		0400	0	0	0	0	2	0	1	0	0	0	0	0	0	0	30.7	-	1	33.3	1	33.3	0	0	
0500	3	0	2	0	1	0	0	0	0	0	0		0500	0	0	0	1	2	0	0	0	0	0	0	0	0	0	25.6	-	0	0	0	0	0	0	
0600	23	1	20	0	2	0	0	0	0	0	0		0600	0	1	1	3	7	8	3	0	0	0	0	0	0	0	28.7	34.4	11	47.8	3	13	0	0	
0700	78	5	68	0	5	0	0	0	0	0	0		0700	0	3	2	16	32	17	8	0	0	0	0	0	0	0	27.9	32.7	25	32.1	8	10.3	0	0	
0800	119	2	104	1	12	0	0	0	0	0	0		0800	1	4	2	24	56	24	8	0	0	0	0	0	0	0	27.3	32.4	32	26.9	8	6.7	0	0	
0900	132	3	120	1	8	0	0	0	0	0	0		0900	1	1	4	39	56	25	5	1	0	0	0	0	0	0	26.9	31.3	31	23.5	6	4.5	0	0	
1000	135	0	117	2	14	2	0	0	0	0	0		1000	1	0	5	45	58	23	3	0	0	0	0	0	0	0	26.5	30.4	26	19.3	3	2.2	0	0	
1100	159	5	142	1	10	0	0	1	0	0	0		1100	1	6	7	39	73	28	5	0	0	0	0	0	0	0	26.3	30.9	33	20.8	5	3.1	0	0	
1200	164	6	145	1	11	0	0	0	0	0	1		1200	3	8	7	52	70	21	3	0	0	0	0	0	0	0	25.4	29.8	24	14.6	3	1.8	0	0	
1300	146	3	129	0	14	0	0	0	0	0	0		1300	2	1	6	43	59	27	5	2	1	0	0	0	0	0	27	31.8	35	24	8	5.5	1	0.7	
1400	155	1	145	1	6	0	0	2	0	0	0		1400	1	2	3	49	68	28	3	1	0	0	0	0	0	0	26.6	31.1	32	20.6	4	2.6	0	0	
1500	164	0	155	0	9	0	0	0	0	0	0		1500	0	0	2	33	86	38	4	1	0	0	0	0	0	0	28	32.2	43	26.2	5	3	0	0	
1600	185	1	172	0	12	0	0	0	0	0	0		1600	0	2	7	29	88	47	11	1	0	0	0	0	0	0	28	32	59	31.9	12	6.5	0	0	
1700	178	2	170	0	6	0	0	0	0	0	0		1700	0	7	4	30	86	41	9	1	0	0	0	0	0	0	27.7	32	51	28.7	10	5.6	0	0	
1800	139	3	129	0	7	0	0	0	0	0	0		1800	1	0	0	11	68	42	15	2	0	0	0	0	0	0	29.9	34	59	42.4	17	12.2	0	0	
1900	95	0	91	0	4	0	0	0	0	0	0		1900	0	0	0	11	46	36	2	0	0	0	0	0	0	0	29.1	33.1	38	40	2	2.1	0	0	
2000	56	0	55	0	1	0	0	0	0	0	0		2000	0	0	0	9	22	18	5	2	0	0	0	0	0	0	29.9	34.9	25	44.6	7	12.5	0	0	
2100	34	0	33	0	1	0	0	0	0	0	0		2100	0	0	0	1	14	18	1	0	0	0	0	0	0	0	30.5	32.9	19	55.9	1	2.9	0	0	
2200	26	1	25	0	0	0	0	0	0	0	0		2200	0	0	0	3	10	10	1	1	0	1	0	0	0	0	31.2	34.2	13	50	3	11.5	1	3.8	
2300	7	0	7	0	0	0	0	0	0	0	0		2300	0	0	1	0	5	0	1	0	0	0	0	0	0	0	28.1	-	1	14.3	1	14.3	0	0	
07-19	1754	31	1596	7	114	2	0	3	0	0	1		07-19	11	34	49	410	800	361	79	9	1	0	0	0	0	0	0	27.3	31.8	450	25.7	89	5.1	1	0.1
06-22	1962	32	1795	7	122	2	0	3	0	0	1		06-22	11	35	50	434	889	441	90	11	1	0	0	0	0	0	0	27.5	32.2	543	27.7	102	5.2	1	0.1
06-00	1995	33	1827	7	122	2	0	3	0	0	1		06-00	11	35	51	437	904	451	92	12	1	1	0	0	0	0	0	27.6	32.2	557	27.9	106	5.3	2	0.1
00-00	2017	33	1846	7	125	2	0	3	0	0	1		00-00	11	35	51	439	913	454	97	15	1	1	0	0	0	0	0	27.6	32.2	568	28.2	114	5.7	2	0.1

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	7	0	7	0	0	0	0	0	0	0	0		0000	0	0	0	0	0	3	2	1	0	1	0	0	0	0	38.5	-	7	100	4	57.1	1	14.3
0100	2	0	2	0	0	0	0	0	0	0	0		0100	0	0	0	1	0	1	0	0	0	0	0	0	0	0	26.7	-	1	50	0	0	0	0
0200	2	0	2	0	0	0	0	0	0	0	0		0200	0	0	0	2	0	0	0	0	0	0	0	0	0	0	24.2	-	0	0	0	0	0	0
0300	1	0	1	0	0	0	0	0	0	0	0		0300	0	0	0	0	0	0	0	1	0	0	0	0	0	0	41	-	1	100	1	100	0	0
0400	1	0	1	0	0	0	0	0	0	0	0		0400	0	0	0	0	0	1	0	0	0	0	0	0	0	0	34.5	-	1	100	0	0	0	0
0500	4	0	3	0	1	0	0	0	0	0	0		0500	0	0	0	1	1	1	1	0	0	0	0	0	0	0	29.4	-	2	50	1	25	0	0
0600	9	0	8	0	1	0	0	0	0	0	0		0600	0	1	0	1	3	3	1	0	0	0	0	0	0	0	27.9	-	4	44.4	1	11.1	0	0
0700	68	3	60	0	5	0	0	0	0	0	0		0700	0	3	2	9	23	29	2	0	0	0	0	0	0	0	28.2	32.9	31	45.6	2	2.9	0	0
0800	117	3	106	0	7	1	0	0	0	0	0		0800	0	4	5	12	53	37	6	0	0	0	0	0	0	0	28.2	32.9	43	36.8	6	5.1	0	0
0900	183	0	162	2	18	1	0	0	0	0	0		0900	0	3	3	48	95	32	2	0	0	0	0	0	0	0	26.8	30	34	18.6	2	1.1	0	0

1000	145	3	131	0	10	0	0	1	0	0	0	1000	1	2	7	42	64	25	4	0	0	0	0	0	0	26.4	30.9	29	20	4	2.8	0	0
1100	166	3	156	0	6	0	0	0	1	0	0	1100	0	3	3	50	73	33	4	0	0	0	0	0	0	26.7	30.6	37	22.3	4	2.4	0	0
1200	171	7	151	0	13	0	0	0	0	0	0	1200	3	5	18	46	72	23	4	0	0	0	0	0	0	25.3	30.2	27	15.8	4	2.3	0	0
1300	170	2	159	0	9	0	0	0	0	0	0	1300	0	3	7	44	75	38	3	0	0	0	0	0	0	26.8	31.1	41	24.1	3	1.8	0	0
1400	151	3	130	0	18	0	0	0	0	0	0	1400	1	5	4	41	68	26	4	2	0	0	0	0	0	26.4	30.6	32	21.2	6	4	0	0
1500	173	2	156	1	14	0	0	0	0	0	0	1500	0	3	5	40	82	37	6	0	0	0	0	0	0	27.3	31.3	43	24.9	6	3.5	0	0
1600	192	6	171	1	14	0	0	0	0	0	0	1600	1	3	5	32	98	46	7	0	0	0	0	0	0	27.8	31.5	53	27.6	7	3.6	0	0
1700	181	2	170	0	9	0	0	0	0	0	0	1700	0	3	5	26	77	59	9	2	0	0	0	0	0	28.3	32.2	70	38.7	11	6.1	0	0
1800	147	4	139	0	4	0	0	0	0	0	0	1800	0	0	0	28	68	39	12	0	0	0	0	0	0	28.8	32.9	51	34.7	12	8.2	0	0
1900	79	0	76	0	2	0	1	0	0	0	0	1900	1	0	4	10	37	19	4	1	2	1	0	0	0	28.8	33.1	27	34.2	8	10.1	3	3.8
2000	75	0	71	0	4	0	0	0	0	0	0	2000	0	0	1	7	35	26	5	1	0	0	0	0	0	29.3	33.8	32	42.7	6	8	0	0
2100	60	3	53	0	4	0	0	0	0	0	0	2100	0	2	0	11	22	20	5	0	0	0	0	0	0	28.9	33.6	25	41.7	5	8.3	0	0
2200	32	2	30	0	0	0	0	0	0	0	0	2200	0	0	0	6	14	8	3	0	1	0	0	0	0	29.7	33.3	12	37.5	4	12.5	1	3.1
2300	18	1	16	0	1	0	0	0	0	0	0	2300	0	0	0	0	11	4	3	0	0	0	0	0	0	30.4	34.4	7	38.9	3	16.7	0	0
07-19	1864	38	1691	4	127	2	0	1	1	0	0	07-19	6	37	64	418	848	424	63	4	0	0	0	0	0	27.2	31.5	491	26.3	67	3.6	0	0
06-22	2087	41	1899	4	138	2	1	1	1	0	0	06-22	7	40	69	447	945	492	78	6	2	1	0	0	0	27.4	31.8	579	27.7	87	4.2	3	0.1
06-00	2137	44	1945	4	139	2	1	1	1	0	0	06-00	7	40	69	453	970	504	84	6	3	1	0	0	0	27.4	31.8	598	28	94	4.4	4	0.2
00-00	2154	44	1961	4	140	2	1	1	1	0	0	00-00	7	40	69	457	971	510	87	8	3	2	0	0	0	27.5	32	610	28.3	100	4.6	5	0.2

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	3	1	1	0	1	0	0	0	0	0	0	0	0000	0	0	0	1	1	1	0	0	0	0	0	0	0	0	27.5	-	1	33.3	0	0	0	0
0100	1	0	1	0	0	0	0	0	0	0	0	0	0100	0	0	0	0	0	0	0	0	0	1	0	0	0	0	51.9	-	1	100	1	100	1	100
0200	0	0	0	0	0	0	0	0	0	0	0	0	0200	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	
0400	1	0	1	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	1	0	0	0	0	0	0	0	34.2	-	1	100	0	0	0	0	
0500	5	0	4	0	1	0	0	0	0	0	0	0	0500	0	0	0	1	3	0	0	0	1	0	0	0	0	29.4	-	1	20	1	20	1	20	
0600	10	1	8	0	1	0	0	0	0	0	0	0	0600	0	1	1	3	4	1	0	0	0	0	0	0	0	24.1	-	1	10	0	0	0	0	
0700	68	5	55	0	8	0	0	0	0	0	0	0	0700	1	3	2	14	27	18	3	0	0	0	0	0	0	27.1	31.5	21	30.9	3	4.4	0	0	
0800	118	5	105	1	7	0	0	0	0	0	0	0	0800	2	3	3	17	40	41	9	3	0	0	0	0	0	28.7	34	53	44.9	12	10.2	0	0	
0900	134	2	118	1	12	0	0	0	1	0	0	0	0900	1	2	6	29	56	38	2	0	0	0	0	0	0	27.2	31.3	40	29.9	2	1.5	0	0	
1000	134	6	114	3	9	2	0	0	0	0	0	0	1000	2	5	5	30	61	28	2	0	1	0	0	0	0	26.4	30.9	31	23.1	3	2.2	1	0.7	
1100	167	4	152	0	11	0	0	0	0	0	0	0	1100	1	2	8	48	81	21	5	0	0	0	0	0	0	26.8	30.2	27	16.2	6	3.6	1	0.6	
1200	183	7	164	1	10	1	0	0	0	0	0	0	1200	3	5	14	57	73	31	0	0	0	0	0	0	0	25.4	30.2	31	16.9	0	0	0	0	
1300	166	3	138	0	23	1	0	1	0	0	0	0	1300	4	0	17	49	63	26	6	1	0	0	0	0	0	25.7	30.6	33	19.9	7	4.2	0	0	
1400	127	3	118	0	6	0	0	0	0	0	0	0	1400	1	2	6	41	48	24	5	0	0	0	0	0	0	26.5	31.5	29	22.8	5	3.9	0	0	
1500	187	2	165	1	18	0	0	0	0	0	1	1500	2	5	6	40	85	44	5	0	0	0	0	0	0	0	26.8	31.3	49	26.2	5	2.7	0	0	
1600	202	2	186	0	13	1	0	0	0	0	0	0	1600	1	2	7	40	82	62	6	2	0	0	0	0	0	28	32	70	34.7	8	4	0	0	
1700	205	3	196	0	6	0	0	0	0	0	0	0	1700	0	2	2	40	76	69	15	1	0	0	0	0	0	28.7	33.6	85	41.5	16	7.8	0	0	
1800	165	4	156	1	4	0	0	0	0	0	0	0	1800	0	3	7	22	74	45	14	0	0	0	0	0	0	28.6	33.1	59	35.8	14	8.5	0	0	
1900	109	1	107	0	1	0	0	0	0	0	0	0	1900	0	1	5	36	42	16	9	0	0	0	0	0	0	26.9	31.5	25	22.9	9	8.3	0	0	
2000	56	1	52	0	3	0	0	0	0	0	0	0	2000	0	0	1	7	16	24	5	3	0	0	0	0	0	30.3	34.9	32	57.1	8	14.3	0	0	
2100	51	0	46	0	5	0	0	0	0	0	0	0	2100	0	0	0	8	24	14	4	1	0	0	0	0	0	29.2	32.9	19	37.3	5	9.8	0	0	
2200	35	3	32	0	0	0	0	0	0	0	0	0	2200	0	2	1	2	16	10	1	2	0	1	0	0	0	29.4	32	14	40	4	11.4	1	2.9	
2300	17	0	17	0	0	0	0	0	0	0	0	0	2300	0	0	0	3	5	3	6	0	0	0	0	0	0	31.1	36.9	9	52.9	6	35.3	0	0	
07-19	1856	46	1667	8	127	5	0	1	1	0	1	0	07-19	18	34	83	427	766	447	72	7	1	0	0	0	0	0	27.2	32	528	28.4	81	4.4	2	0.1
06-22	2082	49	1880	8	137	5	0	1	1	0	1	0	06-22	18	36	90	481	852	502	90	11	1	0	0	0	0	0	27.3	32	605	29.1	103	4.9	2	0.1
06-00	2134	52	1929	8	137	5	0	1	1	0	1	0	06-00	18	38	91	486	873	515	97	13	1	1	0	0	0	0	27.3	32	628	29.4	113	5.3	3	0.1
00-00	2144	53	1936	8	139	5	0	1	1	0	1	0	00-00	18	38	91	488	877	517	97	13	2	2	0	0	0	0	27.4	32	632	29.5	115	5.4	5	0.2

