Reeves Transport Planning

50 DOLPHIN ROAD SHOREHAM-BY-SEA WEST SUSSEX BN43 6PB

TRANSPORT STATEMENT

Drafted

February 2016

Prepared for:
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c/o DOWSETTMAYHEW Planning Partnership
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1. Introduction

1.1 Reeves Transport Planning has been appointed to provide a Transport Statement in support of a planning application (AWDM/1880/15) to demolish existing buildings and construct a new commercial building providing circa 2,450 m² of B2 (general industrial) and circa 1,000 m² of B1a (office) within a 3 storey building, with associated parking, plant room and landscaping.

1.2 A location plan is attached, as Appendix 1. This Transport Statement has been drafted with reference to the Department for Transport document, Guidance on Transport Assessments published in 2007, and West Sussex County Council's consultation response dated 15th January 2016. A copy is attached as Appendix 2.

1.3 The application site is located at the eastern end of Dolphin Way, roughly 720metres to the east of the junction with Eastern Road. The carriageway of Dolphin Way is roughly 6metres wide and benefits from one footway of roughly 2metres wide along the north side of the road. The first 200metres of Dolphin Way serves primarily residential development, where the crossing points have dropped kerbs and tactile paving. The section of Dolphin Way that serves the industrial units has roughly 14 separate access points of various widths and states of repair.

2. Policy Background

2.1 The section of the Transport Statement sets out the relevant policies, at a national and local level, that this proposal will be judged against.

National Planning Policy Framework

2.2 The National Planning Policy Framework, published in March 2012, has set out the Government's planning policy and is now a material consideration in planning decisions. Section 4 sets out the objectives with respect to promoting sustainable transport.

2.3 The Policy Framework requires all developments that generate a significant volume of transport movement to be supported by a Transport Assessment. It also notes that *'plans and decisions should take account of:*

- *The opportunities for sustainable 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*
- *Development should only be prevented or refused on transport ground where the residual cumulative impacts of development are severe.'*

Adur District Local Plan (ADLP)

2.4 Policy AT12 notes *'development, including the use of land, will be required to be located, designed and carried out so that it would: -*

(a) have safe and adequate access to the main road network;

(b) cater safely and adequately for any vehicular traffic it would generate;

(c) not reduce safety or worsen traffic conditions materially for existing highway users or would incorporate satisfactory remedial measures;

(d) be accessible by public transport and, where relevant, not reduce and, if possible, improve its operating efficiency;

(e) have safe and adequate access for pedestrians, cyclists and people with disabilities, and

(f) include provision for parking and, if appropriate, loading space (except in some town centres and Conservation Areas where special policies apply) in accordance with the minimum standards contained in the Council's adopted standards for parking and servicing in relation to development which may, from time to time, be revised.

Where the District Planning Authority is not satisfied on these matters it will refuse planning permission. Except as provided for by other policies, development will not be permitted where it will involve: -

(a) the formation of any means of access to a highway forming part of the strategic or supporting network, or

(b) the intensification of the use of an existing access on this network where the traffic capacity of the existing highway is being, or is near to being, exceeded.'

Proposed Submission Adur Local Plan 2014

2.5 Policy 15 notes that development should;

- *Include a layout and design which take account of the potential users of the site;*
- *Have safe access to the highway network, and not result in harm to highway safety;*
- *Have acceptable parking arrangements (in terms of amount and layout)*

2.6 Policy 29: Transport and Connectivity notes *'in order to secure significant improvements to transport and mobility in Adur, new development should:*

- *Improve public transport and access to it where opportunities arise.*
- *Work with West Sussex County Council and Brighton & Hove City Council to promote a sustainable transport system along the coast to help in the regeneration of the area including Shoreham Harbour, ensuring that the A259 is improved.*
- *Provide for improvements to the road network, including the A259 and A27. Measures include junction improvements, traffic calming, and where necessary new roads. Appropriate mitigation measures to address capacity issues at a number of key junctions including the Sussex Pad on the A27 will be sought.*
- *Encourage proposals to extend the existing cycle network and secure a network of cycle, pedestrian and bridleway facilities linking urban areas, key sites, open space, countryside and coast. These will include new and improved rights of way (suitable*

for a range of users, including those with mobility difficulties, where appropriate) as well as improved access across the A27.

- *Ensure that new development is located and designed to minimise the need for travel, facilitates and promotes the use of sustainable alternatives to the private car, and provides or contributes to the necessary infrastructure to serve the development and to mitigate against any adverse impacts to an acceptable level. Travel plans and Transport Assessments will be required for certain developments in line with West Sussex County Council guidance and the National Planning Policy Framework.*
- *Ensure new development contributes to the mitigation of air pollution, particularly in Air Quality Management Areas. Air quality assessments may be required. Where practical, new development should be located and designed to incorporate facilities for electric vehicle charging points, thereby extending the current network.*
- *Implement a range of measures to address car parking issues in Shoreham town centre.*
- *Apply the most up-to-date car parking and cycle parking standards.*
- *Pursue with West Sussex County Council ways of managing the impact of HGVs in Adur and implement measures as appropriate.*
- *Implement an area-wide behaviour change programme to encourage sustainable modes of transport and reduce demand for the private car. This should include a package of travel behaviour initiatives.*

3. Existing Conditions

Site and Environs

3.1 Dolphin Road Industrial Estate is a sizeable estate of 11.3 hectares. It provides in the region of 51,000m² of employment floor space. The site is adjacent to the rail line and to residential areas. Access is via primarily residential streets from the north, and is via the level crossing on Eastern Avenue from the A259 Coast Road. Dolphin Road is a no through-road and due to the proximity of the rail line has limited opportunities for accessibility by non-car modes of transport. The existing use of the site is as the main

recovery and vehicle storage depot for Westbourne Motoring Assistance. The business provides roadside repairs for other major road side assistance firms as well as providing their own services. The application site is currently used to repair vehicles, which cannot be repaired at the roadside, or have been involved in a collision. The site is also used to store vehicles that are waiting inspection by scene of crime officers from Sussex Police.

3.2 The access to the application site is rough 5metres wide and 60metres long. As Dolphin Road is straight the visibility afforded to vehicle emerging from and approaching the access is excellent, the same very high standards of visibility splays are afforded to every access along the length of Dolphin Way. Examples of the visibility splays from an X distance of 2.0metres at the access are shown below. Ideally an X distance of 2.4metres would be used in such a scenario. However, this is not a new development site, rather a reuse of an existing access and as noted below there are no recorded of any collisions associated with any of the access points along Dolphin Way, which are afforded similar visibility standards as the application site access.



Figure 1: LH Visibility Splay



Figure 2: RH Visibility Splay

3.3 The configuration Dolphin Road and the location of the application site mean that access to sustainable modes of transport is restricted. The nearest bus stops are located on Eastern Road and Brighton Road (A259). The closet rail station is Shoreham-by-sea, and shops are located on Brunswick Street. The following section of

the Statement will consider the application site's accessibility to sustainable transport modes, walking, cycling, and bus and rail services, and amenity facilities.

Accessibility by Foot and Cycle

3.4 It is generally accepted that walking and cycling provide realistic and important alternatives to the private car. Walking and cycling are also actively encouraged to form part of longer journeys that involve pubic transport.

3.5 The Institute of Highways and Transportation (IHT) have provided a number of guidance documents to help quantify acceptable walking and cycling distances with respect to the provision of sustainable travel:

- The maximum walking distance for commuting is 2 kilometres (Providing for Journeys on Foot, 2000)
- The maximum walk distance for non-commuting trips is 1.2 kilometres (Providing for Journeys on Foot, 2000)
- The mean average length for walking journeys is approximately 1 kilometre (0.6 miles) and for cycling, it is 4 kilometres (2.4 miles), although journeys of up to three times these distances are not uncommon for regular commuters. (LTN 1/04 - Policy, Planning and Design for Walking and Cycling)
- Reasonably fit people can comfortably cycle 8 kilometres to work (Cycle Friendly Infrastructure 1996)
- Optimum walking distances to bus stops should not exceed 400 metres (Planning for Public Transport in Development, 1999).

3.6 The distances people are prepared to walk or cycle depend on their fitness and physical ability, journey purpose, settlement size, and walking/cycling conditions.

3.7 Shoreham-by-sea rail station, being 1.4km from the site, is within a reasonable walking distance from the application site. However, the closest bus stops are beyond the typical walking distance. The nearest shops are located on Brunswick Road, which

are 1.3km from the application site. Given the lack of through route via Dolphin Way, opportunities to improve facilities for walking and cycling are limited.

Accessibility by Bus

3.8 The nearest bus stops on Eastern Road serve the Brighton and Hove Bus Company routes 2 and 60 and on Brighton Road (A259) the Stage Coach 700 Coastliner route. A summary of the destination served by these services and an indication of the frequencies are presented in tables 3.1 below.

Table 3.1: Summary of Bus Services

		Service Frequency	
Service	Route	Monday to Friday	Saturdays
2	Rottingdean - Woodingdean - Brighton - Hove - Portslade - Southwick - Shoreham - Bramber - Steyning	3 per hour*	3 per hour
60	Steyning - Shoreham - Southwick - Portslade - Hove - Brighton	2 Service in Peak Hour[s] Only	
700	Brighton - Worthing - Arundel or Portsmouth	6 per hour** (05:30 to 23:00)	6 per hour** (06:00 to 23:00)

*4 per hour in the peak hour **plus night hourly night services to 04:00

Accessibility by Train

3.9 Shoreham-by-sea Train Station is located approximately 1.4km from the application site, via Dolphin Way and Ham Road. The station is well connected to major centres of population along the south coast from Southampton to Brighton roughly every 10minutes, as well as Gatwick Airport, London Victoria every 10minutes in the peak hours and 30minutes at other times, and other long distance destinations. Examples time tables of the services via Shoreham-by-sea are attached as Appendix 3.

4. Proposed Development

4.1 The proposed development seeks to demolish an existing Industrial units and construct a new commercial building providing circa 2,450 m² of B2 (general industrial) and circa 1,000m² of B1a (office)

4.2 There are two exiting access to the site will be reused as part of this proposal, the first directly via Dolphin Way and the second via the existing Higgidy Pies site to the east of the application site. There is also a third access to the north via Middle Road that will remain as an emergency access to serve the eastern end of Dolphin Industrial Estate as a whole. There will be a total of 73 car parking spaces, 51 to serve general industrial element and 22 the office element.

4.3 The proposal will provide 20 long term cycle parking spaces with associated storage facilities for wet clothes and showers. Short term cycle parking facilities for visitors are already provided at the visitor entrance that is located on next door to the application site, which does not form part of this application site, but these spaces will still be used by all visitors to the business.

4.4 West Sussex County Council in the pre application consultation advised that this proposal should provide the following maximum number of parking spaces;

- **B1 Office Use** – one car parking space per 30m²
- **B2 Industrial Use** – one car parking space per 40m²

4.5 There is no mention in the email about the number of cycle parking space or facilities that should be provided. The supplementary planning guidance published by West Sussex County Council advises that cycling parking should be provided on the following basis;

- **B1 Office Use** – one space per 150 m² for staff and one space per 500m² for visitors
- **B2 Industrial Use** – one space per 200m² for staff and one space per 500m² for visitors

4.6 The proposed number of cycle and car parking spaces are based on the estimated demand that the proposal will create based on the demand of the existing staff.

5. Transport and Traffic Impact

5.1 This section of the Statement will establish the exiting trip rate of the application site and that generated by the proposed use.

Existing Use

5.2 The trip generation of the existing use has been based on information supplied by the Managing Director of Westbourne Motoring Assistance, attached as Appendix 4. The information provided indicates that the existing use would generate between 220 and 280 vehicle trips per day.

5.3 Version 7.2.4 of the database has been interrogated and there are no sites contained that accurately reflect this specific Sui Generis use. All sites within the data base are solely 'slow fit' and 'fast fit' type establishments that have no vehicle recovery or storage uses as described in 3.1, above. However, some sites within the database provide vehicle body repair facilities and as such would attract a similar type of traffic profile as this site. For instance, collision damaged vehicle would be delivered, repaired and/or removed by the owners. The profile of traffic movements associated with these sites could be similar to another motor vehicle storage/repair business that could occupy this site without the need to secure planning permission and should therefore be a material consideration. The sites used in the analysis are attached as part of Appendix 4.

5.4 This data suggests that such a 'slow fit' vehicle repair workshop would generate 6.427 vehicle movements per parking bay per day. Based on an allocation of 40 car parking spaces as noted in the current occupier's email attached as appendix 4 this site could generate up to 258 vehicle movements per day. This would suggest that the data provided by the current occupier is reflective of national averages for this type of business use.

Proposed Use

5.5 The Applicant has advised that the new site will employ a total of 150 people consisting of 30 new office staff and 30 shop floor staff per shift (120 people), and that there are four shifts per day. As this application proposal is to extend the business that uses adjacent premises it is reasonable to assume that the modal split, and thus the trip generation of new staff will reflect that of the staff currently employed by the applicant working next door to the application site.

5.6 A staff travel survey undertaken in November 2015 showed that 60% of staff drove, 10% car shared, 20% used public transport, and 10% walked or cycled to work. This modal split divided by the new staff suggests that the proposal will generate a total of 180 vehicle movements per day (30 office staff x 60% car user's x2 trips plus 120 total shift workers x 60% car user's x 2 trips).

5.7 The proposal will also attract other vehicle trips that are linked with other nearby business and the existing facility and therefore will not be new vehicles trips on the network. For instance, deliveries of supplies, sales representatives, customer visits, maintenance activities and postal deliveries are already made to the current site and will therefore not generate an additional impact on the local road network. As such these will not be new vehicle movements and have not been included in the Statement.

5.8 It is recognised that this is based in the existing patterns of staff travel and that the Local Highway and Planning Authority must be mindful of any future implication of another occupier taking over the site. To establish the generic trip impact that an industrial site with a mix of B1(a) and B2 uses would generate the TRICS database version 7.2.4 has been interrogated.

5.9 Only 'Industrial Units' in the database in the 'suburban' or 'edge of town centre' categories have been used. This dataset was further reduced to reflect the local population, only sites with a population of less than 250,000 within 5 miles have been included with the final analysis. Final filters were applied removing sites that did not have a mix of uses, i.e. they were solely B2 and had no office element, or sites that did

not undertake a shift based manufacturing activity. These filters have been employed to ensure that the estimated number of trips generated by this proposal will be representative. The sites included in the analysis have been attached as Appendix 5.

5.10 The trip rate of the proposed uses based on the TRICS data is 117 vehicle movements per day. It should be noted that the TRICS surveys took place between 07:00 and 19:00, so would have therefore not recorded the traffic movements generated at the start of the earliest shift and those at the end of the latest shift, or any other vehicle movements associated these early and late shifts.

5.11 Section 7 of this Transport Assessment will describe the opportunities associated with this application site in terms of reducing the need to travel by car and the measures that can be successfully introduced.

6. Collision Statistics and Risk

6.1 To evaluate the likely risk of an increase in collisions associated with this proposal collision data for the past 3 years to December 2015 has been retrieved from Sussex Safer Roads Partnership; the data is attached as Appendix 6.

6.2 The data shows that there have been no collisions in the vicinity of the site on Dolphin Road. There is a record of one slight collision at the junction of Dolphin Way and Eastern Road. This would suggest that there are no intrinsic road safety issues that would be worsened by this proposal.

6.3 The Local Highway Authority has requested that a Road Safety Audit be provided in support of this Application. This is not necessary. The adopted policy of West Sussex County Council, September 2015, sets out the criteria when a Safety Audit is required, these are;

- Alteration to an existing highway,
- Intensification of use of an existing access. Intensification is generally defined as 50 or more vehicle movements per day. However, it is recommended that clarification is sought from WSCC where a proposal involves the intensification

of an existing access as other issues such as collision data, visibility and geometry would need to be considered.

- Formation of a new access,
- Off-site highway improvements,
- New residential estate roads where a through route is created, where a bus route is created or where the road serves access to a school or other major community or retail facility.

6.4 None of these categories are triggered by this proposal, the existing access will not be altered, the use of the existing access will not be intensified, a new access will not be formed, there are no off-site highway improvements necessary, and this proposal is not for a new residential estate road. There is no evidence that this proposal will generate a vehicle impact that would be to the detriment to highway safety. No further analysis is necessary.