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0	Vbin 10	Vbin 15	Vbin 20	Vbin 25	Vbin 30	Vbin 35	Vbin 40	Vbin 45	Vbin 50	Vbin 60	Vbin 70	Vbin 80	Vbin 90	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35	JSL1% 35	JSL2 45	JSL2% 45
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														10	15	20	25	30	35	40	45	50	60	70	80	90	100						ACPO	ACPO	DFT	DFT
0000	10	1	9	0	0	0	0	0	0	0	0	0	0000	0	0	0	2	4	4	0	0	0	0	0	0	0	0	29.1	-		4	40	0	0	0	0
0100	0	0	0	0	0	0	0	0	0	0	0	0	0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	
0200	2	0	2	0	0	0	0	0	0	0	0	0	0200	0	0	0	1	0	1	0	0	0	0	0	0	0	0	26.5	-		1	50	0	0	0	0
0300	0	0	0	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	
0400	0	0	0	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	
0500	2	0	1	0	1	0	0	0	0	0	0	0	0500	0	0	0	1	0	1	0	0	0	0	0	0	0	0	28.5	-		1	50	0	0	0	0
0600	19	2	13	0	4	0	0	0	0	0	0	0	0600	0	0	0	4	6	8	0	1	0	0	0	0	0	0	30.1	33.6	9	47.4	1	5.3	0	0	
0700	62	5	53	0	3	0	0	0	1	0	0	0	0700	2	1	5	9	22	18	3	1	0	1	0	0	0	0	27.6	33.1	23	37.1	5	8.1	1	1.6	0
0800	146	0	133	1	7	3	1	1	0	0	0	0	0800	0	1	7	38	59	29	10	1	1	0	0	0	0	0	27.3	31.8	41	28.1	12	8.2	1	0.7	0
0900	146	2	124	0	20	0	0	0	0	0	0	0	0900	0	1	2	47	67	24	5	0	0	0	0	0	0	0	26.7	30.2	29	19.9	5	3.4	0	0	0
1000	120	1	109	0	10	0	0	0	0	0	0	0	1000	0	2	17	31	45	20	3	2	0	0	0	0	0	0	25.8	30.6	25	20.8	5	4.2	0	0	0
1100	152	0	131	1	19	0	0	0	1	0	0	0	1100	0	3	7	42	79	19	1	1	0	0	0	0	0	0	26.2	29.5	21	13.8	2	1.3	0	0	0
1200	160	0	149	2	9	0	0	0	0	0	0	0	1200	0	0	6	45	72	30	5	2	0	0	0	0	0	0	27	31.1	37	23.1	7	4.4	0	0	0
1300	112	2	97	1	11	1	0	0	0	0	0	0	1300	0	2	7	26	44	29	4	0	0	0	0	0	0	0	27.2	31.8	33	29.5	4	3.6	0	0	0
1400	125	3	111	1	9	1	0	0	0	0	0	0	1400	1	6	22	44	40	11	1	0	0	0	0	0	0	0	23.5	28.4	12	9.6	1	0.8	0	0	0
1500	174	1	162	1	10	0	0	0	0	0	0	0	1500	0	2	5	48	79	34	6	0	0	0	0	0	0	0	27.1	31.1	40	23	6	3.4	0	0	0
1600	185	2	171	0	11	0	1	0	0	0	0	0	1600	1	2	7	30	91	42	11	1	0	0	0	0	0	0	27.8	31.3	54	29.2	12	6.5	0	0	0
1700	154	0	148	0	6	0	0	0	0	0	0	0	1700	0	0	5	24	74	36	13	2	0	0	0	0	0	0	28.8	32.9	51	33.1	15	9.7	0	0	0
1800	158	0	154	0	4	0	0	0	0	0	0	0	1800	0	0	2	33	56	56	10	1	0	0	0	0	0	0	28.9	32.9	67	42.4	11	7	0	0	0
1900	124	1	119	1	3	0	0	0	0	0	0	0	1900	0	0	1	34	44	35	10	0	0	0	0	0	0	0	28.2	33.6	45	36.3	10	8.1	0	0	0
2000	69	3	65	0	1	0	0	0	0	0	0	0	2000	0	0	3	9	29	17	9	2	0	0	0	0	0	0	29.4	35.3	28	40.6	11	15.9	0	0	0
2100	58	1	54	1	2	0	0	0	0	0	0	0	2100	0	1	3	4	29	14	6	0	1	0	0	0	0	0	29	34	21	36.2	7	12.1	1	1.7	0
2200	41	2	39	0	0	0	0	0	0	0	0	0	2200	0	1	0	2	22	12	4	0	0	0	0	0	0	0	29.4	34.4	16	39	4	9.8	0	0	0
2300	14	0	14	0	0	0	0	0	0	0	0	0	2300	0	0	0	0	4	3	4	2	1	0	0	0	0	0	34.3	42.3	10	71.4	7	50	1	7.1	0
07-19	1694	16	1542	7	119	5	2	1	2	0	0	0	07-19	4	20	92	417	728	348	72	11	1	1	0	0	0	0	27.1	31.8	433	25.6	85	5	2	0.1	0
06-22	1964	23	1793	9	129	5	2	1	2	0	0	0	06-22	4	21	99	468	836	422	97	14	2	1	0	0	0	0	27.3	31.8	536	27.3	114	5.8	3	0.2	0
06-00	2019	25	1846	9	129	5	2	1	2	0	0	0	06-00	4	22	99	470	862	437	105	16	3	1	0	0	0	0	27.4	32	562	27.8	125	6.2	4	0.2	0
00-00	2033	26	1858	9	130	5	2	1	2	0	0	0	00-00	4	22	99	474	866	443	105	16	3	1	0	0	0	0	27.4	32	568	27.9	125	6.1	4	0.2	0

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	]PSL 30	]PSL% 30	]SL1 35 ACPO	]SL1% 35 ACPO	]SL2 45 DFT	]SL2% 45 DFT	
0000	7	0	7	0	0	0	0	0	0	0	0	0	0000	0	0	0	1	2	4	0	0	0	0	0	0	0	0	29.1	-		4	57.1	0	0	0	0
0100	1	0	1	0	0	0	0	0	0	0	0	0	0100	0	0	0	0	0	1	0	0	0	0	0	0	0	0	31.2	-		1	100	0	0	0	0
0200	0	0	0	0	0	0	0	0	0	0	0	0	0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	0
0300	0	0	0	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	0
0400	0	0	0	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		0	0	0	0	0	0
0500	3	0	2	0	1	0	0	0	0	0	0	0	0500	0	0	0	1	2	0	0	0	0	0	0	0	0	0	25.6	-		0	0	0	0	0	0
0600	8	1	5	0	2	0	0	0	0	0	0	0	0600	0	0	2	0	3	2	1	0	0	0	0	0	0	0	27.7	-		3	37.5	1	12.5	0	0
0700	71	1	64	0	6	0	0	0	0	0	0	0	0700	0	1	2	16	21	25	5	1	0	0	0	0	0	0	28.5	33.6	31	43.7	6	8.5	0	0	0
0800	131	1	117	1	12	0	0	0	0	0	0	0	0800	1	1	1	26	54	36	12	0	0	0	0	0	0	0	28.7	33.3	48	36.6	12	9.2	0	0	0
0900	125	1	112	0	12	0	0	0	0	0	0	0	0900	0	2	5	30	56	27	5	0	0	0	0	0	0	0	27.1	32	32	25.6	5	4	0	0	0
1000	128	1	114	0	11	2	0	0	0	0	0	0	1000	0	1	5	32	54	28	8	0	0	0	0	0	0	0	27.5	32.4	36	28.1	8	6.3	0	0	0
1100	156	4	140	0	10	1	0	0	0	1	0	0	1100	0	7	5	34	70	34	4	2	0	0	0	0	0	0	26.8	31.8	40	25.6	6	3.8	0	0	0
1200	195	0	177	0	18	0	0	0	0	0	0	0	1200	0	1	6	56	91	36	4	1	0	0	0	0	0	0	26.9	30.9	41	21	5	2.6	0	0	0
1300	181	2	168	0	11	0	0	0	0	0	0	0	1300	0	4	10	49	71	42	4	0	0	1	0	0	0	0	26.7	31.5	47	26	5	2.8	1	0.6	0
1400	145	4	132	0	9	0	0	0	0	0	0	0	1400	1	2	3	37	71	23	8	0	0	0	0	0	0	0	26.9	30.4	31	21.4	8	5.5	0	0	0
1500	174	2	163	0	9	0	0	0	0	0	0	0	1500	2	7	5	43	83	30	4	0	0	0	0	0	0	0	26.2	30.4	34	19.5	4	2.3	0	0	0
1600	187	1	176	0	10	0	0	0	0	0	0	0	1600	0	0	3	42	93	41	7	1	0	0	0	0	0	0	27.9	31.3	49	26.2	8	4.3	0	0	0
1700	195	2	187	0	6	0	0	0	0	0	0	0	1700	0	1	1	31	99	51	12	0	0	0	0	0	0	0	28.4	31.8	63	32.3	12	6.2	0	0	0
1800	173	1	160	1	9	1	0	0	1	0	0	0	1800	0	0	8	28	85	42	9	1	0	0	0	0	0	0	28	31.8	52	30.1	10	5.8	0	0	0
1900	113	1	108	0	4	0	0	0	0	0	0	0	1900	0	1	2	30	45	21	11	3	0	0	0	0	0	0	28.1	34.2	35	31	14	12.4	0	0	0
2000	43	0	41	0	2	0	0	0	0	0	0	0	2000	0	0	3	6	15	15	2	2	0	0	0	0	0	0	29.2	34	19	44.2	4	9.3	0	0	0
2100	29	1	28	0	0	0	0	0	0	0	0	0	2100	1	0	2	4	11	7	3	1	0	0	0	0	0	0	28.1	33.1	11	37.9	4	13.8	0	0	0
2200	37	1	36	0	0	0	0	0	0	0	0	0	2200	0	1	0	3	17	12	4	0	0	0	0	0	0	0	29.2	31.8	16	43.2	4	10.8	0	0	0

2300	26	1	25	0	0	0	0	0	0	0	0	2300	0	1	0	2	11	7	3	2	0	0	0	0	0	0	29.9	35.6	12	46.2	5	19.2	0	0
07-19	1861	20	1710	2	123	4	0	0	1	1	0	07-19	4	27	54	424	848	415	82	6	0	1	0	0	0	0	27.4	31.8	504	27.1	89	4.8	1	0.1
06-22	2054	23	1892	2	131	4	0	0	1	1	0	06-22	5	28	63	464	922	460	99	12	0	1	0	0	0	0	27.5	31.8	572	27.8	112	5.5	1	0
06-00	2117	25	1953	2	131	4	0	0	1	1	0	06-00	5	30	63	469	950	479	106	14	0	1	0	0	0	0	27.6	31.8	600	28.3	121	5.7	1	0
00-00	2128	25	1963	2	132	4	0	0	1	1	0	00-00	5	30	63	471	954	484	106	14	0	1	0	0	0	0	27.6	32	605	28.4	121	5.7	1	0

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	17	0	17	0	0	0	0	0	0	0	0	0	0000	1	0	0	4	9	2	1	0	0	0	0	0	0	0	26.6	29.5	3	17.6	1	5.9	0	0
0100	2	0	2	0	0	0	0	0	0	0	0	0	0100	0	0	0	0	2	0	0	0	0	0	0	0	0	29.4	-	0	0	0	0	0	0	
0200	4	1	3	0	0	0	0	0	0	0	0	0	0200	0	0	0	1	2	1	0	0	0	0	0	0	0	27.1	-	1	25	0	0	0	0	
0300	0	0	0	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	
0400	2	0	2	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	1	1	0	0	0	0	0	0	0	30.1	-	1	50	0	0	0	0	
0500	2	0	2	0	0	0	0	0	0	0	0	0	0500	0	0	0	0	2	0	0	0	0	0	0	0	0	26	-	0	0	0	0	0	0	
0600	9	0	9	0	0	0	0	0	0	0	0	0	0600	0	0	0	1	0	3	4	1	0	0	0	0	0	34.7	-	8	88.9	5	55.6	0	0	
0700	38	0	33	0	4	1	0	0	0	0	0	0	0700	0	2	0	6	11	16	2	1	0	0	0	0	0	28.9	33.8	19	50	3	7.9	0	0	
0800	85	3	76	0	6	0	0	0	0	0	0	0	0800	2	4	2	16	37	19	5	0	0	0	0	0	0	26.8	33.1	24	28.2	5	5.9	0	0	
0900	133	1	121	1	8	0	1	1	0	0	0	0	0900	1	3	3	35	60	24	7	0	0	0	0	0	0	26.9	31.3	31	23.3	7	5.3	0	0	
1000	144	4	135	0	5	0	0	0	0	0	0	0	1000	2	3	3	40	63	26	7	0	0	0	0	0	0	26.8	31.1	33	22.9	7	4.9	0	0	
1100	142	3	134	0	5	0	0	0	0	0	0	0	1100	1	2	14	45	57	19	3	1	0	0	0	0	0	25.6	30	23	16.2	4	2.8	0	0	
1200	168	2	157	1	6	0	1	0	0	0	1	1	1200	1	2	5	39	84	33	4	0	0	0	0	0	0	26.9	30.9	37	22	4	2.4	0	0	
1300	160	1	153	1	5	0	0	0	0	0	0	0	1300	0	2	5	31	61	54	7	0	0	0	0	0	0	28.2	32.7	61	38.1	7	4.4	0	0	
1400	142	0	137	1	4	0	0	0	0	0	0	0	1400	0	0	4	39	63	27	7	2	0	0	0	0	0	27.5	31.5	36	25.4	9	6.3	0	0	
1500	166	4	158	0	3	1	0	0	0	0	0	0	1500	0	4	5	31	63	49	10	4	0	0	0	0	0	28.4	32.9	63	38	14	8.4	0	0	
1600	139	6	124	1	8	0	0	0	0	0	0	0	1600	0	2	9	27	55	40	4	2	0	0	0	0	0	27.6	32.2	46	33.1	6	4.3	0	0	
1700	126	2	119	0	5	0	0	0	0	0	0	0	1700	0	1	0	13	57	43	11	1	0	0	0	0	0	29.4	34.2	55	43.7	12	9.5	0	0	
1800	112	0	106	0	6	0	0	0	0	0	0	0	1800	1	0	0	17	59	24	7	4	0	0	0	0	0	28.7	33.1	35	31.3	11	9.8	0	0	
1900	106	0	102	0	4	0	0	0	0	0	0	0	1900	0	0	3	28	48	23	3	1	0	0	0	0	0	27.4	31.8	27	25.5	4	3.8	0	0	
2000	41	0	39	1	1	0	0	0	0	0	0	0	2000	0	0	1	5	16	15	4	0	0	0	0	0	0	29.5	32.9	19	46.3	4	9.8	0	0	
2100	40	0	38	0	2	0	0	0	0	0	0	0	2100	0	0	1	4	24	9	2	0	0	0	0	0	0	28.5	32	11	27.5	2	5	0	0	
2200	24	0	23	0	1	0	0	0	0	0	0	0	2200	0	0	0	5	5	8	4	2	0	0	0	0	0	31.3	37.1	14	58.3	6	25	0	0	
2300	27	1	26	0	0	0	0	0	0	0	0	0	2300	0	0	0	1	14	8	2	2	0	0	0	0	0	30.7	34.7	12	44.4	4	14.8	0	0	
07-19	1555	26	1453	5	65	2	2	1	0	0	1	1	07-19	8	25	50	339	670	374	74	15	0	0	0	0	0	0	27.6	32.2	463	29.8	89	5.7	0	0
06-22	1751	26	1641	6	72	2	2	1	0	0	1	1	06-22	8	25	55	377	758	424	87	17	0	0	0	0	0	0	27.7	32.2	528	30.2	104	5.9	0	0
06-00	1802	27	1690	6	73	2	2	1	0	0	1	1	06-00	8	25	55	383	777	440	93	21	0	0	0	0	0	0	27.8	32.4	554	30.7	114	6.3	0	0
00-00	1829	28	1716	6	73	2	2	1	0	0	1	1	00-00	9	25	55	388	793	444	94	21	0	0	0	0	0	0	27.7	32.4	559	30.6	115	6.3	0	0