7 Mitigation Measure

7.1 To reduce the effects of private car journeys by staff and visitors a Travel Plan will be drafted at an appropriate time as a long-term strategy for reducing the dependence of residents, staff on travel by private car, encourage the use of sustainable modes of transport, and discourage essential car journey to be undertaken outside peak hours. The main aim of the strategy will be to reduce the environmental impact of travel to the development and will include the following objectives;

- Promote and enable increased use of walking, cycling, public transport use, car sharing, and car clubs as alternatives to sole car use;
- Provide a Resident Travel Plan introduction pack including taster public transport tickets to form sustainable travel patterns;
- A commitment to reduce carbon emissions associated with business and commuter travel;

- Increase awareness of and improve road safety and personal security;
- Identify targets focussed on reductions in the level of business and commuter car use;
- Identify a monitoring framework, which shall include a commitment to undertake annual staff travel surveys for at least five years, or until such time as the targets identified are met, to enable the Travel Plan to be reviewed and updated as appropriate;
- Submitted a review, as necessary, to the Local Planning Authority to update on progress towards meeting targets;

7.2 The aim of the overall Travel Plan is a reduction in private car mileage in favour of more sustainable modes of travel or car sharing where possible. The objective reflects, and is intended to achieve, current Government policy in respect of transport. The commitment to the Travel Plan can be secured via a Section 106 Agreement or by condition.

8. Conclusions and Recommendation

8.1 Reeves Transport Planning has been appointed to provide a Transport Statement in support of a planning application (AWDM/1880/15) to demolish existing buildings and construct a new commercial building providing circa 2,450 m² of B2 (general industrial) and circa 1,000 m² of B1a (office) on land at Dolphin Way Industrial Estate.

8.2 The existing use of the site consists of a vehicle workshop and storage facility for Westbourne Motoring Assistance. The current use generates up to 280 vehicle movements per day. The site is within a reasonable walking distance from the nearest train station but bus stops are just over what is defined as a reasonable distance. However, the staff travel survey shows that without intervention of a formal Travel Plan they are currently achieving excellent results, 30% of staff currently use sustainable modes of transport. There is no opportunity to improve access to sustainable modes of transport due to the location of the site and proximity to the rail

line. However, it is reasonable to assume that new staff will choose modes of transport that reflect those of the existing staff, 30% of staff using sustainable modes. By way of a comparison TRICS notes that the 'Industrial Units' trip rate noted above achieves only 12% using sustainable modes of transport.

8.3 This proposal represents the expansion of an existing business and therefore a number of the vehicle movements associated with the existing adjacent site will be linked to this site, such as deliveries, customer visits, and maintenance visits. The number of new vehicle movements will be derived from new staff only. Based on the existing distribution of modes it is expected that this proposal will generate a maximum of 54 vehicle movements in the hours that cover office start time and shift change, i.e. 18 arrivals (or departures) of office staff, 18 arrival of new shift, and 18 departures of old shift. It should be noted that the business will operate 24 hours per day and therefore just under ½ of the shift worker trips generated by this proposal will take place outside normal daytime business hours.

8.4 This proposal will provide 20 long term cycle parking spaces and storage facilities for wet clothes and showers. A total of 73 car parking spaces, 51 to serve general industrial element and 22 the office element will be provided. This provides sufficient capacity to accommodate the demand at the shift changing periods, based on experience at the adjacent site and capacity to accommodate the existing staff.

8.5 It can be seen from the information above that there will be a reduction in the number of vehicles that will use the site. To further encourage the use of sustainable modes of transport the applicant is willing to provide a Travel Plan Statement that will set targets to encourage greater use of sustainable modes of transport such as cycling and car sharing. This will further reduce the number of vehicle movements associated with the application site and contribute to reducing CO_2 and NOx emissions.

8.6 In a later consultation response dated 2nd February West Sussex County Council acting in their capacity as the Local Highway Authority have included a request for a financial contribution of £94,072. There is no justification to show that this level of contribution is necessary or reasonable. The NPPF/NPPG and CIL Regulations set out the circumstances by which financial contributions may be sought to facilitate provision or

improvement to infrastructure that is **required as a direct consequence of the development proposal**. The Regulations do not support the securing of contributions towards general improvements or matters that do not directly arise from the development proposal and that should be funded through usual channels.

8.7 There will be no material increase in traffic generated by this proposal that could be considered as severe. In fact, there will be a significant reduction in the volume of traffic that the site will generate. The data on likely traffic impact of the existing and proposed uses is set out in the summary table below;

Table 8.1 Trip Rate Comparison (vehicle movements per day)		
	Current	Proposed
	Existing Use	Proposed Use
TRICS Data	258*	117*
Surveyed/Reported	220 to 280**	180**
*Excludes trips between 19:00 and 07:00 **24hour		

8.8 This data shows that the volume of traffic generated by the proposed use will be significantly less than that generated by the existing use. There is no basis on which to argue that the proposal will generate a traffic impact that could be considered as severe.

8.9 This Statement has shown that this proposal fully complies with the policies at a local and national level noted above. It is recommended that if the Local Planning Authority are minded to approve this application conditions are included the secure;

- Car parking provision
- Cycle parking facilities, and
- Staff Travel Plan Statement

APPENDIX 1:
LOCATION PLAN


Application Site Location
KINGSTON BY SEA
Southwick
Albion St
Albion St
A259
River Adur
A259
Shoreham-by-Sea
River Adur
A259

APPENDIX 2:
WEST SUSSEX COUNTY COUNCIL'S CONSULTATION RESPONSE

Steve Reeves

From: Anthony Foster <anthony.foster@dowsettmayhew.com>
Sent: 09 December 2015 11:37
To: Steve Reeves
Subject: FW: Higgidy Pre-app Sketches

Steve

See below this gives an idea of what is required by WSCC

Thanks

Anthony

From: Peter Barnett <peter.barnett@adur-worthing.gov.uk>
Date: Wednesday, 9 December 2015 at 10:43
To: Anthony Foster <anthony.foster@dowsettmayhew.com>
Cc: Suzy Bastable <suzy.bastable@adur-worthing.gov.uk>, James <James@higgidy.co.uk>
Subject: Fwd: Higgidy Pre-app Sketches

Dear Anthony

I have just received the response below from Dominic Smith at WSCC. He is suggesting that a full TA is required, but that it would not need to be as extensive as for other schemes. If you have any queries on the requirements, please contact Dominic direct.

Regards

Peter

Peter Barnett | Principal Planning Officer | Adur & Worthing Councils
01903 221310 | http://www.adur-worthing.gov.uk

---------- Forwarded message ----------
From: **Dominic Smith** <dominic.smith@westsussex.gov.uk>
Date: 9 December 2015 at 10:33
Subject: RE: Higgidy Pre-app Sketches
To: Peter Barnett <peter.barnett@adur-worthing.gov.uk>

Morning Peter,

Apologies for the delay in getting back to you.

Strictly speaking, a full TA would be required. However, given the number of additional employees it's unlikely to need extensive detail. Trip generation is essential and if this leads

to an increase of 50 or more movements on a junction during an hour (which I think is unlikely) capacity testing would need to be undertaken on the junction. A summary of the sustainable access options should also be included with commentary surrounding any improvements that may be required to facilitate additional demand. Commentary about the site access should also be included and an assessment as to whether the access is suitable to accommodate an intensification in movement (i.e. geometry, visibility, any accident history).

It's difficult to advise on whether the parking would be adequate for their needs without knowing more about how they operate, the current travel patterns, likely trip generation etc. A review would need to be included in the TA to justify the provision. As it's shift work, they'll need to look at the parking accumulation and ensure there is enough parking on-site to cater for the changeover.

Maximum standards are as follows:

B1 – 1 space per 30sqm

B2 – 1 space per 40sqm

Warehousing – 1 space per 100sqm (plus min 1 lorry space + 1 space per 500sqm)

The application of the max standards won't be necessary at this location if it can be demonstrated a lower provision will be appropriate. If they have information on the existing travel patterns and delivery schedules that would be useful in the assessment. If it's a case of providing enough to accommodate existing parking too then they should include information relating to the whole site and I'll be happy to comment on both scenarios.