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Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	19	1	18	0	0	0	0	0	0	0	0	0	0000	0	0	0	1	4	10	1	2	1	0	0	0	0	0	32.5	37.6	14	73.7	4	21.1	1	5.3
0100	6	0	6	0	0	0	0	0	0	0	0	0	0100	0	0	0	0	3	3	0	0	0	0	0	0	0	0	30.7	-	3	50	0	0	0	0
0200	4	0	3	0	1	0	0	0	0	0	0	0	0200	0	0	0	2	0	1	0	1	0	0	0	0	0	0	29.7	-	2	50	1	25	0	0
0300	1	0	1	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	1	0	0	0	0	0	0	0	0	0	27.5	-	0	0	0	0	0	0
0400	0	0	0	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0
0500	1	0	0	0	1	0	0	0	0	0	0	0	0500	0	0	0	0	1	0	0	0	0	0	0	0	0	0	29.1	-	0	0	0	0	0	0
0600	6	0	6	0	0	0	0	0	0	0	0	0	0600	0	0	0	1	1	3	1	0	0	0	0	0	0	0	30.5	-	4	66.7	1	16.7	0	0
0700	39	1	38	0	0	0	0	0	0	0	0	0	0700	0	1	0	4	7	12	13	0	2	0	0	0	0	0	32.5	37.6	27	69.2	15	38.5	2	5.1
0800	56	2	51	1	2	0	0	0	0	0	0	0	0800	0	3	2	9	28	8	5	1	0	0	0	0	0	0	27.3	31.5	14	25	6	10.7	0	0
0900	63	2	59	0	2	0	0	0	0	0	0	0	0900	0	1	3	8	30	15	4	1	1	0	0	0	0	0	28.6	33.6	21	33.3	6	9.5	1	1.6
1000	115	2	111	0	1	0	1	0	0	0	0	0	1000	1	1	3	23	50	28	8	1	0	0	0	0	0	0	28.2	32.7	37	32.2	9	7.8	0	0
1100	140	3	131	1	5	0	0	0	0	0	0	0	1100	2	1	7	25	70	29	5	1	0	0	0	0	0	0	27.2	30.9	35	25	6	4.3	0	0

1200	131	2	126	0	3	0	0	0	0	0	0	1200	0	0	3	25	63	33	6	0	1	0	0	0	0	28.4	32.2	40	30.5	7	5.3	1	0.8
1300	154	5	144	1	4	0	0	0	0	0	0	1300	1	2	7	26	62	46	6	4	0	0	0	0	0	28.1	32.4	56	36.4	10	6.5	0	0
1400	133	3	124	1	4	0	1	0	0	0	0	1400	1	5	2	25	62	32	4	2	0	0	0	0	0	27.3	32.4	38	28.6	6	4.5	0	0
1500	124	1	120	0	3	0	0	0	0	0	0	1500	4	3	3	12	61	30	10	1	0	0	0	0	0	27.8	32.9	41	33.1	11	8.9	0	0
1600	99	2	89	2	6	0	0	0	0	0	0	1600	0	2	2	18	38	28	11	0	0	0	0	0	0	28.8	33.1	39	39.4	11	11.1	0	0
1700	82	6	72	0	4	0	0	0	0	0	0	1700	1	2	2	7	35	30	4	0	1	0	0	0	0	28.8	33.1	35	42.7	5	6.1	1	1.2
1800	76	2	71	0	3	0	0	0	0	0	0	1800	0	0	0	10	31	30	5	0	0	0	0	0	0	29.5	33.8	35	46.1	5	6.6	0	0
1900	64	0	64	0	0	0	0	0	0	0	0	1900	0	0	1	13	18	22	9	1	0	0	0	0	0	29.7	34.4	32	50	10	15.6	0	0
2000	46	0	45	0	1	0	0	0	0	0	0	2000	0	0	4	0	18	15	8	1	0	0	0	0	0	30.3	35.8	24	52.2	9	19.6	0	0
2100	26	0	26	0	0	0	0	0	0	0	0	2100	0	1	0	6	7	7	4	0	0	1	0	0	0	29.5	35.8	12	46.2	5	19.2	1	3.8
2200	9	0	9	0	0	0	0	0	0	0	0	2200	0	0	0	0	4	4	1	0	0	0	0	0	0	31.9 -		5	55.6	1	11.1	0	0
2300	11	0	11	0	0	0	0	0	0	0	0	2300	0	0	0	0	4	5	1	1	0	0	0	0	0	30.6	33.8	7	63.6	2	18.2	0	0
07-19	1212	31	1136	6	37	0	2	0	0	0	0	07-19	10	21	34	192	537	321	81	11	5	0	0	0	0	28.2	32.9	418	34.5	97	8	5	0.4
06-22	1354	31	1277	6	38	0	2	0	0	0	0	06-22	10	22	39	212	581	368	103	13	5	1	0	0	0	28.4	33.3	490	36.2	122	9	6	0.4
06-00	1374	31	1297	6	38	0	2	0	0	0	0	06-00	10	22	39	212	589	377	105	14	5	1	0	0	0	28.5	33.3	502	36.5	125	9.1	6	0.4
00-00	1405	32	1325	6	40	0	2	0	0	0	0	00-00	10	22	39	215	598	391	106	17	6	1	0	0	0	28.5	33.3	521	37.1	130	9.3	7	0.5

Virtual Day (7)

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
0000	11	0	10	0	0	0	0	0	0	0	0	0	0000	0	0	0	1	3	4	1	1	0	0	0	0	0	0	31	37.1	6	55.4	2	20.3	0	2.7
0100	2	0	2	0	0	0	0	0	0	0	0	0	0100	0	0	0	0	1	1	0	0	0	0	0	0	0	0	32.1	-	1	53.3	0	13.3	0	6.7
0200	2	0	2	0	0	0	0	0	0	0	0	0	0200	0	0	0	1	0	0	0	0	0	0	0	0	0	0	27.3	-	1	30.8	0	7.7	0	0
0300	0	0	0	0	0	0	0	0	0	0	0	0	0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.2	-	0	33.3	0	33.3	0	0
0400	1	0	1	0	0	0	0	0	0	0	0	0	0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.5	-	1	57.1	0	14.3	0	0
0500	3	0	2	0	1	0	0	0	0	0	0	0	0500	0	0	0	1	2	0	0	0	0	0	0	0	0	0	27.8	-	1	20	0	10	0	5
0600	12	1	10	0	1	0	0	0	0	0	0	0	0600	0	0	1	2	3	4	1	0	0	0	0	0	0	0	29.1	34.4	6	47.6	2	14.3	0	0
0700	61	3	53	0	4	0	0	0	0	0	0	0	0700	0	2	2	11	20	19	5	0	0	0	0	0	0	0	28.4	33.6	25	41.7	6	9.9	0	0.7
0800	110	2	99	1	8	1	0	0	0	0	0	0	0800	1	3	3	20	47	28	8	1	0	0	0	0	0	0	27.8	33.3	36	33	9	7.9	0	0.1
0900	131	2	117	1	11	0	0	0	0	0	0	0	0900	0	2	4	34	60	26	4	0	0	0	0	0	0	0	27	31.3	31	23.8	5	3.6	0	0.1
1000	132	2	119	1	9	1	0	0	0	0	0	0	1000	1	2	6	35	56	25	5	0	0	0	0	0	0	0	26.8	31.3	31	23.6	6	4.2	0	0.1
1100	155	3	141	0	9	0	0	0	0	0	0	0	1100	1	3	7	40	72	26	4	1	0	0	0	0	0	0	26.5	30.6	31	20	5	3	0	0.1
1200	167	3	153	1	10	0	0	0	0	0	0	0	1200	1	3	8	46	75	30	4	0	0	0	0	0	0	0	26.4	30.9	34	20.2	4	2.6	0	0.1
1300	156	3	141	0	11	0	0	0	0	0	0	0	1300	1	2	8	38	62	37	5	1	0	0	0	0	0	0	27.1	31.8	44	28.1	6	4	0	0.2
1400	140	2	128	1	8	0	0	0	0	0	0	0	1400	1	3	6	39	60	24	5	1	0	0	0	0	0	0	26.4	31.1	30	21.5	6	4	0	0
1500	166	2	154	0	9	0	0	0	0	0	0	0	1500	1	3	4	35	77	37	6	1	0	0	0	0	0	0	27.3	31.8	45	26.9	7	4.4	0	0
1600	170	3	156	1	11	0	0	0	0	0	0	0	1600	0	2	6	31	78	44	8	1	0	0	0	0	0	0	27.9	32	53	31.1	9	5.4	0	0
1700	160	2	152	0	6	0	0	0	0	0	0	0	1700	0	2	3	24	72	47	10	1	0	0	0	0	0	0	28.5	32.4	59	36.6	12	7.2	0	0.1
1800	139	2	131	0	5	0	0	0	0	0	0	0	1800	0	0	2	21	63	40	10	1	0	0	0	0	0	0	28.8	33.1	51	36.9	11	8.2	0	0
1900	99	0	95	0	3	0	0	0	0	0	0	0	1900	0	0	2	23	40	25	7	1	0	0	0	0	0	0	28.2	33.1	33	33.2	8	8.3	0	0.4
2000	55	1	53	0	2	0	0	0	0	0	0	0	2000	0	0	2	6	22	19	5	2	0	0	0	0	0	0	29.7	34.2	26	46.4	7	12.7	0	0
2100	43	1	40	0	2	0	0	0	0	0	0	0	2100	0	1	1	5	19	13	4	0	0	0	0	0	0	0	29.1	33.6	17	39.6	4	9.7	0	0.7
2200	29	1	28	0	0	0	0	0	0	0	0	0	2200	0	1	0	3	13	9	3	1	0	0	0	0	0	0	30	34.4	13	44.1	4	12.7	0	1.5
2300	17	0	17	0	0	0	0	0	0	0	0	0	2300	0	0	0	1	8	4	3	1	0	0	0	0	0	0	30.8	36.9	8	48.3	4	23.3	0	0.8
07-19	1685	30	1542	6	102	3	1	1	1	0	0	0	07-19	9	28	61	375	742	384	75	9	1	0	0	0	0	0	27.4	32	470	27.9	85	5.1	2	0.1
06-22	1893	32	1740	6	110	3	1	1	1	0	0	0	06-22	9	30	66	412	826	444	92	12	2	1	0	0	0	0	27.5	32.2	550	29.1	106	5.6	2	0.1
06-00	1940	34	1784	6	110	3	1	1	1	0	0	0	06-00	9	30	67	416	846	458	97	14	2	1	0	0	0	0	27.6	32.2	572	29.5	114	5.9	3	0.1
00-00	1959	34	1801	6	111	3	1	1	1	0	0	0	00-00	9	30	67	419	853	463	99	15	2	1	0	0	0	0	27.6	32.2	580	29.6	117	6	3	0.2

Virtual Week (1)

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
Mon	2017	33	1846	7	125	2	0	3	0	0	1		Mon	11	35	51	439	913	454	97	15	1	1	0	0	0	0	27.6	32.2	568	28.2	114	5.7	2	0.1

Tue	2154	44	1961	4	140	2	1	1	1	0	0	Tue	7	40	69	457	971	510	87	8	3	2	0	0	0	0	27.5	32	610	28.3	100	4.6	5	0.2
Wed	2144	53	1936	8	139	5	0	1	1	0	1	Wed	18	38	91	488	877	517	97	13	2	2	0	0	0	0	27.4	32	632	29.5	115	5.4	5	0.2
Thu	2033	26	1858	9	130	5	2	1	2	0	0	Thu	4	22	99	474	866	443	105	16	3	1	0	0	0	0	27.4	32	568	27.9	125	6.1	4	0.2
Fri	2128	25	1963	2	132	4	0	0	1	1	0	Fri	5	30	63	471	954	484	106	14	0	1	0	0	0	0	27.6	32	605	28.4	121	5.7	1	0
Sat	1829	28	1716	6	73	2	2	1	0	0	1	Sat	9	25	55	388	793	444	94	21	0	0	0	0	0	0	27.7	32.4	559	30.6	115	6.3	0	0
Sun	1405	32	1325	6	40	0	2	0	0	0	0	Sun	10	22	39	215	598	391	106	17	6	1	0	0	0	0	28.5	33.3	521	37.1	130	9.3	7	0.5
--	####	241	####	42	779	20	7	7	5	1	3	--	64	212	467	2932	5972	3243	692	104	15	8	0	0	0	0	27.6	32.2	4063	29.6	820	6	24	0.2

Grand Total

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Fix1	Time	Vbin 0 10	Vbin 10 15	Vbin 15 20	Vbin 20 25	Vbin 25 30	Vbin 30 35	Vbin 35 40	Vbin 40 45	Vbin 45 50	Vbin 50 60	Vbin 60 70	Vbin 70 80	Vbin 80 90	Vbin 90 100	Mean	Vpp 85	JPSL 30	JPSL% 30	JSL1 35 ACPO	JSL1% 35 ACPO	JSL2 45 DFT	JSL2% 45 DFT
--	####	241	####	42	779	20	7	7	5	1	3	--	64	212	467	2932	5972	3243	692	104	15	8	0	0	0	0	27.6	32.2	4063	29.6	820	6	24	0.2	

APPENDIX B

Proposed Site Layout Plan



- | | |
|---|--|
|  | Site Boundary |
|  | Proposed New Homes |
|  | Proposed Light Industry |
|  | Proposed Pumping Station |
|  | Existing Trees and Road Protection Areas (RPA) |
|  | Proposed Landscaping |
|  | Existing & Proposed Surface Water Drainage Ditches |
|  | Proposed Dry Stone Water Attenuation Basin |
|  | Proposed Vehicular Access |
|  | Potential Future Pedestrian Access |
|  | Potential Maintenance Access to drainage ditches |

D	03.05.13	DP	Layout amended to include drainage strategy
C	04.03.13	DP	Layout amended to include larger house types
B	27.02.13	DP	Layout amended to include central courtyard
A	21.02.13	DP	Reduce open space & increased number of

CSa
consultants & planners

Oliver Bann,
High Street, Actonville,
Harrowdon, SS17 9HT
t 01462 749647
f 01462 749648
e actonville@csaonline.com

Title	Illustrative Masterplan
Client	Hayling Island Builders Limited

Scale & Size	1:5000 A1	Drawn	DP
Date	May 2013	Checked	C-6
Drawing Number	CS-2128103	Retain	D

APPENDIX C

Proposed Access Plan

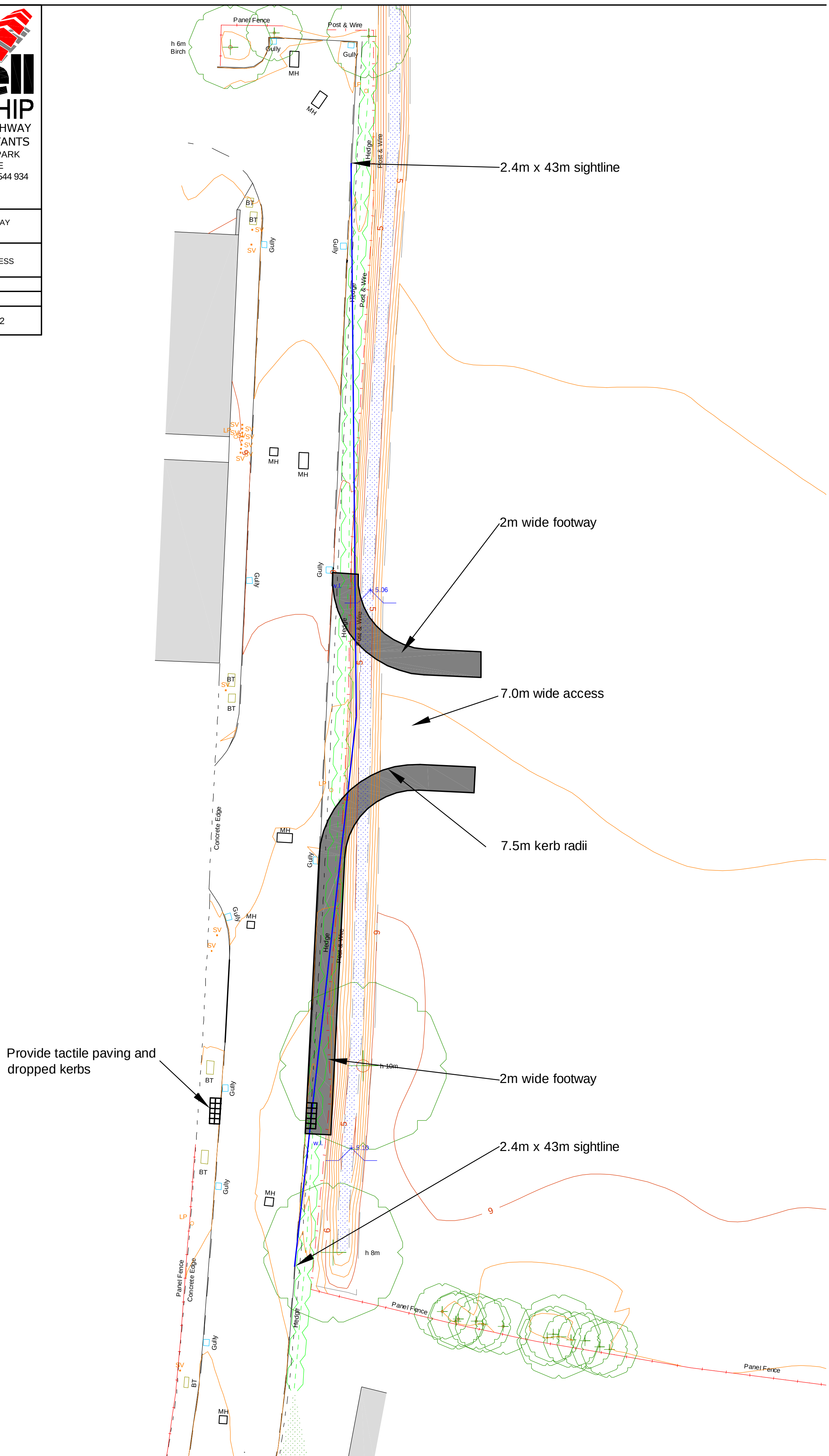


PROJECT: STATION ROAD / FURNISS WAY
HAYLING ISLAND

TITLE:
PROPOSED INDUSTRIAL ACCESS

SCALE: 1:500 @ A2	DRAWN: CV
DATE: MAY 2013	CHECKED:

DWG No: TSP/GDC/P2415/02



APPENDIX D

Autotrack Swept Path Analysis



THIS IS A CONTROLLED DOCUMENT

REV	DESCRIPTION	DATE

Stilwell
PARTNERSHIP
 SAFETY, TRAFFIC & HIGHWAY
 ENGINEERING CONSULTANTS
 SATELLITE HOUSE, 2 NEXUS PARK
 ASH VALE, SURREY, GU12 5QE
 Tel: 01276 700400, Fax: 01252 544 934
 E-Mail: info@stilwell-ttd.co.uk
 Web: www.stilwell-ttd.co.uk

PROJECT: STATION ROAD / FURNISS WAY
 HAYLING ISLAND

TITLE: SWEEP PATHS
 APPENDIX D

SCALE: 1:1000 AS UNLESS STATED DRAWN: KM
 DATE: MAY 2012 CHECKED:

DWG No: TSP/GDC/P2415/04

APPENDIX E

TRICs Data

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED

VEHICLESSelected regions and areas:**01 GREATER LONDON**

BT BRENT 1 days

WF WALTHAM FOREST 1 days

02 SOUTH EAST

BD BEDFORDSHIRE 2 days

HF HERTFORDSHIRE 1 days

03 SOUTH WEST

CW CORNWALL 1 days

DC DORSET 1 days

GS GLOUCESTERSHIRE 1 days

WL WILTSHIRE 1 days

04 EAST ANGLIA

SF SUFFOLK 2 days

05 EAST MIDLANDS

LN LINCOLNSHIRE 2 days

NT NOTTINGHAMSHIRE 1 days

06 WEST MIDLANDS

WM WEST MIDLANDS 2 days

WO WORCESTERSHIRE 1 days

07 YORKSHIRE & NORTH LINCOLNSHIRE

NY NORTH YORKSHIRE 2 days

08 NORTH WEST

CH CHESHIRE 3 days

LC LANCASHIRE 2 days

10 WALES

CF CARDIFF 1 days

WR WREXHAM 1 days

11 SCOTLAND

EA EAST AYRSHIRE 1 days

FI FIFE 2 days

HI HIGHLAND 1 days

SR STIRLING 1 days

12 CONNAUGHT

GA GALWAY 2 days

Main parameter selection:

Parameter: Number of dwellings
Range: 51 to 196 (units:)

Date Range: 01/01/04 to 19/10/08

Selected survey days:

Monday	10 days
Tuesday	11 days
Wednesday	4 days
Thursday	2 days
Friday	3 days
Sunday	3 days

Selected survey types:

Manual count	33 days
Directional ATC Count	0 days

Selected Locations:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	16
Edge of Town	15

Selected Location Sub Categories:

Residential Zone	26
Built-Up Zone	1
Out of Town	1
No Sub Category	5

Optional parameter selection:

Use Class:

C3	33 days
----	---------

Population within 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	7 days
10,001 to 15,000	6 days
15,001 to 20,000	9 days
20,001 to 25,000	1 days
25,001 to 50,000	8 days
50,001 to 100,000	1 days

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	6 days
50,001 to 75,000	4 days
75,001 to 100,000	2 days
100,001 to 125,000	6 days
125,001 to 250,000	9 days
250,001 to 500,000	3 days
500,001 or More	2 days

Car ownership within 5 miles:

0.5 or Less	2 days
0.6 to 1.0	12 days
1.1 to 1.5	19 days

Travel Plan:

No	33 days
----	---------

LIST OF SITES relevant to selection parameters

1	BD-03-A-01	SEMI DETACHED, LUTON	BEDFORDSHIRE
	NEW BEDFORD ROAD		
	LUTON		
	Total Number of dwellings:	131	
	Survey date: THURSDAY	08/07/04	Survey Type: MANUAL
2	BD-03-A-02	SEMI DETACHED, LUTON	BEDFORDSHIRE
	RIDDY LANE		
	LUTON		
	Total Number of dwellings:	82	
	Survey date: TUESDAY	06/07/04	Survey Type: MANUAL
3	BT-03-A-01	SEMI DETACHED, BRENT	BRENT
	KENTON ROAD		
	BRENT		
	Total Number of dwellings:	82	
	Survey date: TUESDAY	20/11/07	Survey Type: MANUAL
4	CF-03-A-02	MIXED HOUSES, CARDIFF	CARDIFF
	DROPE ROAD		
	CARDIFF		
	Total Number of dwellings:	196	
	Survey date: FRIDAY	05/10/07	Survey Type: MANUAL
5	CH-03-A-02	HOUSES/FLATS, CREWE	CHESHIRE
	SYDNEY ROAD		
	CREWE		
	Total Number of dwellings:	174	
	Survey date: TUESDAY	14/10/08	Survey Type: MANUAL
6	CH-03-A-03	SEMI-DETACHED, CREWE	CHESHIRE
	SPRING GARDENS		
	CREWE		
	Total Number of dwellings:	80	
	Survey date: SUNDAY	19/10/08	Survey Type: MANUAL
7	CH-03-A-06	SEMI-DET./BUNGALOWS, CREWE	CHESHIRE
	CREWE ROAD		
	CREWE		
	Total Number of dwellings:	129	
	Survey date: TUESDAY	14/10/08	Survey Type: MANUAL
8	CW-03-A-02	SEMI D./DETACHED, TRURO	CORNWALL
	BOSVEAN GARDENS		
	TRURO		
	Total Number of dwellings:	73	
	Survey date: TUESDAY	18/09/07	Survey Type: MANUAL
9	DC-03-A-01	DETACHED, POOLE	DORSET
	ISAACS CLOSE		
	POOLE		
	Total Number of dwellings:	51	
	Survey date: WEDNESDAY	16/07/08	Survey Type: MANUAL
10	EA-03-A-02	DETACHED, STEWARTON	EAST AYRSHIRE
	DALRY ROAD		
	STEWARTON		
	Total Number of dwellings:	65	
	Survey date: SUNDAY	22/06/08	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

11	FI-03-A-02	SEMI DETACHED, GLENROTHES	FIFE
	WAROUT ROAD		
	GLENROTHES		
	Total Number of dwellings:	58	
	Survey date: MONDAY	16/05/05	Survey Type: MANUAL
12	FI-03-A-03	MIXED HOUSES, DUNFERMLINE	FIFE
	WOODMILL ROAD		
	DUNFERMLINE		
	Total Number of dwellings:	155	
	Survey date: MONDAY	30/04/07	Survey Type: MANUAL
13	GA-03-A-01	SEMI DETACHED, GALWAY	GALWAY
	HEADFORD ROAD		
	KNOCKAYARRAGH		
	GALWAY		
	Total Number of dwellings:	123	
	Survey date: WEDNESDAY	20/09/06	Survey Type: MANUAL
14	GA-03-A-02	TERRACED, GALWAY	GALWAY
	BOHERMORE		
	TOWNPARKS		
	GALWAY		
	Total Number of dwellings:	185	
	Survey date: TUESDAY	19/09/06	Survey Type: MANUAL
15	GS-03-A-01	SEMI D./TERRACED, GLOUCESTER	GLOUCESTERSHIRE
	KINGSHOLM ROAD		
	KINGSHOLM		
	GLOUCESTER		
	Total Number of dwellings:	73	
	Survey date: TUESDAY	25/05/04	Survey Type: MANUAL
16	HF-03-A-02	HOUSES, WELWYN GDN. CITY	HERTFORDSHIRE
	BLACK FAN ROAD		
	PANSHANGER		
	WELWYN GARDEN CITY		
	Total Number of dwellings:	195	
	Survey date: SUNDAY	20/07/08	Survey Type: MANUAL
17	HI-03-A-11	BUNGALOWS, INVERNESS	HIGHLAND
	STEVENSON ROAD		
	INSHES		
	INVERNESS		
	Total Number of dwellings:	85	
	Survey date: MONDAY	05/06/06	Survey Type: MANUAL
18	LC-03-A-22	BUNGALOWS, BLACKPOOL	LANCASHIRE
	CLIFTON DRIVE NORTH		
	BLACKPOOL		
	Total Number of dwellings:	98	
	Survey date: TUESDAY	18/10/05	Survey Type: MANUAL
19	LC-03-A-29	DETACHED/SEMI D., BLACKBURN	LANCASHIRE
	REVIDGE ROAD		
	FOUR LANE ENDS		
	BLACKBURN		
	Total Number of dwellings:	185	
	Survey date: THURSDAY	10/06/04	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

20	LN-03-A-01	MIXED HOUSES, LINCOLN	LINCOLNSHIRE
	BRANT ROAD		
	BRACEBRIDGE		
	LINCOLN		
	Total Number of dwellings:	150	
	Survey date: TUESDAY	15/05/07	Survey Type: MANUAL
21	LN-03-A-02	MIXED HOUSES, LINCOLN	LINCOLNSHIRE
	HYKEHAM ROAD		
	LINCOLN		
	Total Number of dwellings:	186	
	Survey date: MONDAY	14/05/07	Survey Type: MANUAL
22	NT-03-A-03	SEMI DETACHED, KIRKBY-IN-ASHFD	NOTTINGHAMSHIRE
	B6018 SUTTON ROAD		
	KIRKBY-IN-ASHFIELD		
	Total Number of dwellings:	166	
	Survey date: WEDNESDAY	28/06/06	Survey Type: MANUAL
23	NY-03-A-01	MIXED HOUSES, NORTHALLERTON	NORTH YORKSHIRE
	GRAMMAR SCHOOL LANE		
	NORTHALLERTON		
	Total Number of dwellings:	52	
	Survey date: TUESDAY	25/09/07	Survey Type: MANUAL
24	NY-03-A-05	HOUSES AND FLATS, RIPON	NORTH YORKSHIRE
	BOROUGHBRIDGE ROAD		
	RIPON		
	Total Number of dwellings:	71	
	Survey date: MONDAY	22/09/08	Survey Type: MANUAL
25	SF-03-A-01	SEMI DETACHED, IPSWICH	SUFFOLK
	A1156 FELIXSTOWE ROAD		
	RACECOURSE		
	IPSWICH		
	Total Number of dwellings:	77	
	Survey date: WEDNESDAY	23/05/07	Survey Type: MANUAL
26	SF-03-A-03	MIXED HOUSES, BURY ST EDMDS	SUFFOLK
	BARTON HILL		
	FORNHAM ST MARTIN		
	BURY ST EDMUNDS		
	Total Number of dwellings:	101	
	Survey date: MONDAY	15/05/06	Survey Type: MANUAL
27	SR-03-A-01	DETACHED, STIRLING	STIRLING
	BENVIEW		
	STIRLING		
	Total Number of dwellings:	115	
	Survey date: MONDAY	23/04/07	Survey Type: MANUAL
28	WF-03-A-01	TERRACED, WALTHAMSTOW	WALTHAM FOREST
	CLEVELAND PARK AVENUE		
	WALTHAMSTOW		
	Total Number of dwellings:	53	
	Survey date: TUESDAY	30/01/07	Survey Type: MANUAL
29	WL-03-A-01	SEMI D./TERRACED W. BASSETT	WILTSHIRE
	MAPLE DRIVE		
	WOOTTON BASSETT		
	Total Number of dwellings:	99	
	Survey date: MONDAY	02/10/06	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

30	WM-03-A-01	TERRACED, COVENTRY	WEST MIDLANDS
	FOLESHILL ROAD		
	FOLESHILL		
	COVENTRY		
	Total Number of dwellings:	79	
	Survey date: FRIDAY	03/02/06	Survey Type: MANUAL
31	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS
	BASELEY WAY		
	ROWLEYS GREEN		
	COVENTRY		
	Total Number of dwellings:	84	
	Survey date: MONDAY	24/09/07	Survey Type: MANUAL
32	WO-03-A-03	DETACHED, KIDDERMINSTER	WORCESTERSHIRE
	BLAKEBROOK		
	BLAKEBROOK		
	KIDDERMINSTER		
	Total Number of dwellings:	138	
	Survey date: FRIDAY	05/05/06	Survey Type: MANUAL
33	WR-03-A-01	SEMI DETACHED, WREXHAM	WREXHAM
	MOLD ROAD		
	RHOSDDU		
	WREXHAM		
	Total Number of dwellings:	82	
	Survey date: MONDAY	05/07/04	Survey Type: MANUAL