Kind regards,

Dominic

Dominic Smith |Team Manager, County Highways (Development Management), Strategic Planning, West Sussex County Council | Location: Ground Floor, Northleigh, County Hall, Chichester, PO19 1RH
Internal: 25711 | External: 0330 222 5711 | E-mail: dominic.smith@westsussex.gov.uk

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APPENDIX 3:
EXAMPLE RAIL SERVICE TIMETABLES

ON TRACK APP

Train information at your fingertips; southernrailway.com/app

FOLLOW US
@SouthernRailUK

BOOK ONLINE
Book tickets nationwide at southernrailway.com

MY TIMES
Create and print your own timetable online at southernrailway.com

TRAIN TIME INFORMATION:
03457 48 49 50 | nationalrail.co.uk

SOUTHERN CUSTOMER SERVICES:
03451 27 29 20 | southernrailway.com

This timetable shows the service between London and Brighton to Shoreham-by-Sea, Worthing and Littlehampton

WINTER TRAIN TIMES
13 DECEMBER 2015 TO 14 MAY 2016

LITTLEHAMPTON AND WORTHING TO LONDON AND BRIGHTON

UPDATED

SN6 SN8



Mondays to Fridays — Littlehampton, Worthing and Shoreham-by-Sea to Brighton and London

Operator		SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities		1	1	1	1 6 M	1 6	1 6 M	6	1 6	1 6	1 6	6	6	1 6	1 6	6	1 6	1	6	5	6	1	5	1 6	1	6	6	1		
Notes																														
Southampton Central	d														06 10								07 06c	07 33						
Portsmouth Harbour	d		04 30e						05 28			06 04			06 15e			07 01			07 20			07 45e			08 29			
Portsmouth & Southsea	d		04 35e						05 32			06 08			06 20e			07 05			07 24			07 50e			08 33			
Fratton	d		04 39e						05 36			06 12			06 24e			07 09			07 28			07 54e			08 37			
Havant	d		05 01					05 22c	05 48			06 20			06 53			07 19			07 36		07 47c	08 13			08 46			
Chichester	d		05 12					05 33c	06 09			06 35			07 08			07 32			07 47		08 08c	08 30			09 00			
Bognor Regis	d		05 10c	05 30				05 55	06 05c			06 22c			06 54c			07 27c			07 36c		08 13	08 26c			08 56c			
Barnham	d	04 48	05 20	05 37				06 02	06 18			06 43			07 16			07 40			07 55		08 20	08 39			09 08			
Littlehampton	d	05 02				05 57	05 52				06 29	06 40			07 00		07 22	07 29		07 45		08 01	08 14			08 51		09 14		
Angmering	d	05 10	05 30	05 48			06 01	06 13	06 29	06 39	06 49	06 54			07 09	07 26	07 30	07 38		07 53	08 06	08 10	08 23	08 31	08 49	09 00		09 18	09 22		
Goring-by-Sea	d	05 14		05 52			06 05	06 17	06 33	06 43	06 53	06 58			07 14	07 30	07 34	07 42		07 57		08 14	08 27	08 35		09 04			09 26		
Durrington-on-Sea	d	05 17		05 54			06 08	06 19	06 36	06 46	06 56	07 01			07 17	07 33	07 37	07 45		08 00	08 12	08 17	08 30	08 37	08 55	09 06			09 29		
West Worthing	d	05 19		05 56			06 10	06 21	06 38	06 49	06 59	07 03	07 10	07 19	07 35	07 39	07 47			08 02		08 19	08 32	08 39	08 57	09 08	09 13		09 31	09 43	
Worthing	d	05 22	05 37	05 59			06 13	06 24	06 41	06 52	07 02	07 06	07 13	07 22	07 38	07 42	07 50	07 54	07 59	08 05	08 16	08 22	08 35	08 42	09 00	09 11	09 16	09 26	09 34	09 46	
East Worthing	d	05 24		06 02				06 27	06 43				07 15			07 44		07 50		08 07		08 24		08 45			09 18			09 48	
Lancing	d	05 27	05 41	06 05			06 17	06 30	06 46	06 56	07 06	07 10	07 19	07 27	07 42	07 47	07 54			08 10	08 20	08 27	08 39	08 48	09 04		09 21	09 30	09 38	09 51	
Shoreham-by-Sea	d	05 32	05 45	06 09			06 22	06 34	06 51	07 01	07 11	07 15	07 23	07 31	07 46	07 52	07 59	08 06	08 15	08 24	08 32	08 43	08 52	09 08	09 17	09 26	09 34	09 42	09 56	
Southwick	d	05 35		06 12				06 37	06 54			07 18	07 27		07 49	07 55			08 18	08 27	08 35		08 55	09 11		09 29	09 37		09 59	
Fishersgate	d	05 37		06 14				06 39	06 56				07 29			07 57			08 20		08 37		08 57			09 31			10 01	
Portslade	d	05 39	05 50	06 17			06 27	06 41	06 59	07 06	07 16	07 22	07 31	07 36	07 52	07 59	08 04		08 22	08 31	08 39	08 48	08 59	09 15		09 33	09 40	09 47	10 03	
Aldrington	d	05 41		06 19				06 43	07 01				07 33			08 01			08 24		08 41		09 02			09 35			10 05	
Hove	a	05 43	05 54	06 21			06 30	06 45	07 03	07 09	07 19	07 25	07 35	07 40	07 55	08 03	08 07	08 13	08 26	08 34	08 43	08 51	09 04	09 18	09 23	09 37	09 43	09 50	10 07	
Brighton 10	a	05 48	06 00g	06 26			06 42g	06 50	07 08	07 23g		07 30	07 40	07 54g	08 00	08 08		08 19	08 31	08 38	08 48	09 03g	09 08	09 22	09 30g	09 42	09 48	09 59g	10 12	
Haywards Heath	a		06 11				06 51			07 29	07 37			07 59			08 28					09 12			09 40			10 06		
Gatwick Airport	a		06 26		06 59	07 10	06 59										08 42					09 25			09 55			10 25		
East Croydon	a		06 42			07 26	07 35			07 56	08 07			08 29			08 57					09 41			10 11			10 41		
London Bridge	a		07 14b			07 48	07 56			08 18	08 42b			08 53b			09 24b					10 12b			10 32b			11 02b		
Clapham Junction 10	a		06 51			07 41b					08 17			08 41			09 09					09 52			10 20			10 50		
London Victoria 10	a		06 58			07 51b					08 27			08 53			09 21					10 02			10 28			10 58		

Operator		SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities		1	1			1		1	1			1			1	1				1		1	1			1		1	1		
Notes																														
Southampton Central	d	08 32						09 32						10 32						11 32						12 32				
Portsmouth Harbour	d	08 45e			09 29			09 45e			10 29			10 45e			11 29			11 45e			12 29			12 45e			13 29	
Portsmouth & Southsea	d	08 50e			09 33			09 50e			10 33			10 50e			11 33			11 50e			12 33			12 50e			13 33	
Fratton	d	08 54e			09 37			09 54e			10 37			10 54e			11 37			11 54e			12 37			12 54e			13 37	
Havant	d	09 11			09 46			10 11			10 46			11 11			11 46			12 11			12 46			13 11			13 46	
Chichester	d	09 24			10 00			10 24			11 00			11 24			12 00			12 24			13 00			13 24			14 00	
Bognor Regis	d	09 06c			09 56c			10 06c			10 56c			11 06c			11 56c			12 06c			12 56c			13 06c			13 56c	
Barnham	d	09 32			10 08			10 32			11 08			11 32			12 08			12 32			13 08			13 32			14 08	
Littlehampton	d		09 47			10 14			10 51			11 14			11 51			12 14			12 51			13 14			13 51			
Angmering	d	09 44	09 55		10 18	10 22		10 44	10 59		11 18	11 22		11 44	11 59		12 18	12 22		12 44	12 59		13 18	13 22		13 44	13 59		14 18	
Goring-by-Sea	d	09 48	09 59			10 26		10 48	11 03			11 26		11 48	12 03			12 26		12 48	13 03			13 26		13 48	14 03				
Durrington-on-Sea	d	09 50	10 02			10 29		10 50	11 06			11 29		11 50	12 06			12 29		12 50	13 06			13 29		13 50	14 06				
West Worthing	d	09 52	10 04	10 13		10 31	10 43	10 52	11 08	11 13		11 31	11 43	11 52	12 08	12 13		12 31	12 43	12 52	13 08	13 13		13 31	13 43	13 52	14 08	14 13			
Worthing	d	09 55	10 07	10 16	10 26	10 34	10 46	10 55	11 11	11 16	11 26	11 34	11 46	11 55	12 11	12 16	12 26	12 34	12 46	12 55	13 11	13 16	13 26	13 34	13 46	13 55	14 11	14 16	14 26	
East Worthing	d			10 18			10 48			11 18			11 48			12 18			12 48			13 18			13 48			14 18		
Lancing	d	09 59		10 21	10 30	10 38	10 51	10 59		11 21	11 30	11 38	11 51	11 59		12 21	12 30	12 38	12 51	12 59		13 21	13 30	13 38	13 51	13 59		14 21	14 30	
Shoreham-by-Sea	d	10 04	10 13	10 26	10 34	10 42	10 56	11 04	11 17	11 26	11 34	11 42	11 56	12 04	12 17	12 26	12 34	12 42	12 56	13 04	13 17	13 26	13 34	13 42	13 56	14 04	14 17	14 26	14 34	
Southwick	d	10 07		10 29	10 37		10 59	11 07		11 29	11 37		11 59	12 07		12 29	12 37		12 59	13 07		13 29	13 37		13 59	14 07		14 29	14 37	
Fishersgate	d			10 31			11 01			11 31			12 01			12 31			13 01			13 31			14 01			14 31		
Portslade	d	10 10		10 33	10 40	10 47	11 03	11 10		11 33	11 40	11 47	12 03	12 10		12 33	12 40	12 47	13 03	13 10		13 33	13 40	13 47	14 03	14 10		14 33	14 40	
Aldrington	d			10 35			11 05			11 35			12 05			12 35			13 05			13 35			14 05			14 35		
Hove	a	10 13	10 19	10 37	10 43	10 50	11 07	11 13	11 23	11 37	11 43	11 50	12 07	12 13	12 23	12 37	12 43	12 50	13 07	13 13	13 23	13 37	13 43	13 50	14 07	14 13	14 23	14 37	14 43	
Brighton 10	a	10 18	10 29g	10 42	10 48	10 59g	11 12	11 18	11 29g	11 42	11 48	12 01g	12 12	12 18	12 29g	12 42	12 48	12 59g	13 12	13 18	13 29g	13 42	13 48	13 59g	14 12	14 18	14 29g	14 42	14 48	
Haywards Heath	a		10 35			11 06			11 39			12 06			12 39			13 06			13 39			14 06			14 39			
Gatwick Airport	a		10 56			11 25			11 55			12 25			12 55			13 25			13 55			14 25			14 55			
East Croydon	a		11 12			11 41			12 11			12 41			13 11			13 41			14 11			14 41			15 11			
London Bridge	a		11 32b			12 02b			12 32b			13 02b			13 32b			14 02b			14 32b			15 02b			15 32b			
Clapham Junction 10	a		11 21			11 50			12 20			12 50			13 20			13 50			14 20			14 50			15 20			
London Victoria 10	a		11 28			11 57			12 27			12 57			13 27			13 57			14 27			14 57			15 27			

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities			1		1	1				1		1 R N	1	1			1		1	1			1		1	1		1	1		1	
Notes																																
Southampton Central		d			13 32					14 26	14 34							15 32					16 12e	16 32			17 32				
Portsmouth Harbour		d			13 45e			14 29		14 45e						15 29				16 29		16 40	16 45e		17 29		17 45e				
Portsmouth & Southsea		d			13 50e			14 33		14 50e						15 33				16 33		16 46	16 50e		17 33		17 50e				
Fratton		d			13 54e			14 37		14 54e						15 37				16 37		16 50	16 54e		17 37		17 54e				
Havant		d			14 11			14 46		15 09	15 15					15 46				16 46		17 00	17 11		17 46		18 11				
Chichester		d			14 24			15 00		15 20	15 29					16 00				17 00		17 20	17 25		18 00		18 25				
Bognor Regis		d			14 06c			14 56c		15 06c	15 27c					15 56c				16 56c		17 18c			17 56c		18 19c	18 33			
Barnham		d			14 32			15 08		15 28	15 38					16 08				17 08		17 28	17 33		18 08		18 33	18 40			
Littlehampton		d	14 14			14 51			15 14					15 49	15 44		16 14			16 51			17 14			17 51		18 14			
Angmering		d	14 22		14 44	14 59		15 18	15 22		15 39		15 39	16 00	15 53	16 18	16 22		16 44	17 00		17 18	17 22		17 44	17 59	18 18	18 22	18 44	18 53		
Goring-by-Sea		d	14 26		14 48	15 03			15 26				15 43	16 04	15 57		16 26		16 48	17 04			17 26		17 48	18 03		18 26		18 57		
Durrington-on-Sea		d	14 29		14 50	15 06			15 28				15 46	16 06	16 00		16 29		16 50	17 07			17 29		17 51	18 06		18 29	18 50	19 00		
West Worthing		d	14 31	14 43	14 52	15 08	15 16		15 30	15 39			15 48	16 08	16 03		16 31	16 43	16 52	17 09	17 13		17 31		17 53	18 08		18 31	18 52	19 02		
Worthing		d	14 34	14 46	14 55	15 11	15 19	15 26	15 33	15 42		15 55	15 59	16 11	16 15	16 26	16 34	16 46	16 55	17 12	17 16	17 26	17 34	17 43	17 56	18 11	18 25	18 34	18 55	19 05	
East Worthing		d		14 48			15 21		15 36	15 44					16 17			16 48			17 18			17 46			18 28		18 57		
Lancing		d	14 38	14 51	14 59		15 24	15 30	15 39	15 47			16 03		16 20	16 30	16 38	16 51	16 59		17 21	17 30	17 38	17 49	18 00		18 31	18 38	19 00	19 09		
Shoreham-by-Sea		d	14 42	14 56	15 04	15 17	15 29	15 34	15 43	15 52		16 01	16 07	16 17	16 25	16 34	16 42	16 56	17 04	17 18	17 26	17 34	17 42	17 53	18 04	18 17	18 35	18 42	19 05	19 13	
Southwick		d		14 59	15 07		15 32	15 37		15 55			16 10		16 28	16 37		16 59	17 07		17 29	17 37		17 56	18 07		18 38		19 08		
Fishersgate		d		15 01			15 34			15 57					16 30			17 01			17 31			17 58			18 40		19 10		
Portslade		d	14 47	15 03	15 10		15 36	15 40	15 48	15 59			16 13		16 32	16 40	16 47	17 03	17 10		17 33	17 40	17 47	18 00	18 11		18 42	18 47	19 12	19 18		
Aldrington		d		15 05			15 38			16 01					16 34			17 05			17 35			18 02			18 44		19 14		
Hove		a	14 50	15 07	15 13	15 23	15 40	15 43	15 51	16 03		16 07	16 16	16 23	16 36	16 43	16 50	17 07	17 13	17 24	17 37	17 43	17 50	18 04	18 14	18 23	18 46	18 50	19 16	19 21	
Brighton	10	a	14 59g	15 12	15 18	15 29g	15 45	15 48	15 59g	16 08		16 14	16 21	16 30g	16 41	16 48	16 59g	17 12	17 18	17 31g	17 42	17 48	18 06g	18 09	18 18	18 29g	18 51	19 04g	19 21	19 29g		
Haywards Heath		a	15 06			15 39			16 07					16 40			17 06			17 40			18 06			18 39		19 06		19 37	
Gatwick Airport		a	15 25			15 55			16 26					16 55			17 25			17 55			18 25			18 56		19 26		19 55	
East Croydon	Z5	a	15 41			16 11			16 41					17 10			17 43			18 13			18 42			19 12		19 41		20 11	
London Bridge	Z1	a	16 20b			16 35b			17 13b					17 39b			18 07b			18 32b			19 02b			19 32b		20 22b		20 49b	
Clapham Junction	10 Z2	a	15 50			16 20			16 51					17 22			17 53			18 23			18 53			19 23		19 52		20 20	
London Victoria	10 Z1	a	15 57			16 28			16 58					17 29			18 00			18 31			19 00			19 30		19 59		20 28	