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	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	33	111	0.072	33	111	0.271	33	111	0.343
08:00 - 09:00	33	111	0.146	33	111	0.386	33	111	0.532
09:00 - 10:00	33	111	0.176	33	111	0.225	33	111	0.401
10:00 - 11:00	33	111	0.154	33	111	0.184	33	111	0.338
11:00 - 12:00	33	111	0.193	33	111	0.192	33	111	0.385
12:00 - 13:00	33	111	0.218	33	111	0.194	33	111	0.412
13:00 - 14:00	33	111	0.203	33	111	0.192	33	111	0.395
14:00 - 15:00	33	111	0.205	33	111	0.208	33	111	0.413
15:00 - 16:00	33	111	0.276	33	111	0.206	33	111	0.482
16:00 - 17:00	33	111	0.327	33	111	0.209	33	111	0.536
17:00 - 18:00	33	111	0.376	33	111	0.237	33	111	0.613
18:00 - 19:00	33	111	0.273	33	111	0.230	33	111	0.503
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			2.619			2.734			5.353

Parameter summary

Trip rate parameter range selected:	51 - 196 (units:)
Survey date date range:	01/01/04 - 19/10/08
Number of weekdays (Monday-Friday):	30
Number of Saturdays:	0
Number of Sundays:	3
Optional parameters used in selection:	NO
Surveys manually removed from selection:	0

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

03 SOUTH WEST	
DV DEVON	3 days
06 WEST MIDLANDS	
WM WEST MIDLANDS	1 days
11 SCOTLAND	
EB CITY OF EDINBURGH	1 days

Main parameter selection:

Parameter: Gross floor area
 Range: 708 to 3154 (units: sqm)

Date Range: 01/01/91 to 24/03/00

Selected survey days:

Thursday	3 days
Friday	2 days

Selected survey types:

Manual count	5 days
One way ATC count	0 days

Optional parameter selection:Use Class:

B1	4 days
B2	1 days

Location:

Suburban Area	1 days
Edge of Town	1 days
Free Standing	1 days
Commercial Zone	1 days
Industrial Zone	1 days

Population within 1 mile:

1,000 or Less	1 days
5,001 to 10,000	2 days
10,001 to 15,000	1 days
15,001 to 20,000	1 days

Population within 5 miles:

5,000 or Less	1 days
100,001 to 125,000	2 days
125,001 to 250,000	1 days
250,001 to 500,000	1 days

Optional parameter selection (Cont.):Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	3 days
1.1 to 1.5	1 days

Buses/Trains per day (both directions):

<u>Frequency</u>	<u>Per Hour</u>	<u>Per Day</u>	<u>Surveys</u>
Not Known			1 days
0	0	0	0 days
<20 per day	1	20	1 days
20-39 per day	2	40	0 days
40-59 per day	3	60	1 days
60-79 per day	4	80	1 days
80+ per day	> 4	> 80	1 days

LIST OF SITES relevant to selection parameters

- | | | | |
|---|----------------------------------|-----------------------------------|--------------------------|
| 1 | DV-02-D-01 | IND.EST,NEWTON ABBOT | DEVON |
| | SILVERHILLS ROAD | | |
| | NEWTON ABBOT | | |
| | Total Gross floor area: | 1465 sqm | |
| | Survey date: THURSDAY | 18/07/91 | Survey Type: MANUAL |
| 2 | DV-02-D-02 | IND.EST,LAPFORD | DEVON |
| | A377 CREDITON TO BARNSTAPLE ROAD | | |
| | LAPFORD | | |
| | Total Gross floor area: | 1682 sqm | |
| | Survey date: THURSDAY | 01/08/91 | Survey Type: MANUAL |
| 3 | DV-02-D-03 | IND.EST,EXETER | DEVON |
| | BITTERN ROAD | | |
| | EXETER | | |
| | Total Gross floor area: | 708 sqm | |
| | Survey date: THURSDAY | 01/08/91 | Survey Type: MANUAL |
| 4 | EB-02-D-01 | IND.EST,EDINBURGH | CITY OF EDINBURGH |
| | NORTH LEITH SANDS | | |
| | LEITH | | |
| | EDINBURGH | | |
| | Total Gross floor area: | 3154 sqm | |
| | Survey date: FRIDAY | 16/10/92 | Survey Type: MANUAL |
| 5 | WM-02-D-01 | LIGHT INDUSTRY, BIRMINGHAM | WEST MIDLANDS |
| | MELCHETT ROAD | | |
| | KINGS NORTON | | |
| | BIRMINGHAM | | |
| | Total Gross floor area: | 2510 sqm | |
| | Survey date: FRIDAY | 24/03/00 | Survey Type: MANUAL |

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

Calculation factor: 100 sqm**BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30	0	0	0.00	0	0	0.00	0	0	0.00
00:30 - 01:00	0	0	0.00	0	0	0.00	0	0	0.00
01:00 - 01:30	0	0	0.00	0	0	0.00	0	0	0.00
01:30 - 02:00	0	0	0.00	0	0	0.00	0	0	0.00
02:00 - 02:30	0	0	0.00	0	0	0.00	0	0	0.00
02:30 - 03:00	0	0	0.00	0	0	0.00	0	0	0.00
03:00 - 03:30	0	0	0.00	0	0	0.00	0	0	0.00
03:30 - 04:00	0	0	0.00	0	0	0.00	0	0	0.00
04:00 - 04:30	0	0	0.00	0	0	0.00	0	0	0.00
04:30 - 05:00	0	0	0.00	0	0	0.00	0	0	0.00
05:00 - 05:30	0	0	0.00	0	0	0.00	0	0	0.00
05:30 - 06:00	0	0	0.00	0	0	0.00	0	0	0.00
06:00 - 06:30	0	0	0.00	0	0	0.00	0	0	0.00
06:30 - 07:00	0	0	0.00	0	0	0.00	0	0	0.00
07:00 - 07:30	3	1285	0.42	3	1285	0.05	3	1285	0.47
07:30 - 08:00	3	1285	0.34	3	1285	0.08	3	1285	0.42
08:00 - 08:30	5	1904	0.83	5	1904	0.36	5	1904	1.19
08:30 - 09:00	5	1904	0.84	5	1904	0.36	5	1904	1.20
09:00 - 09:30	5	1904	0.67	5	1904	0.49	5	1904	1.16
09:30 - 10:00	5	1904	0.57	5	1904	0.44	5	1904	1.01
10:00 - 10:30	5	1904	0.53	5	1904	0.55	5	1904	1.08
10:30 - 11:00	5	1904	0.56	5	1904	0.60	5	1904	1.16
11:00 - 11:30	5	1904	0.48	5	1904	0.55	5	1904	1.03
11:30 - 12:00	5	1904	0.59	5	1904	0.49	5	1904	1.08
12:00 - 12:30	5	1904	0.55	5	1904	0.50	5	1904	1.05
12:30 - 13:00	5	1904	0.56	5	1904	0.46	5	1904	1.02
13:00 - 13:30	5	1904	0.48	5	1904	0.69	5	1904	1.17
13:30 - 14:00	5	1904	0.48	5	1904	0.64	5	1904	1.12
14:00 - 14:30	5	1904	0.54	5	1904	0.56	5	1904	1.10
14:30 - 15:00	5	1904	0.57	5	1904	0.55	5	1904	1.12
15:00 - 15:30	5	1904	0.58	5	1904	0.49	5	1904	1.07
15:30 - 16:00	5	1904	0.56	5	1904	0.51	5	1904	1.07
16:00 - 16:30	5	1904	0.46	5	1904	0.61	5	1904	1.07
16:30 - 17:00	5	1904	0.42	5	1904	0.67	5	1904	1.09
17:00 - 17:30	5	1904	0.24	5	1904	0.81	5	1904	1.05
17:30 - 18:00	5	1904	0.25	5	1904	0.59	5	1904	0.84
18:00 - 18:30	3	1285	0.29	3	1285	0.34	3	1285	0.63
18:30 - 19:00	3	1285	0.26	3	1285	0.36	3	1285	0.62
19:00 - 19:30	0	0	0.00	0	0	0.00	0	0	0.00
19:30 - 20:00	0	0	0.00	0	0	0.00	0	0	0.00
20:00 - 20:30	0	0	0.00	0	0	0.00	0	0	0.00
20:30 - 21:00	0	0	0.00	0	0	0.00	0	0	0.00
21:00 - 21:30	0	0	0.00	0	0	0.00	0	0	0.00
21:30 - 22:00	0	0	0.00	0	0	0.00	0	0	0.00
22:00 - 22:30	0	0	0.00	0	0	0.00	0	0	0.00
22:30 - 23:00	0	0	0.00	0	0	0.00	0	0	0.00
23:00 - 23:30	0	0	0.00	0	0	0.00	0	0	0.00
23:30 - 24:00	0	0	0.00	0	0	0.00	0	0	0.00
Daily Trip Rates:			12.04				11.76	23.82	

Parameter summary

Trip rate parameter range selected:	708 - 3154 (units: sqm)
Survey date date range:	01/01/91 - 24/03/00
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Optional parameters used in selection:	NO
Surveys manually removed from selection:	0

APPENDIX F

Public Transport Tables

Stagecoach 30

Serving: Havant Bus Station, Solent Road Havant [for Tesco], Woodbury Avenue Langstone, Langstone Avenue, Mill Lane Langstone, Langstone High Street, The Ship Langstone, Langstone Bridge Garage, Finiterre Stoke Common, New Cut Stoke Common, Stoke Common Victoria Road, Northwood Lane Stoke, Stoke Castlemans Lane, Yewtree Stoke, Maypole Stoke, Mill Rythe School, The Oven Campsite Hayling, Brights Lane Newown, Higworth Caravan Park, Newtown Hayling Island, Lexden Gardens West Town, West Lane West Town, West Town Barley Mow, Staunton Avenue West Town, St Thomas Avenue West Town, Beachlands Bus Stand, Staunton Avenue Sea Front, Sea Front Post Office, South Hayling Beachlands, Alexandra Avenue South Hayling, Tudor Close South Hayling, Bound Lane South Hayling, Sea Front Estate, Lifeboat Inn Eastoke, Eastoke Buccaneers, Kittywake Eastoke, Sandy Point Eastoke, Sandy Point Nature Reserve, Eastoke Buccaneers, Rails Lane Eastoke, North Crescent Mengham, Mengam Village Selmore Road, Mengham Corner, Gable Head Church Road, Hayling School, Kings Road Gable Head, Mill Rythe School, Maypole Stoke, Stoke Castlemans Lane, Northwood Lane Stoke, Stoke Common Victoria Road, New Cut Stoke Common, Finiterre Stoke Common, Langstone Bridge Garage, Langstone The Ship, Mill Lane Langstone, Langstone Avenue, Woodbury Avenue Langstone, Solent Road Havant [for Tesco], Havant Bus Station, Oaklands School WHEN OPEN & South Fowns College WHEN OPEN

Phone: Unspecified

Valid: from 01/11

Please check with the service operator before making an important journey.

CV030

Havant - West Hayling - Eastoke - Havant**MON to FRI**

Havant Bus Station	.	06:40	07:00	.	07:35	08:10	08:50	every	15:50
Solent Road Havant [for Tesco]	.	06:40	07:00	.	07:35	08:10	08:50	30	15:50
Woodbury Avenue Langstone	.	06:40	07:00	.	07:35	08:10	08:50	mins	15:50
Langstone Avenue	.	06:41	07:01	.	07:36	08:11	08:51		15:51
Mill Lane Langstone	.	06:41	07:01	.	07:36	08:12	08:52		15:52
Langstone High Street	.	06:42	07:02	.	07:37	08:12	08:52		15:52
The Ship Langstone	.	06:42	07:02	.	07:37	08:13	08:53		15:53
Langstone Bridge Garage	.	06:43	07:03	.	07:38	08:14	08:54		15:54
Finiterre Stoke Common	.	06:44	07:04	.	07:39	08:14	08:54		15:54
New Cut Stoke Common	.	06:44	07:04	.	07:39	08:15	08:55		15:55
Stoke Common Victoria Road	.	06:45	07:05	.	07:40	08:15	08:55		15:55
Northwood Lane Stoke	.	06:46	07:06	.	07:41	08:16	08:56		15:56
Stoke Castlemans Lane	.	06:46	07:06	.	07:41	08:17	08:57		15:57
Yewtree Stoke	.	06:47	07:07	.	07:42	08:18	08:58		15:58
Maypole Stoke	.	06:47	07:07	.	07:42	08:18	08:58		15:58
Mill Rythe School	.	06:49	07:09	07:19	07:44	08:20	09:00		16:00
The Oven Campsite Hayling	.	06:49	07:09	07:19	07:44	08:20	09:00		16:00
Brights Lane Newown	.	06:50	07:10	07:20	07:45	08:21	09:01		16:01
Higworth Caravan Park	.	06:50	07:10	07:20	07:45	08:21	09:01		16:01
Newtown Hayling Island	.	06:50	07:10	07:20	07:45	08:21	09:01		16:01
Lexden Gardens West Town	.	06:51	07:11	07:21	07:46	08:22	09:02		16:02
West Lane West Town	.	06:51	07:11	07:21	07:46	08:22	09:02		16:02
West Town Barley Mow	.	06:52	07:12	07:22	07:47	08:23	09:03		16:03
Staunton Avenue West Town	.	06:53	07:13	07:23	07:48	08:24	09:04		16:04
St Thomas Avenue West Town	.	06:56	07:16	07:26	07:51	08:27	09:07		16:07
Beachlands Bus Stand	.	06:59	07:19	07:29	07:54	08:30	09:10		16:10
Staunton Avenue Sea Front	.	06:59	07:19	07:29	07:54	08:30	09:10		16:10
Sea Front Post Office	.	06:59	07:19	07:29	07:54	08:30	09:10		16:10
South Hayling Beachlands	.	07:00	07:20	07:30	07:55	08:31	09:11		16:11
Alexandra Avenue South Hayling	.	07:01	07:21	07:31	07:56	08:32	09:12		16:12
Tudor Close South Hayling	.	07:01	07:21	07:31	07:56	08:32	09:12		16:12
Bound Lane South Hayling	.	07:01	07:21	07:31	07:56	08:32	09:12		16:12
Sea Front Estate	.	07:02	07:22	07:32	07:57	08:33	09:13		16:13
Lifeboat Inn Eastoke	.	07:02	07:22	07:32	07:57	08:33	09:13		16:13
Eastoke Buccaneers	.	07:03	07:23	07:33	07:58	08:34	09:14		16:14
Kittywake Eastoke	.	07:04	07:24	07:34	07:59	08:35	09:15		16:15
Sandy Point Eastoke	06:34	07:06	07:26	07:36	08:01	08:37	09:17		16:17
Sandy Point Nature Reserve	06:34	07:06	07:26	07:36	08:01	08:37	09:17		16:17
Eastoke Buccaneers	06:37	07:09	07:29	07:39	08:04	08:41	09:21		16:21

Rails Lane Eastoke	06:38	07:10	07:30	07:40	08:05	08:42	09:22	16:22
North Crescent Mengham	06:38	07:10	07:30	07:40	08:05	08:42	09:22	16:22
Mengam Village Selmore Road	06:40	07:12	07:32	07:42	08:07	08:44	09:24	16:24
Mengham Corner	06:41	07:13	07:33	07:43	08:08	08:45	09:25	16:25
Gable Head Church Road	06:42	07:15	07:35	07:45	08:10	08:47	09:27	16:27
Hayling School	06:43	07:15	07:35	07:45	08:10	08:47	09:27	16:27
Kings Road Gable Head	06:43	07:16	07:36	07:46	08:11	08:48	09:28	16:28
Mill Rythe School	06:45	07:18	07:38	07:48	08:13	08:50	09:30	16:30
Maypole Stoke	06:46	07:19	07:39	07:49	08:14	08:51	09:31	16:31
Stoke Castlemans Lane	06:47	07:20	07:41	07:51	08:16	08:52	09:32	16:32
Northwood Lane Stoke	06:47	07:21	07:42	07:52	08:17	08:53	09:33	16:33
Stoke Common Victoria Road	06:48	07:22	07:44	07:54	08:19	08:54	09:34	16:34
New Cut Stoke Common	06:49	07:23	07:45	07:55	08:20	08:55	09:35	16:35
Finiterre Stoke Common	06:50	07:24	07:46	07:56	08:21	08:56	09:36	16:36
Langstone Bridge Garage	06:50	07:24	07:47	07:57	08:22	08:56	09:36	16:36
Langstone The Ship	06:51	07:26	07:49	07:59	08:24	08:58	09:38	16:38
Mill Lane Langstone	06:52	07:26	07:50	08:00	08:25	08:58	09:38	16:38
Langstone Avenue	06:52	07:27	07:51	08:01	08:26	08:59	09:39	16:39
Woodbury Avenue Langstone	06:53	07:28	07:52	08:02	08:27	09:00	09:40	16:40
Solent Road Havant [for Tesco]	06:54	07:28	07:53	08:03	08:28	09:00	09:40	16:40
Havant Bus Station	06:55	07:30	07:55	08:05	08:30	09:02	09:42	16:42
Oaklands School WHEN OPEN	.	.	.	08:26	----	.	.	.
South Fowns College WHEN OPEN	.	.	.	.	08:45	.	.	.