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities				1	1	1	1		1	1	1	1			1	1		1	1	1	
Notes																					
Southampton Central		d				18 32					19 32					20 32			21 13	21 33e	22 13e
Portsmouth Harbour		d		18 27		18 45e			19 23h		19 45e			20 23h		20 45e		20 59h		22 15	22 44
Portsmouth & Southsea		d		18 31		18 50e			19 32		19 50e			20 32		20 50e		21 15		22 19	22 48
Fratton		d		18 35		18 54e			19 36		19 54e			20 36		20 54e		21 19		22 23	22 52
Havant		d		18 43		19 11			19 46		20 11			20 45		21 12		21 31	21 56	22 35	23 05
Chichester		d		18 58		19 22			20 01		20 24			20 59		21 24		21 52	22 07	22 52	23 17
Bognor Regis		d		18 46c		19 03c	19 33		19 57c			20 33				21 04c		21 39c	22 00c	22 30c	23 15c
Barnham		d		19 06		19 30	19 40		20 09		20 32	20 40		21 07		21 32		22 00	22 15	23 00	23 26
Littlehampton		d	18 52		19 14			19 52		20 14			20 52			21 14		21 52		22 33		23 40
Angmering		d	19 00	19 15	19 22	19 40	19 53	20 01	20 18	20 22	20 43	20 53	21 01	21 16	21 22	21 43	22 01	22 11	22 41	23 11	23 48
Goring-by-Sea		d	19 04		19 26	19 44	19 57	20 05		20 26		20 57	21 05		21 26	21 47	22 05	22 15	22 45	23 15	23 52
Durrington-on-Sea		d	19 07		19 29	19 47	20 00	20 08		20 29	20 48	21 00	21 07		21 29	21 50	22 08	22 18	22 47	23 17	23 54
West Worthing		d	19 12		19 31	19 49	20 02	20 13		20 31	20 50	21 02	21 13		21 31	21 52	22 13	22 20	22 49	23 19	23 56
Worthing		d	19 15	19 23	19 34	19 51	20 05	20 16	20 25	20 34	20 53	21 05	21 16	21 24	21 34	21 55	22 16	22 23	22 52	23 22	23 59
East Worthing		d	19 17	19 25		19 54		20 18	20 28		20 56		21 18	21 26		21 57	22 18	22 25	22 55	23 25	00 02
Lancing		d	19 20	19 28	19 38	19 57	20 09	20 21	20 31	20 38	20 59	21 09	21 21	21 29	21 38	22 00	22 21	22 28	22 58	23 28	00 05
Shoreham-by-Sea		d	19 25	19 32	19 42	20 02	20 13	20 26	20 35	20 42	21 03	21 13	21 26	21 33	21 42	22 05	22 26	22 32	23 02	23 32	00 09
Southwick		d	19 28	19 35		20 05		20 29	20 38		21 06		21 29	21 36		22 08	22 29	22 35	23 05	23 35	00 12
Fishersgate		d	19 30	19 37		20 07		20 31	20 40		21 08		21 31	21 38		22 10	22 31	22 37	23 07	23 37	00 14
Portslade		d	19 32	19 39	19 47	20 09	20 18	20 33	20 42	20 47	21 10	21 18	21 33	21 40	21 47	22 12	22 33	22 39	23 09	23 39	00 16
Aldrington		d	19 34	19 42		20 11		20 35	20 44		21 12		21 35	21 43		22 14	22 35	22 42	23 11	23 41	00 18
Hove		a	19 36	19 44	19 50	20 13	20 21	20 37	20 46	20 50	21 14	21 21	21 37	21 45	21 50	22 16	22 37	22 44	23 13	23 43	00 20
Brighton	10	a	19 41	19 48	19 59g	20 18	20 29g	20 42	20 51	20 59g	21 19	21 29g	21 42	21 49	21 59g	22 21	22 42	22 48	23 18	23 48	00 25
Haywards Heath		a			20 06		20 38			21 06		21 38			22 10						
Gatwick Airport		a			20 25		20 57			21 25		21 57			22 25						
East Croydon	Z5	a			20 41		21 12			21 41		22 12			22 40						
London Bridge	Z1	a			21 22b		21 49b			22 22b		22 50b			23 24b						
Clapham Junction	10 Z2	a			20 50		21 22			21 50		22 22			22 50						
London Victoria	10 Z1	a			20 57		21 29			21 58		22 29			22 57						

Saturdays

Littlehampton, Worthing and Shoreham-by-Sea to Brighton and London

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN
Facilities			1	1	1		1		1	1		1	1				1	1		
Notes																				
Southampton Central		d														06 13e	06 32			
Portsmouth Harbour		d		04 43e					05 19r			06 29				06 48				07 29
Portsmouth & Southsea		d		04 56					05 24r			06 33				06 54				07 33
Fratton		d		05 00					05 28r			06 37				06 58				07 37
Havant		d		05 08					05 52f			06 46				07 08	07 11			07 46
Chichester		d		05 19					06 24			07 00				07 20	07 25			08 00
Bognor Regis		d		05 13c		05 43			06 13c			06 56c				07 06c				07 56c
Barnham		d	04 48	05 27		05 50			06 32			07 08				07 28	07 33			08 08
Littlehampton		d	05 02		05 45		06 14			06 51			07 14						07 51		
Angmering		d	05 10		05 53	06 00	06 22		06 44	06 59		07 18	07 22				07 44	07 59		08 18
Goring-by-Sea		d	05 14		05 57	06 04	06 26		06 48	07 03			07 26				07 48	08 03		
Durrington-on-Sea		d	05 17		06 00	06 07	06 29		06 50	07 06			07 29				07 50	08 06		
West Worthing		d	05 19		06 02	06 09	06 31	06 43	06 52	07 08	07 13		07 31	07 38			07 52	08 08	08 13	
Worthing		d	05 22	05 42	06 05	06 12	06 34	06 46	06 55	07 11	07 16	07 26	07 34	07 41	07 50	07 55	08 11	08 16	08 26	
East Worthing		d	05 24			06 14		06 48			07 18			07 43				08 18		
Lancing		d	05 27		06 09	06 17	06 38	06 51	06 59		07 21	07 30	07 38	07 46		07 59		08 21	08 30	
Shoreham-by-Sea		d	05 32	05 48	06 13	06 22	06 42	06 56	07 04	07 17	07 26	07 34	07 42	07 51	07 57	08 04	08 17	08 26	08 34	
Southwick		d	05 35			06 25		06 59	07 07		07 29	07 37		07 54		08 07		08 29	08 37	
Fishersgate		d	05 37			06 27		07 01			07 31			07 56				08 31		
Portslade		d	05 39		06 17	06 29	06 47	07 03	07 10		07 33	07 40	07 47	07 58		08 10		08 33	08 40	
Aldrington		d	05 41			06 31		07 05			07 35			08 00				08 35		
Hove		a	05 43	05 54	06 21	06 33	06 50	07 07	07 13	07 23	07 37	07 43	07 50	08 02	08 07	08 13	08 23	08 37	08 43	
Brighton	10	a	05 48	06 00g	06 29g	06 38	06 59g	07 16	07 19	07 29g	07 42	07 48	07 59g	08 09	08 15	08 18	08 29g	08 42	08 48	
Haywards Heath		a		06 08	06 35		07 06			07 39			08 06				08 39			
Gatwick Airport		a		06 25	06 55		07 25			07 55			08 25				08 55			
East Croydon	Z5	a		06 40	07 11		07 41			08 11			08 41				09 11			
London Bridge	Z1	a		07 18b	07 49b		08 02b			08 32b			09 02b				09 32b			
Clapham Junction	10 Z2	a		06 50	07 20		07 50			08 20			08 50				09 20			
London Victoria	10 Z1	a		06 57	07 27		07 57			08 27			08 57				09 27			

Start of standard hourly service

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities			1		1	1		1	1		1			1					1	1
Notes																				

Sundays

Littlehampton, Worthing and Shoreham-by-Sea to Brighton and London

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities			1	1		1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Notes													P																		
Southampton Central		d							07 30				08 31	08 27				09 30				10 30				11 30				12 30
Portsmouth Harbour		d				07 14		07 44		08 14		08 44		08 48e	09 14		09 44		10 14		10 44		11 14		11 44		12 14		12 44	
Portsmouth & Southsea		d				07 18		07 48		08 18		08 48		08 53e	09 18		09 48		10 18		10 48		11 18		11 48		12 18		12 48	
Fratton		d				07 22		07 52		08 22		08 52		08 57e	09 22		09 52		10 22		10 52		11 22		11 52		12 22		12 52	
Havant		d				07 33		08 01	08 11	08 33		09 01	09 11	09 17	09 33		10 01	10 11	10 33		11 01	11 11	11 33		12 01	12 11	12 35		13 01	13 11
Chichester		d				07 53		08 15	08 23	08 53		09 15	09 22	09 30	09 53		10 15	10 23	10 53		11 15	11 23	11 53		12 15	12 23	12 55		13 15	13 23
Bognor Regis		d				07 34c		07 59c	08 20c			08 59c	09 20c				09 59c	10 20c			10 59c	11 20c			11 59c	12 20c			12 59c	13 20c
Barnham		d	06 06			08 02		08 23	08 32	09 02		09 23	09 30	09 38	10 02		10 23	10 32	11 02		11 23	11 32	12 02		12 23	12 32	13 03		13 23	13 32
Littlehampton		d	06 20	07 15	07 40		08 15				09 15					10 15				11 15				12 15			13 15			
Angmering		d		07 23	07 49	08 12	08 23		08 44	09 12	09 23			09 48	10 12	10 23		10 42	11 12	11 23		11 42	12 12	12 23		12 42	13 14	13 23		13 42
Goring-by-Sea		d		07 27	07 53	08 16	08 27		08 48	09 16	09 27			09 52	10 16	10 27		10 46	11 16	11 27		11 46	12 16	12 27		12 46	13 18	13 27		13 46
Durrington-on-Sea		d		07 30	07 55	08 19	08 30		08 51	09 19	09 30			09 55	10 19	10 30		10 49	11 19	11 30		11 49	12 19	12 30		12 49	13 20	13 30		13 49
West Worthing		d		07 32	07 57	08 21	08 32		08 53	09 21	09 32			09 57	10 21	10 32		10 51	11 21	11 32		11 51	12 21	12 32		12 51	13 22	13 32		13 51
Worthing		a	06 33	07 34	08 00	08 23	08 34 ATTACH	08 38	08 55	09 23	09 34 ATTACH	09 38	09 47	09 59	10 23	10 34 ATTACH	10 38	10 53	11 23	11 34 ATTACH	11 38	11 53	12 23	12 34 ATTACH	12 38	12 53	13 25	13 34 ATTACH	13 38	13 53	
Worthing		d	06 33	07 36	08 00	08 24	08 42		08 56	09 24	09 42		09 47	10 00	10 24	10 42		10 54	11 24	11 42		11 54	12 24	12 42		12 54	13 25	13 42		13 54	
East Worthing		d			08 03	08 26			08 58	09 26				10 02	10 26			10 56	11 26			11 56	12 26			12 56	13 28			13 56	
Lancing		d	06 37	07 40	08 06	08 29			09 01	09 29				10 05	10 29			10 59	11 29			11 59	12 29			12 59	13 31			13 59	
Shoreham-by-Sea		d	06 41	07 44	08 10	08 33	08 48		09 05	09 33	09 48		09 54	10 09	10 33	10 48		11 03	11 33	11 48		12 03	12 33	12 48		13 03	13 35	13 48		14 03	
Southwick		d	06 44	07 47	08 13	08 36			09 08	09 36				10 12	10 36			11 06	11 36			12 06	12 36			13 06	13 38			14 06	
Fishersgate		d			08 15	08 38			09 10	09 38				10 14	10 38			11 08	11 38			12 08	12 38			13 08	13 40			14 08	
Portslade		d	06 48	07 50	08 17	08 40			09 12	09 40				10 16	10 40			11 10	11 40			12 10	12 40			13 10	13 42			14 10	
Aldrington		d			08 19	08 43			09 15	09 43				10 19	10 43			11 13	11 43			12 13	12 43			13 13	13 44			14 13	
Hove		a	06 51	07 54	08 21	08 45	08 54		09 17	09 45	09 54		10 01	10 22	10 45	10 54		11 15	11 45	11 54		12 15	12 45	12 54		13 15	13 46	13 54		14 15	
Brighton	10	a	06 55	08 00g	08 26	08 50	09 05g		09 21	09 50	10 09g		10 07	10 26	10 50	11 05g		11 20	11 50	12 05g		12 20	12 50	13 05g		13 20	13 51	14 05g		14 20	
Haywards Heath		a		08 10			09 10				10 10					11 10				12 10				13 10				14 10		
Gatwick Airport		a		08 23			09 22				10 22					11 22				12 22				13 22				14 22		
East Croydon	Z5	a		08 41			09 38				10 38					11 38				12 38				13 38				14 38		
London Bridge	Z1	a		09 13b			10 18b				11 18b					12 18b				13 18b				14 18b				15 18b		
Clapham Junction	10	Z2 a		08 57			09 48				10 48					11 48				12 48				13 48				14 48		
London Victoria	10	Z1 a		09 04			09 56				10 56					11 56				12 56				13 56				14 56		

Operator			SN	GW	SN	SN	SN		SN	SN	SN	SN		GW	SN	SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities			1	◇	1	1	1		1	1	1	1		◇	1	1	1	◇	1	1	1	1	1	1	1	1	1	1	1	1
Notes				Q								R		Q				Q												
Southampton Central		d		13 04			13 30					14 30		15 06				19 26	19 30			20 29				21 30				
Portsmouth Harbour		d	13 14			13 44			14 14		14 44				19 14		19 44		19 48e	20 11	20 43	20 48e		21 14	21 44					
Portsmouth & Southsea		d	13 18			13 48			14 18		14 48				19 18		19 48		19 53e	20 15	20 47	20 53e		21 18	21 48					
Fratton		d	13 22			13 52			14 22		14 52				19 22		19 52		19 57e	20 19	20 51	20 57e		21 22	21 52					
Havant		d	13 33	13 47		14 01	14 11		14 33		15 01	15 11		15 45	19 33		20 01	20 10	20 18	20 29	21 00	21 17		21 33	22 01	22 11				
Chichester		d	13 53	13 58		14 15	14 23		14 53		15 15	15 23		15 58	19 53		20 15	20 21	20 31	20 50	21 14	21 30		21 53	22 15	22 23				
Bognor Regis		d		13 59c			14 20c				14 59c	15 20c		15 59c			19 59c		20 26c			21 20c				22 13c				
Barnham		d	14 02	14 11		14 23	14 32		15 02		15 23	15 32		16 11	20 02		20 23	20 29	20 39	20 58	21 22	21 38	⟵	22 02	22 24	22 32	⟵			
Littlehampton		d			14 15					15 15						20 15				21 14	21 42		21 42		22 43		22 43			
Angmering		d	14 12		14 23		14 42		15 12	15 23		15 42			20 12	20 23			20 49	21 22	⟵	21 48	21 52	22 12	⟵	22 42	22 52			
Goring-by-Sea		d	14 16		14 27		14 46		15 16	15 27		15 46			20 16	20 27			20 53	21 26		21 52	21 56	22 16		22 46	22 56			
Durrington-on-Sea		d	14 19		14 30		14 49		15 19	15 30		15 49			20 19	20 30			20 56	21 29		21 55	21 59	22 19		22 49	22 59			
West Worthing		d	14 21		14 32		14 51		15 21	15 32		15 51			20 21	20 32			20 58	21 31		21 57	22 01	22 21		22 51	23 01			
Worthing		a	14 23	14 28	14 34 ATTACH	14 38	14 53		15 23	15 34 ATTACH	15 38	15 53		16 28	20 23	20 34 ATTACH	20 38	20 46	21 00	21 33		21 59	22 03	22 23		22 53	23 03			
Worthing		d	14 24	14 30		14 42	14 54		15 24		15 42	15 54		16 31	20 24		20 42	20 46	21 01	21 34		22 00	22 04	22 24		22 54	23 04			
East Worthing		d	14 26				14 56		15 26			15 56			20 26				21 03	21 36		22 02	22 06	22 26		22 56	23 06			
Lancing		d	14 29				14 59		15 29			15 59			20 29				21 06	21 39		22 05	22 09	22 29		22 59	23 09			
Shoreham-by-Sea		d	14 33	14 38		14 48	15 03		15 33		15 48	16 03		16 38	20 33		20 48	20 53	21 10	21 43		22 09	22 13	22 33		23 03	23 13			
Southwick		d	14 36				15 06		15 36			16 06			20 36				21 13	21 46		22 12	22 16	22 36		23 06	23 16			
Fishersgate		d	14 38				15 08		15 38			16 08			20 38				21 15	21 48		22 14	22 18	22 38		23 08	23 18			
Portslade		d	14 40				15 10		15 40			16 10			20 40				21 17	21 50		22 16	22 20	22 40		23 10	23 20			
Aldrington		d	14 43				15 13		15 43			16 13			20 43				21 20	21 53		22 19	22 23	22 43		23 13	23 23			
Hove		a	14 45	14 49		14 54	15 15		15 45		15 54	16 15		16 49	20 45		20 54	20 59	21 22	21 55		22 22	22 26	22 45		23 15	23 27			
Brighton	10	a	14 50	14 55	15 04g		15 20		15 50		16 05g	16 20		16 56	20 50		21 08g	21 04	21 27	21 59		22 26	22 30	22 50		23 20	23 32			
Haywards Heath		a			15 10						16 10						21 10													
Gatwick Airport		a			15 22						16 22						21 22													
East Croydon	Z5	a			15 38						16 38						21 38													
London Bridge	Z1	a			16 18b						17 18b						22 18b													
Clapham Junction	10	Z2 a			15 48						16 48						21 48													
London Victoria	10	Z1 a			15 56						16 56						21 56													