MON to FRI

	§							
Havant Bus Station	15:55	16:20	16:50	17:20	17:50	18:45	20:45	
Solent Road Havant [for Tesco]	15:55	16:20	16:50	17:20	17:50	18:45	20:45	
Woodbury Avenue Langstone	15:55	16:20	16:50	17:20	17:50	18:45	20:45	
Langstone Avenue	15:56	16:21	16:51	17:21	17:51	18:46	20:46	
Mill Lane Langstone	15:57	16:22	16:52	17:22	17:52	18:46	20:46	
Langstone High Street	15:57	16:22	16:52	17:22	17:52	18:47	20:47	
The Ship Langstone	15:58	16:23	16:53	17:23	17:53	18:47	20:47	
Langstone Bridge Garage	15:59	16:24	16:54	17:24	17:54	18:48	20:48	
Finiterre Stoke Common	15:59	16:24	16:54	17:24	17:54	18:49	20:49	
New Cut Stoke Common	16:00	16:25	16:55	17:25	17:55	18:49	20:49	
Stoke Common Victoria Road	16:00	16:25	16:55	17:25	17:55	18:50	20:50	
Northwood Lane Stoke	16:01	16:26	16:56	17:26	17:56	18:51	20:51	
Stoke Castlemans Lane	16:02	16:27	16:57	17:27	17:57	18:51	20:51	
Yewtree Stoke	16:03	16:28	16:58	17:28	17:58	18:52	20:52	
Maypole Stoke	16:03	16:28	16:58	17:28	17:58	18:52	20:52	
Mill Rythe School	16:05	16:30	17:00	17:30	18:00	18:54	20:54	
The Oven Campsite Hayling	16:05	16:30	17:00	17:30	18:00	18:54	20:54	
Brights Lane Newown	16:06	16:31	17:01	17:31	18:01	18:55	20:55	
Higworth Caravan Park	16:06	16:31	17:01	17:31	18:01	18:55	20:55	
Newtown Hayling Island	16:06	16:31	17:01	17:31	18:01	18:55	20:55	
Lexden Gardens West Town	16:07	16:32	17:02	17:32	18:02	18:56	20:56	
West Lane West Town	16:07	16:32	17:02	17:32	18:02	18:56	20:56	
West Town Barley Mow	16:08	16:33	17:03	17:33	18:03	18:57	20:57	
Staunton Avenue West Town	16:09	16:34	17:04	17:34	18:04	18:58	20:58	
St Thomas Avenue West Town	16:12	16:37	17:07	17:37	18:07	19:00	21:00	
Beachlands Bus Stand	16:15	16:40	17:10	17:40	18:10	19:03	21:03	
Staunton Avenue Sea Front	16:15	16:40	17:10	17:40	18:10	19:03	21:03	
Sea Front Post Office	16:15	16:40	17:10	17:40	18:10	19:03	21:03	
South Hayling Beachlands	16:16	16:41	17:11	17:41	18:11	19:04	21:04	
Alexandra Avenue South Hayling	16:17	16:42	17:12	17:42	18:12	19:05	21:05	
Tudor Close South Hayling	16:17	16:42	17:12	17:42	18:12	19:05	21:05	
Bound Lane South Hayling	16:17	16:42	17:12	17:42	18:12	19:05	21:05	
Sea Front Estate	16:18	16:43	17:13	17:43	18:13	19:06	21:06	
Lifeboat Inn Eastoke	16:18	16:43	17:13	17:43	18:13	19:06	21:06	
Eastoke Buccaneers	16:19	16:44	17:14	17:44	18:14	19:07	21:07	
Kittywake Eastoke	16:20	16:45	17:15	17:45	18:15	19:08	21:08	
Sandy Point Eastoke	16:22	16:47	17:17	17:47	18:17	19:10	21:10	
Sandy Point Nature Reserve	16:22	16:47	17:17	17:47	18:17	19:10	21:10	
Eastoke Buccaneers	16:26	16:51	17:21	17:51	18:21	19:14	21:14	
Rails Lane Eastoke	16:27	16:52	17:22	17:52	18:22	19:15	21:15	
North Crescent Mengham	16:27	16:52	17:22	17:52	18:22	19:15	21:15	

Mengam Village Selmore Road	16:29	16:54	17:24	17:54	18:24	19:17	21:17
Mengham Corner	16:30	16:55	17:25	17:55	18:25	19:18	21:18
Gable Head Church Road	16:32	16:57	17:27	17:57	18:27	19:20	21:20
Hayling School	16:32	16:57	17:27	17:57	18:27	19:20	21:20
Kings Road Gable Head	16:33	16:58	17:28	17:58	18:28	19:21	21:21
Mill Rythe School	16:35	17:00	17:30	18:00	18:30	19:23	21:23
Maypole Stoke	.	17:01	17:31	18:01	18:31	19:24	21:24
Stoke Castlemans Lane	.	17:02	17:32	18:02	18:32	19:25	21:25
Northwood Lane Stoke	.	17:03	17:33	18:03	18:32	19:25	21:25
Stoke Common Victoria Road	.	17:04	17:34	18:04	18:33	19:26	21:26
New Cut Stoke Common	.	17:05	17:35	18:05	18:34	19:27	21:27
Finiterre Stoke Common	.	17:06	17:36	18:06	18:35	19:28	21:28
Langstone Bridge Garage	.	17:06	17:36	18:06	18:35	19:28	21:28
Langstone The Ship	.	17:08	17:38	18:08	18:36	19:29	21:29
Mill Lane Langstone	.	17:08	17:38	18:08	18:37	19:30	21:30
Langstone Avenue	.	17:09	17:39	18:09	18:37	19:30	21:30
Woodbury Avenue Langstone	.	17:10	17:40	18:10	18:38	19:31	21:31
Solent Road Havant [for Tesco]	.	17:10	17:40	18:10	18:39	19:32	21:32
Havant Bus Station	.	17:12	17:42	18:12	18:40	19:33	21:33
Oaklands School WHEN OPEN	.	.	.	.	.	.	.
South Fowns College WHEN OPEN	.	.	.	.	.	.	.

Havant - West Hayling - Eastoke - Havant

SATURDAY

Havant Bus Station	.	07:00	07:35	08:15	08:50	every	17:20	17:50	18:45
Solent Road Havant [for Tesco]	.	07:00	07:35	08:15	08:50	30	17:20	17:50	18:45
Woodbury Avenue Langstone	.	07:00	07:35	08:15	08:50	mins	17:20	17:50	18:45
Langstone Avenue	.	07:01	07:36	08:16	08:51		17:21	17:51	18:46
Mill Lane Langstone	.	07:01	07:36	08:17	08:52		17:22	17:52	18:46
Langstone High Street	.	07:02	07:37	08:17	08:52		17:22	17:52	18:47
The Ship Langstone	.	07:02	07:37	08:18	08:53		17:23	17:53	18:47
Langstone Bridge Garage	.	07:03	07:38	08:19	08:54		17:24	17:54	18:48
Finiterre Stoke Common	.	07:04	07:39	08:19	08:54		17:24	17:54	18:49
New Cut Stoke Common	.	07:04	07:39	08:20	08:55		17:25	17:55	18:49
Stoke Common Victoria Road	.	07:05	07:40	08:20	08:55		17:25	17:55	18:50
Northwood Lane Stoke	.	07:06	07:41	08:21	08:56		17:26	17:56	18:51
Stoke Castlemans Lane	.	07:06	07:41	08:22	08:57		17:27	17:57	18:51
Yewtree Stoke	.	07:07	07:42	08:23	08:58		17:28	17:58	18:52
Maypole Stoke	.	07:07	07:42	08:23	08:58		17:28	17:58	18:52
Mill Rythe School	.	07:09	07:44	08:25	09:00		17:30	18:00	18:54
The Oven Campsite Hayling	.	07:09	07:44	08:25	09:00		17:30	18:00	18:54
Brights Lane Newown	.	07:10	07:45	08:26	09:01		17:31	18:01	18:55
Higworth Caravan Park	.	07:10	07:45	08:26	09:01		17:31	18:01	18:55
Newtown Hayling Island	.	07:10	07:45	08:26	09:01		17:31	18:01	18:55
Lexden Gardens West Town	.	07:11	07:46	08:27	09:02		17:32	18:02	18:56
West Lane West Town	.	07:11	07:46	08:27	09:02		17:32	18:02	18:56
West Town Barley Mow	.	07:12	07:47	08:28	09:03		17:33	18:03	18:57
Staunton Avenue West Town	.	07:13	07:48	08:29	09:04		17:34	18:04	18:58
St Thomas Avenue West Town	.	07:16	07:51	08:32	09:07		17:37	18:07	19:00
Beachlands Bus Stand	.	07:19	07:54	08:35	09:10		17:40	18:10	19:03
Staunton Avenue Sea Front	.	07:19	07:54	08:35	09:10		17:40	18:10	19:03
Sea Front Post Office	.	07:19	07:54	08:35	09:10		17:40	18:10	19:03
South Hayling Beachlands	.	07:20	07:55	08:36	09:11		17:41	18:11	19:04
Alexandra Avenue South Hayling	.	07:21	07:56	08:37	09:12		17:42	18:12	19:05
Tudor Close South Hayling	.	07:21	07:56	08:37	09:12		17:42	18:12	19:05
Bound Lane South Hayling	.	07:21	07:56	08:37	09:12		17:42	18:12	19:05
Sea Front Estate	.	07:22	07:57	08:38	09:13		17:43	18:13	19:06
Lifeboat Inn Eastoke	.	07:22	07:57	08:38	09:13		17:43	18:13	19:06
Eastoke Buccaneers	.	07:23	07:58	08:39	09:14		17:44	18:14	19:07
Kittywake Eastoke	.	07:24	07:59	08:40	09:15		17:45	18:15	19:08
Sandy Point Eastoke	06:57	07:26	08:01	08:42	09:17		17:47	18:17	19:10
Sandy Point Nature Reserve	06:57	07:26	08:01	08:42	09:17		17:47	18:17	19:10

Eastoke Buccaneers	07:00	07:29	08:04	08:46	09:21	17:51	18:21	19:14
Rails Lane Eastoke	07:01	07:30	08:05	08:47	09:22	17:52	18:22	19:15
North Crescent Mengham	07:01	07:30	08:05	08:47	09:22	17:52	18:22	19:15
Mengam Village Selmore Road	07:03	07:32	08:07	08:49	09:24	17:54	18:24	19:17
Mengham Corner	07:04	07:33	08:08	08:50	09:25	17:55	18:25	19:18
Gable Head Church Road	07:05	07:35	08:10	08:52	09:27	17:57	18:27	19:20
Hayling School	07:06	07:35	08:10	08:52	09:27	17:57	18:27	19:20
Kings Road Gable Head	07:06	07:36	08:11	08:53	09:28	17:58	18:28	19:21
Mill Rythe School	07:08	07:38	08:13	08:55	09:30	18:00	18:30	19:23
Maypole Stoke	07:09	07:39	08:14	08:56	09:31	18:01	18:31	19:24
Stoke Castlemans Lane	07:10	07:40	08:15	08:57	09:32	18:02	18:32	19:25
Northwood Lane Stoke	07:10	07:40	08:15	08:58	09:33	18:03	18:32	19:25
Stoke Common Victoria Road	07:11	07:41	08:16	08:59	09:34	18:04	18:33	19:26
New Cut Stoke Common	07:12	07:42	08:17	09:00	09:35	18:05	18:34	19:27
Finiterre Stoke Common	07:13	07:43	08:18	09:01	09:36	18:06	18:35	19:28
Langstone Bridge Garage	07:13	07:43	08:18	09:01	09:36	18:06	18:35	19:28
Langstone The Ship	07:14	07:44	08:19	09:03	09:38	18:08	18:36	19:29
Mill Lane Langstone	07:15	07:45	08:20	09:03	09:38	18:08	18:37	19:30
Langstone Avenue	07:15	07:45	08:20	09:04	09:39	18:09	18:37	19:30
Woodbury Avenue Langstone	07:16	07:46	08:21	09:05	09:40	18:10	18:38	19:31
Solent Road Havant [for Tesco]	07:17	07:47	08:22	09:05	09:40	18:10	18:39	19:32
Havant Bus Station	07:18	07:48	08:23	09:07	09:42	18:12	18:40	19:33

SATURDAY

Havant Bus Station	20:45	22:45
Solent Road Havant [for Tesco]	20:45	22:45
Woodbury Avenue Langstone	20:45	22:45
Langstone Avenue	20:46	22:46
Mill Lane Langstone	20:46	22:46
Langstone High Street	20:47	22:47
The Ship Langstone	20:47	22:47
Langstone Bridge Garage	20:48	22:48
Finiterre Stoke Common	20:49	22:49
New Cut Stoke Common	20:49	22:49
Stoke Common Victoria Road	20:50	22:50
Northwood Lane Stoke	20:51	22:51
Stoke Castlemans Lane	20:51	22:51
Yewtree Stoke	20:52	22:52
Maypole Stoke	20:52	22:52
Mill Rythe School	20:54	22:54
The Oven Campsite Hayling	20:54	22:54
Brights Lane Newown	20:55	22:55
Higworth Caravan Park	20:55	22:55
Newtown Hayling Island	20:55	22:55
Lexden Gardens West Town	20:56	22:56
West Lane West Town	20:56	22:56
West Town Barley Mow	20:57	22:57
Staunton Avenue West Town	20:58	22:58
St Thomas Avenue West Town	21:00	23:00
Beachlands Bus Stand	21:03	23:03
Staunton Avenue Sea Front	21:03	23:03
Sea Front Post Office	21:03	23:03
South Hayling Beachlands	21:04	23:04
Alexandra Avenue South Hayling	21:05	23:05
Tudor Close South Hayling	21:05	23:05
Bound Lane South Hayling	21:05	23:05
Sea Front Estate	21:06	23:06
Lifeboat Inn Eastoke	21:06	23:06
Eastoke Buccaneers	21:07	23:07
Kittywake Eastoke	21:08	23:08
Sandy Point Eastoke	21:10	23:10
Sandy Point Nature Reserve	21:10	23:10
Eastoke Buccaneers	21:14	23:14
Rails Lane Eastoke	21:15	23:15
North Crescent Mengham	21:15	23:15
Mengam Village Selmore Road	21:17	23:17

Mengham Corner	21:18	23:18
Gable Head Church Road	21:20	23:20
Hayling School	21:20	23:20
Kings Road Gable Head	21:21	23:21
Mill Rythe School	21:23	23:23
Maypole Stoke	21:24	23:24
Stoke Castlemans Lane	21:25	23:25
Northwood Lane Stoke	21:25	23:25
Stoke Common Victoria Road	21:26	23:26
New Cut Stoke Common	21:27	23:27
Finiterre Stoke Common	21:28	23:28
Langstone Bridge Garage	21:28	23:28
Langstone The Ship	21:29	23:29
Mill Lane Langstone	21:30	23:30
Langstone Avenue	21:30	23:30
Woodbury Avenue Langstone	21:31	23:31
Solent Road Havant [for Tesco]	21:32	23:32
Havant Bus Station	21:33	23:33

Havant - West Hayling - Eastoke - Havant

SUNDAY

Havant Bus Station	08:55	10:55	12:55	14:55	16:55
Solent Road Havant [for Tesco]	08:55	10:55	12:55	14:55	16:55
Woodbury Avenue Langstone	08:55	10:55	12:55	14:55	16:55
Langstone Avenue	08:56	10:56	12:56	14:56	16:56
Mill Lane Langstone	08:57	10:57	12:57	14:57	16:57
Langstone High Street	08:57	10:57	12:57	14:57	16:57
The Ship Langstone	08:58	10:58	12:58	14:58	16:58
Langstone Bridge Garage	08:59	10:59	12:59	14:59	16:59
Finiterre Stoke Common	08:59	10:59	12:59	14:59	16:59
New Cut Stoke Common	09:00	11:00	13:00	15:00	17:00
Stoke Common Victoria Road	09:00	11:00	13:00	15:00	17:00
Northwood Lane Stoke	09:01	11:01	13:01	15:01	17:01
Stoke Castlemans Lane	09:02	11:02	13:02	15:02	17:02
Yewtree Stoke	09:03	11:03	13:03	15:03	17:03
Maypole Stoke	09:03	11:03	13:03	15:03	17:03
Mill Rythe School	09:05	11:05	13:05	15:05	17:05
The Oven Campsite Hayling	09:05	11:05	13:05	15:05	17:05
Brights Lane Newown	09:06	11:06	13:06	15:06	17:06
Higworth Caravan Park	09:06	11:06	13:06	15:06	17:06
Newtown Hayling Island	09:06	11:06	13:06	15:06	17:06
Lexden Gardens West Town	09:07	11:07	13:07	15:07	17:07
West Lane West Town	09:07	11:07	13:07	15:07	17:07
West Town Barley Mow	09:08	11:08	13:08	15:08	17:08
Staunton Avenue West Town	09:09	11:09	13:09	15:09	17:09
St Thomas Avenue West Town	09:12	11:12	13:12	15:12	17:12
Beachlands Bus Stand	09:15	11:15	13:15	15:15	17:15
Staunton Avenue Sea Front	09:15	11:15	13:15	15:15	17:15
Sea Front Post Office	09:15	11:15	13:15	15:15	17:15
South Hayling Beachlands	09:16	11:16	13:16	15:16	17:16
Alexandra Avenue South Hayling	09:17	11:17	13:17	15:17	17:17
Tudor Close South Hayling	09:17	11:17	13:17	15:17	17:17
Bound Lane South Hayling	09:17	11:17	13:17	15:17	17:17
Sea Front Estate	09:18	11:18	13:18	15:18	17:18
Lifeboat Inn Eastoke	09:18	11:18	13:18	15:18	17:18
Eastoke Buccaneers	09:19	11:19	13:19	15:19	17:19
Kittywake Eastoke	09:20	11:20	13:20	15:20	17:20
Sandy Point Eastoke	09:22	11:22	13:22	15:22	17:22
Sandy Point Nature Reserve	09:22	11:22	13:22	15:22	17:22
Eastoke Buccaneers	09:26	11:26	13:26	15:26	17:26
Rails Lane Eastoke	09:27	11:27	13:27	15:27	17:27
North Crescent Mengham	09:27	11:27	13:27	15:27	17:27

Mengam Village Selmore Road	09:29	11:29	13:29	15:29	17:29
Mengham Corner	09:30	11:30	13:30	15:30	17:30
Gable Head Church Road	09:32	11:32	13:32	15:32	17:32
Hayling School	09:32	11:32	13:32	15:32	17:32
Kings Road Gable Head	09:33	11:33	13:33	15:33	17:33
Mill Rythe School	09:35	11:35	13:35	15:35	17:35
Maypole Stoke	09:36	11:36	13:36	15:36	17:36
Stoke Castlemans Lane	09:37	11:37	13:37	15:37	17:37
Northwood Lane Stoke	09:38	11:38	13:38	15:38	17:38
Stoke Common Victoria Road	09:39	11:39	13:39	15:39	17:39
New Cut Stoke Common	09:40	11:40	13:40	15:40	17:40
Finiterre Stoke Common	09:41	11:41	13:41	15:41	17:41
Langstone Bridge Garage	09:41	11:41	13:41	15:41	17:41
Langstone The Ship	09:43	11:43	13:43	15:43	17:43
Mill Lane Langstone	09:43	11:43	13:43	15:43	17:43
Langstone Avenue	09:44	11:44	13:44	15:44	17:44
Woodbury Avenue Langstone	09:45	11:45	13:45	15:45	17:45
Solent Road Havant [for Tesco]	09:45	11:45	13:45	15:45	17:45
Havant Bus Station	09:47	11:47	13:47	15:47	17:47

MO Mondays only	MX Mondays excepted
TuO Tuesdays only	TuX Tuesdays excepted
WO Wednesdays only	WX Wednesdays excepted
ThO Thursdays only	ThX Thursdays excepted
FO Fridays only	FX Fridays excepted
SO Saturdays only	SX Saturdays excepted
SuO Sundays only	SuX Sundays excepted

§ Schooldays only	N§ Schooldays excepted
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¶ Hourly pattern of service

Stagecoach 31

Serving: Havant Bus Station, Solent Road Havant [for Tesco], Woodbury Avenue Langstone, Langstone Avenue, Mill Lane Langstone, Langstone The Ship, Langstone Bridge Garage, Finiterre Stoke Common, New Cut Stoke Common, Stoke Common Victoria Road, Northwood Lane Stoke, Stoke Castlemans Lane, Maypole Stoke, Mill Rythe School, Kings Road Gable Head, Hayling School, Gable Head Church Road, Mengham Elm Grove, Mengham Corner, North Crescent Mengham, Rails Lane Eastoke, Eastoke Buccaneers, Sandy Point Nature Reserve, Sandy Point Eastoke, Kittywake Eastoke, Eastoke Buccaneers, Lifeboat Inn Eastoke, Sea Front Estate, Bound Lane South Hayling, Tudor Close South Hayling, Alexandra Avenue South Hayling, Beachlands Bus Stand, Sea Front Post Office, Staunton Avenue Sea Front, Bacon Lane West Town, St Thomas Avenue West Town, Staunton Avenue West Town, West Town Barley Mow, West Lane West Town, Lexden Gardens West Town, Newtown Haying Island, Highworth Caravan Park, Brights Lane Newown, The Oven Campsite Hayling, Mill Rythe School, Maypole Stoke, Yewtree Stoke, Stoke Castlemans Lane, Northwood Lane Stoke, Stoke Common Victoria Road, New Cut Stoke Common, Finiterre Stoke Common, Langstone Bridge Garage, The Ship Langstone, Langstone High Street, Mill Lane Langstone, Langstone Avenue, Woodbury Avenue Langstone, Solent Road Havant [for Tesco] & Havant Bus Station

Phone: Unspecified

Valid: from 01/11

Please check with the service operator before making an important journey.

CV031

Havant - West Hayling - Eastoke - Havant**MON to FRI**

Havant Bus Station	.	.	.	07:20	07:50	08:30	09:05	every	17:35
Solent Road Havant [for Tesco]	.	.	.	07:20	07:50	08:30	09:05	30	17:35
Woodbury Avenue Langstone	.	.	.	07:20	07:50	08:30	09:05	mins	17:35
Langstone Avenue	.	.	.	07:21	07:51	08:31	09:06		17:36
Mill Lane Langstone	.	.	.	07:21	07:51	08:32	09:07		17:37
Langstone The Ship	.	.	.	07:22	07:52	08:32	09:07		17:37
Langstone Bridge Garage	.	.	.	07:23	07:53	08:33	09:08		17:38
Finiterre Stoke Common	.	.	.	07:23	07:53	08:34	09:09		17:39
New Cut Stoke Common	.	.	.	07:24	07:54	08:34	09:09		17:39
Stoke Common Victoria Road	.	.	.	07:25	07:55	08:35	09:10		17:40
Northwood Lane Stoke	.	.	.	07:25	07:55	08:36	09:11		17:41
Stoke Castlemans Lane	.	.	.	07:26	07:56	08:37	09:12		17:42
Maypole Stoke	.	.	.	07:27	07:57	08:38	09:13		17:43
Mill Rythe School	05:57	06:37	06:59	07:29	07:59	08:40	09:15		17:45
Kings Road Gable Head	05:57	06:37	06:59	07:29	07:59	08:40	09:15		17:45
Hayling School	05:58	06:38	07:00	07:30	08:00	08:41	09:16		17:46
Gable Head Church Road	05:58	06:38	07:00	07:30	08:00	08:42	09:17		17:47
Mengham Elm Grove	06:00	06:40	07:02	07:32	08:02	08:44	09:19		17:49
Mengham Corner	06:01	06:41	07:03	07:33	08:03	08:45	09:20		17:50
North Crescent Mengham	06:02	06:42	07:04	07:34	08:04	08:46	09:21		17:51
Rails Lane Eastoke	06:03	06:43	07:05	07:35	08:05	08:47	09:22		17:52
Eastoke Buccaneers	06:05	06:45	07:07	07:37	08:07	08:49	09:24		17:54
Sandy Point Nature Reserve	06:07	06:47	07:09	07:39	08:09	08:51	09:26		17:56
Sandy Point Eastoke	06:09	06:49	07:11	07:41	08:11	08:53	09:28		17:58
Kittywake Eastoke	06:11	06:51	07:13	07:43	08:13	08:55	09:30		18:00
Eastoke Buccaneers	06:12	06:52	07:15	07:45	08:15	08:57	09:32		18:02
Lifeboat Inn Eastoke	06:13	06:53	07:15	07:45	08:15	08:57	09:32		18:02
Sea Front Estate	06:13	06:53	07:16	07:46	08:16	08:58	09:33		18:03
Bound Lane South Hayling	06:14	06:54	07:16	07:46	08:16	08:58	09:33		18:03
Tudor Close South Hayling	06:15	06:55	07:17	07:47	08:17	08:59	09:34		18:04
Alexandra Avenue South Hayling	06:15	06:55	07:18	07:48	08:18	09:00	09:35		18:05
Beachlands Bus Stand	06:17	06:57	07:20	07:50	08:20	09:02	09:37		18:07
Sea Front Post Office	06:17	06:57	07:20	07:50	08:20	09:02	09:37		18:07
Staunton Avenue Sea Front	06:18	06:58	07:21	07:51	08:21	09:03	09:38		18:08
Bacon Lane West Town	06:18	06:58	07:21	07:51	08:21	09:03	09:38		18:08
St Thomas Avenue West Town	06:19	06:59	07:22	07:52	08:22	09:04	09:39		18:09
Staunton Avenue West Town	06:20	07:00	07:23	07:53	08:23	09:05	09:40		18:10
West Town Barley Mow	06:21	07:01	07:24	07:54	08:24	09:06	09:41		18:11
West Lane West Town	06:21	07:01	07:24	07:54	08:24	09:06	09:41		18:11
Lexden Gardens West Town	06:21	07:01	07:24	07:54	08:24	09:06	09:41		18:11

Newtown Haying Island	06:22	07:02	07:25	07:55	08:25	09:07	09:42	18:12
Highworth Caravan Park	06:22	07:02	07:25	07:55	08:25	09:07	09:42	18:12
Brights Lane Newown	06:23	07:03	07:26	07:56	08:26	09:08	09:43	18:13
The Oven Campsite Hayling	06:23	07:03	07:26	07:56	08:26	09:08	09:43	18:13
Mill Rythe School	06:25	07:05	07:28	07:58	08:28	09:10	09:45	18:15
Maypole Stoke	06:25	07:05	07:29	07:59	08:29	09:11	09:46	18:16
Yewtree Stoke	06:26	07:06	07:30	08:00	08:30	09:11	09:46	18:16
Stoke Castlemans Lane	06:27	07:07	07:31	08:01	08:31	09:12	09:47	18:17
Northwood Lane Stoke	06:27	07:07	07:32	08:02	08:32	09:13	09:48	18:18
Stoke Common Victoria Road	06:28	07:08	07:34	08:04	08:34	09:14	09:49	18:19
New Cut Stoke Common	06:29	07:09	07:35	08:05	08:35	09:15	09:50	18:20
Finiterre Stoke Common	06:29	07:09	07:36	08:06	08:36	09:15	09:50	18:20
Langstone Bridge Garage	06:30	07:10	07:36	08:06	08:36	09:16	09:51	18:21
The Ship Langstone	06:31	07:11	07:38	08:08	08:38	09:17	09:52	18:22
Langstone High Street	06:32	07:12	07:40	08:10	08:40	09:18	09:53	18:23
Mill Lane Langstone	06:32	07:12	07:40	08:10	08:40	09:18	09:53	18:23
Langstone Avenue	06:32	07:12	07:41	08:11	08:41	09:19	09:54	18:24
Woodbury Avenue Langstone	06:33	07:13	07:42	08:12	08:42	09:20	09:55	18:25
Solent Road Havant [for Tesco]	06:34	07:14	07:43	08:13	08:43	09:20	09:55	18:25
Havant Bus Station	06:35	07:15	07:45	08:15	08:45	09:22	09:57	18:27

MON to FRI

Havant Bus Station	18:05	19:45
Solent Road Havant [for Tesco]	18:05	19:45
Woodbury Avenue Langstone	18:05	19:45
Langstone Avenue	18:06	19:46
Mill Lane Langstone	18:07	19:46
Langstone The Ship	18:07	19:47
Langstone Bridge Garage	18:08	19:48
Finiterre Stoke Common	18:09	19:48
New Cut Stoke Common	18:09	19:49
Stoke Common Victoria Road	18:10	19:50
Northwood Lane Stoke	18:11	19:50
Stoke Castlemans Lane	18:12	19:51
Maypole Stoke	18:13	19:52
Mill Rythe School	18:15	19:54
Kings Road Gable Head	18:15	19:54
Hayling School	18:16	19:55
Gable Head Church Road	18:17	19:55
Mengham Elm Grove	18:19	19:57
Mengham Corner	18:20	19:58
North Crescent Mengham	18:21	19:59
Rails Lane Eastoke	18:22	20:00
Eastoke Buccaneers	18:24	20:02
Sandy Point Nature Reserve	18:26	20:04
Sandy Point Eastoke	18:28	20:06
Kittywake Eastoke	18:30	20:08
Eastoke Buccaneers	18:32	20:10
Lifeboat Inn Eastoke	18:32	20:10
Sea Front Estate	18:33	20:11
Bound Lane South Hayling	18:33	20:11
Tudor Close South Hayling	18:34	20:12
Alexandra Avenue South Hayling	18:35	20:13
Beachlands Bus Stand	18:37	20:15
Sea Front Post Office	18:37	20:15
Staunton Avenue Sea Front	18:38	20:16
Bacon Lane West Town	18:38	20:16
St Thomas Avenue West Town	18:39	20:17
Staunton Avenue West Town	18:40	20:18
West Town Barley Mow	18:41	20:19
West Lane West Town	18:41	20:19
Lexden Gardens West Town	18:41	20:19
Newtown Haying Island	18:42	20:20
Highworth Caravan Park	18:42	20:20
Brights Lane Newown	18:43	20:21
The Oven Campsite Hayling	18:43	20:21

Mill Rythe School	18:45	20:23
Maypole Stoke	18:45	20:23
Yewtree Stoke	18:46	20:24
Stoke Castlemans Lane	18:47	20:25
Northwood Lane Stoke	18:47	20:25
Stoke Common Victoria Road	18:48	20:26
New Cut Stoke Common	18:49	20:27
Finiterre Stoke Common	18:49	20:27
Langstone Bridge Garage	18:50	20:28
The Ship Langstone	18:51	20:29
Langstone High Street	18:52	20:30
Mill Lane Langstone	18:52	20:30
Langstone Avenue	18:52	20:30
Woodbury Avenue Langstone	18:53	20:31
Solent Road Havant [for Tesco]	18:54	20:32
Havant Bus Station	18:55	20:33

Havant - West Hayling - Eastoke - Havant

SATURDAY

Havant Bus Station	.	07:20	07:55	08:30	09:05	every	17:35	18:05
Solent Road Havant [for Tesco]	.	07:20	07:55	08:30	09:05	30	17:35	18:05
Woodbury Avenue Langstone	.	07:20	07:55	08:30	09:05	mins	17:35	18:05
Langstone Avenue	.	07:21	07:56	08:31	09:06		17:36	18:06
Mill Lane Langstone	.	07:21	07:56	08:32	09:07		17:37	18:07
Langstone The Ship	.	07:22	07:57	08:32	09:07		17:37	18:07
Langstone Bridge Garage	.	07:23	07:58	08:33	09:08		17:38	18:08
Finiterre Stoke Common	.	07:23	07:58	08:34	09:09		17:39	18:09
New Cut Stoke Common	.	07:24	07:59	08:34	09:09		17:39	18:09
Stoke Common Victoria Road	.	07:25	08:00	08:35	09:10		17:40	18:10
Northwood Lane Stoke	.	07:25	08:00	08:36	09:11		17:41	18:11
Stoke Castlemans Lane	.	07:26	08:01	08:37	09:12		17:42	18:12
Maypole Stoke	.	07:27	08:02	08:38	09:13		17:43	18:13
Mill Rythe School	06:55	07:29	08:04	08:40	09:15		17:45	18:15
Kings Road Gable Head	06:55	07:29	08:04	08:40	09:15		17:45	18:15
Hayling School	06:56	07:30	08:05	08:41	09:16		17:46	18:16
Gable Head Church Road	06:56	07:30	08:05	08:42	09:17		17:47	18:17
Mengham Elm Grove	06:58	07:32	08:07	08:44	09:19		17:49	18:19
Mengham Corner	06:59	07:33	08:08	08:45	09:20		17:50	18:20
North Crescent Mengham	07:00	07:34	08:09	08:46	09:21		17:51	18:21
Rails Lane Eastoke	07:01	07:35	08:10	08:47	09:22		17:52	18:22
Eastoke Buccaneers	07:03	07:37	08:12	08:49	09:24		17:54	18:24
Sandy Point Nature Reserve	07:05	07:39	08:14	08:51	09:26		17:56	18:26
Sandy Point Eastoke	07:07	07:41	08:16	08:53	09:28		17:58	18:28
Kittywake Eastoke	07:09	07:43	08:18	08:55	09:30		18:00	18:30
Eastoke Buccaneers	07:10	07:45	08:20	08:57	09:32		18:02	18:32
Lifeboat Inn Eastoke	07:11	07:45	08:20	08:57	09:32		18:02	18:32
Sea Front Estate	07:11	07:46	08:21	08:58	09:33		18:03	18:33
Bound Lane South Hayling	07:12	07:46	08:21	08:58	09:33		18:03	18:33
Tudor Close South Hayling	07:13	07:47	08:22	08:59	09:34		18:04	18:34
Alexandra Avenue South Hayling	07:13	07:48	08:23	09:00	09:35		18:05	18:35
Beachlands Bus Stand	07:15	07:50	08:25	09:02	09:37		18:07	18:37
Sea Front Post Office	07:15	07:50	08:25	09:02	09:37		18:07	18:37
Staunton Avenue Sea Front	07:16	07:51	08:26	09:03	09:38		18:08	18:38
Bacon Lane West Town	07:16	07:51	08:26	09:03	09:38		18:08	18:38
St Thomas Avenue West Town	07:17	07:52	08:27	09:04	09:39		18:09	18:39
Staunton Avenue West Town	07:18	07:53	08:28	09:05	09:40		18:10	18:40
West Town Barley Mow	07:19	07:54	08:29	09:06	09:41		18:11	18:41
West Lane West Town	07:19	07:54	08:29	09:06	09:41		18:11	18:41
Lexden Gardens West Town	07:19	07:54	08:29	09:06	09:41		18:11	18:41
Newtown Haying Island	07:20	07:55	08:30	09:07	09:42		18:12	18:42
Highworth Caravan Park	07:20	07:55	08:30	09:07	09:42		18:12	18:42
Brights Lane Newown	07:21	07:56	08:31	09:08	09:43		18:13	18:43

The Oven Campsite Hayling	07:21	07:56	08:31	09:08	09:43	18:13	18:43
Mill Rythe School	07:23	07:58	08:33	09:10	09:45	18:15	18:45
Maypole Stoke	07:23	07:58	08:34	09:11	09:46	18:16	18:45
Yewtree Stoke	07:24	07:59	08:34	09:11	09:46	18:16	18:46
Stoke Castlemans Lane	07:25	08:00	08:35	09:12	09:47	18:17	18:47
Northwood Lane Stoke	07:25	08:00	08:36	09:13	09:48	18:18	18:47
Stoke Common Victoria Road	07:26	08:01	08:37	09:14	09:49	18:19	18:48
New Cut Stoke Common	07:27	08:02	08:38	09:15	09:50	18:20	18:49
Finiterre Stoke Common	07:27	08:02	08:38	09:15	09:50	18:20	18:49
Langstone Bridge Garage	07:28	08:03	08:39	09:16	09:51	18:21	18:50
The Ship Langstone	07:29	08:04	08:40	09:17	09:52	18:22	18:51
Langstone High Street	07:30	08:05	08:41	09:18	09:53	18:23	18:52
Mill Lane Langstone	07:30	08:05	08:41	09:18	09:53	18:23	18:52
Langstone Avenue	07:30	08:05	08:42	09:19	09:54	18:24	18:52
Woodbury Avenue Langstone	07:31	08:06	08:43	09:20	09:55	18:25	18:53
Solent Road Havant [for Tesco]	07:32	08:07	08:43	09:20	09:55	18:25	18:54
Havant Bus Station	07:33	08:08	08:45	09:22	09:57	18:27	18:55

SATURDAY

Havant Bus Station	19:45	21:45
Solent Road Havant [for Tesco]	19:45	21:45
Woodbury Avenue Langstone	19:45	21:45
Langstone Avenue	19:46	21:46
Mill Lane Langstone	19:46	21:46
Langstone The Ship	19:47	21:47
Langstone Bridge Garage	19:48	21:48
Finiterre Stoke Common	19:48	21:48
New Cut Stoke Common	19:49	21:49
Stoke Common Victoria Road	19:50	21:50
Northwood Lane Stoke	19:50	21:50
Stoke Castlemans Lane	19:51	21:51
Maypole Stoke	19:52	21:52
Mill Rythe School	19:54	21:54
Kings Road Gable Head	19:54	21:54
Hayling School	19:55	21:55
Gable Head Church Road	19:55	21:55
Mengham Elm Grove	19:57	21:57
Mengham Corner	19:58	21:58
North Crescent Mengham	19:59	21:59
Rails Lane Eastoke	20:00	22:00
Eastoke Buccaneers	20:02	22:02
Sandy Point Nature Reserve	20:04	22:04
Sandy Point Eastoke	20:06	22:06
Kittywake Eastoke	20:08	22:08
Eastoke Buccaneers	20:10	22:10
Lifeboat Inn Eastoke	20:10	22:10
Sea Front Estate	20:11	22:11
Bound Lane South Hayling	20:11	22:11
Tudor Close South Hayling	20:12	22:12
Alexandra Avenue South Hayling	20:13	22:13
Beachlands Bus Stand	20:15	22:15
Sea Front Post Office	20:15	22:15
Staunton Avenue Sea Front	20:16	22:16
Bacon Lane West Town	20:16	22:16
St Thomas Avenue West Town	20:17	22:17
Staunton Avenue West Town	20:18	22:18
West Town Barley Mow	20:19	22:19
West Lane West Town	20:19	22:19
Lexden Gardens West Town	20:19	22:19
Newtown Haying Island	20:20	22:20
Highworth Caravan Park	20:20	22:20
Brights Lane Newown	20:21	22:21
The Oven Campsite Hayling	20:21	22:21
Mill Rythe School	20:23	22:23
Maypole Stoke	20:23	22:23
Yewtree Stoke	20:24	22:24

Stoke Castlemans Lane	20:25	22:25
Northwood Lane Stoke	20:25	22:25
Stoke Common Victoria Road	20:26	22:26
New Cut Stoke Common	20:27	22:27
Finiterre Stoke Common	20:27	22:27
Langstone Bridge Garage	20:28	22:28
The Ship Langstone	20:29	22:29
Langstone High Street	20:30	22:30
Mill Lane Langstone	20:30	22:30
Langstone Avenue	20:30	22:30
Woodbury Avenue Langstone	20:31	22:31
Solent Road Havant [for Tesco]	20:32	22:32
Havant Bus Station	20:33	22:33

Havant - West Hayling - Eastoke - Havant

SUNDAY

Havant Bus Station	09:55	11:55	13:55	15:55	17:55
Solent Road Havant [for Tesco]	09:55	11:55	13:55	15:55	17:55
Woodbury Avenue Langstone	09:55	11:55	13:55	15:55	17:55
Langstone Avenue	09:56	11:56	13:56	15:56	17:56
Mill Lane Langstone	09:57	11:57	13:57	15:57	17:57
Langstone The Ship	09:57	11:57	13:57	15:57	17:57
Langstone Bridge Garage	09:58	11:58	13:58	15:58	17:58
Finiterre Stoke Common	09:59	11:59	13:59	15:59	17:59
New Cut Stoke Common	09:59	11:59	13:59	15:59	17:59
Stoke Common Victoria Road	10:00	12:00	14:00	16:00	18:00
Northwood Lane Stoke	10:01	12:01	14:01	16:01	18:01
Stoke Castlemans Lane	10:02	12:02	14:02	16:02	18:02
Maypole Stoke	10:03	12:03	14:03	16:03	18:03
Mill Rythe School	10:05	12:05	14:05	16:05	18:05
Kings Road Gable Head	10:05	12:05	14:05	16:05	18:05
Hayling School	10:06	12:06	14:06	16:06	18:06
Gable Head Church Road	10:07	12:07	14:07	16:07	18:07
Mengham Elm Grove	10:09	12:09	14:09	16:09	18:09
Mengham Corner	10:10	12:10	14:10	16:10	18:10
North Crescent Mengham	10:11	12:11	14:11	16:11	18:11
Rails Lane Eastoke	10:12	12:12	14:12	16:12	18:12
Eastoke Buccaneers	10:14	12:14	14:14	16:14	18:14
Sandy Point Nature Reserve	10:16	12:16	14:16	16:16	18:16
Sandy Point Eastoke	10:18	12:18	14:18	16:18	18:18
Kittywake Eastoke	10:20	12:20	14:20	16:20	18:20
Eastoke Buccaneers	10:22	12:22	14:22	16:22	18:22
Lifeboat Inn Eastoke	10:22	12:22	14:22	16:22	18:22
Sea Front Estate	10:23	12:23	14:23	16:23	18:23
Bound Lane South Hayling	10:23	12:23	14:23	16:23	18:23
Tudor Close South Hayling	10:24	12:24	14:24	16:24	18:24
Alexandra Avenue South Hayling	10:25	12:25	14:25	16:25	18:25
Beachlands Bus Stand	10:27	12:27	14:27	16:27	18:27
Sea Front Post Office	10:27	12:27	14:27	16:27	18:27
Staunton Avenue Sea Front	10:28	12:28	14:28	16:28	18:28
Bacon Lane West Town	10:28	12:28	14:28	16:28	18:28
St Thomas Avenue West Town	10:29	12:29	14:29	16:29	18:29
Staunton Avenue West Town	10:30	12:30	14:30	16:30	18:30
West Town Barley Mow	10:31	12:31	14:31	16:31	18:31
West Lane West Town	10:31	12:31	14:31	16:31	18:31
Lexden Gardens West Town	10:31	12:31	14:31	16:31	18:31
Newtown Haying Island	10:32	12:32	14:32	16:32	18:32
Highworth Caravan Park	10:32	12:32	14:32	16:32	18:32
Brights Lane Newown	10:33	12:33	14:33	16:33	18:33
The Oven Campsite Hayling	10:33	12:33	14:33	16:33	18:33
Mill Rythe School	10:35	12:35	14:35	16:35	18:35
Maypole Stoke	10:36	12:36	14:36	16:36	18:36

Yewtree Stoke	10:36	12:36	14:36	16:36	18:36
Stoke Castlemans Lane	10:37	12:37	14:37	16:37	18:37
Northwood Lane Stoke	10:38	12:38	14:38	16:38	18:38
Stoke Common Victoria Road	10:39	12:39	14:39	16:39	18:39
New Cut Stoke Common	10:40	12:40	14:40	16:40	18:40
Finiterre Stoke Common	10:40	12:40	14:40	16:40	18:40
Langstone Bridge Garage	10:41	12:41	14:41	16:41	18:41
The Ship Langstone	10:42	12:42	14:42	16:42	18:42
Langstone High Street	10:43	12:43	14:43	16:43	18:43
Mill Lane Langstone	10:43	12:43	14:43	16:43	18:43
Langstone Avenue	10:44	12:44	14:44	16:44	18:44
Woodbury Avenue Langstone	10:45	12:45	14:45	16:45	18:45
Solent Road Havant [for Tesco]	10:45	12:45	14:45	16:45	18:45
Havant Bus Station	10:47	12:47	14:47	16:47	18:47

MO Mondays only	MX Mondays excepted
TuO Tuesdays only	TuX Tuesdays excepted
WO Wednesdays only	WX Wednesdays excepted
ThO Thursdays only	ThX Thursdays excepted
FO Fridays only	FX Fridays excepted
SO Saturdays only	SX Saturdays excepted
SuO Sundays only	SuX Sundays excepted

§ Schooldays only N§ Schooldays excepted

¶ Hourly pattern of service