Start of standard hourly service

Service repeats each hour until

General Information

This timetable shows train times from 13 December 2015 to 14 May 2016. Information correct at time of printing (October 2015).

This timetable shows the service between London and Brighton to Shoreham-by-Sea, Worthing and Littlehampton.

Changes to Train Times
National Rail Enquiries
03457 48 49 50 or www.nationalrail.co.uk
We advise you to consult National Rail Enquiries before travelling.

Improvement Work may affect train times, particularly at weekends.

Holiday Services
A revised service operates on public holidays. Further information at www.southernrailway.com

PLUSBUS
For unlimited local bus travel ask for PLUSBUS.
www.southernrailway.com/plusbus and www.plusbus.info

Bicycle Policy
Restrictions apply in the peak hours for carrying non-folding bikes. Details at www.southernrailway.com/cyclepolicy

MyTimes
The timetable that fits around you.
www.southernrailway.com/mytimes

Customer Services
For information, lost property, comments and suggestions.
Southern Customer Services,
PO Box 10240, Ashby-de-la-Zouch, LE65 9EB
Phone: 03451 27 29 20
e-mail: comments@southernrailway.com
www.southernrailway.com/customerservices

Assisted Travel
For help in planning an accessible journey with Southern.
Phone: 0800 138 1016
e-mail: myjourney@southernrailway.com
www.southernrailway.com/accessibility

Independent Passenger Groups
Transport Focus
www.transportfocus.org.uk

London TravelWatch
www.londontravelwatch.org.uk

Brighton Line Commuters
www.brightonlinecommuters.co.uk

Notes & Symbols

Bold Direct train
Light Connecting train
10 Recommended connecting time
1 First Class accommodation available
Z1-6 TravelCard Zone
PLUSBUS through ticketing available
Cycle restrictions for all or part of journey. Details at southernrailway.com/cyclepolicy
◇ Seat reservations available
R Seat reservations recommended
On-board catering service available for all or part of the journey
London Underground interchange
Croydon Tramlink interchange
Airport interchange
Change here for onward bus connections provided by Metrobus (metrobus.co.uk)
Ferry service interchange
Continued in later column
Continued from earlier column
DIVIDE Train divides at this station
ATTACH Train attaches at this station

GW Service operated by Great Western Railway
SN Service operated by Southern

a Arrival Time
b Change at East Croydon
c Change at Barnham
d Departure Time
e Change at Havant
f Change at Chichester
g Change at Hove
h Change at Portsmouth & Southsea
j Change at Haywards Heath
k Change at Barnham and Portsmouth & Southsea
n Change at East Croydon & Haywards Heath
q Change at Littlehampton
r Change at Havant & Chichester
s Stops to set down only

A To Worthing & Eastbourne. Train divides at Haywards Heath
B To Littlehampton & Hastings. Train divides at Haywards Heath
C To Great Malvern via Bristol Temple Meads
D To Littlehampton & Eastbourne. Train divides at Haywards Heath
E To Littlehampton & Ore. Train divides at Haywards Heath
F To Bristol Temple Meads
G To Bognor Regis & Eastbourne. Train divides at Haywards Heath
H To Worthing & Hastings. Train divides at Haywards Heath
J The 1133, 1233, 1333 & 1533 departures from Brighton arrive Southampton Central at 19 minutes past the hour
K To Cardiff Central via Bristol Temple Meads
L To Bristol Temple Meads. This train runs in addition to the standard hour service indicated

M Runs via Horsham
N From Great Malvern via Bristol Temple Meads
P From Romsey
Q From Cardiff Central via Bristol Temple Meads
R The 1530 departure from Southampton Central runs 4 minutes later from Havant to Hove and arrives Brighton 1724
S From Cardiff Central via Bristol Temple Meads. This train runs in addition to the standard hour service indicated

MX Service operates Tuesdays to Fridays only
TS Service operates Tuesday to Saturday mornings only

Mondays to Fridays — London and Brighton to Shoreham-by-Sea, Worthing and Littlehampton

Operator				SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN
Facilities					1	1	1				1	1		1				1	1						1	1		◇		1
Notes				MX	MX A																						B		C		D
London Victoria	10	Z1	d		00 05																						07 47				08 17
Clapham Junction	10	Z2	d		00 12																						07 53				08 23
London Bridge		Z1	d		23 42b																						07 31b				08 02b
East Croydon		Z5	d		00 27																						08 05				08 34
Gatwick Airport			d		00 45																						08 22				08 50
Haywards Heath			d		01 03																						08 39				09 04
Brighton	10		d	00 04		05 12	05 30	05 53	05 57	06 14	06 27	06 35	06 53	07 05	07 15		07 20	07 30	07 37	07 46	07 50	08 03	08 07	08 23	08 33	08 44g	08 53	08 59	09 04	09 13g	09 23
Hove			d	00 08	01 26s	05 16	05 34	05 57	06 01	06 18	06 31	06 39	06 57	07 10	07 19		07 24	07 34	07 41	07 50	07 54	08 07	08 11	08 27	08 37	08 54	08 57	09 03	09 08	09 21	09 27
Aldrington			d	00 10		05 18	05 36		06 03	06 20			06 59				07 26				07 56			08 29			08 59				09 29
Portslade			d	00 12	01 29s	05 20	05 38		06 05	06 22		06 42	07 01		07 22		07 28	07 37	07 44	07 53	07 58		08 14	08 31	08 40		09 02		09 11		09 31
Fishersgate			d	00 14		05 22	05 40		06 07	06 24			07 03				07 30				08 00			08 33			09 04				09 33
Southwick			d	00 16	01 32s	05 24	05 42		06 09	06 26		06 45	07 05		07 25		07 32	07 40	07 47	07 56	08 02		08 17	08 35	08 43		09 06		09 14		09 35
Shoreham-by-Sea			d	00 19	01 35s	05 28	05 45	06 03	06 12	06 29	06 37	06 48	07 09	07 16	07 28		07 35	07 43	07 50	08 00	08 06	08 13	08 20	08 39	08 46	09 00	09 09	09 13	09 17	09 28	09 39
Lancing			d	00 23	01 39s	05 32	05 49		06 16	06 33		06 52	07 13		07 32		07 39	07 47	07 54	08 04	08 10		08 24	08 43	08 50	09 05	09 13		09 21		09 43
East Worthing			d	00 26		05 35	05 52		06 19	06 36			07 16				07 42				08 13			08 46			09 16				09 46
Worthing			d	00 29	01 44a	05 38	05 55	06 09	06 22	06 39	06 43	06 56	07 19	07 23	07 36		07 45	07 52	07 59	08 08	08 16	08 20	08 28	08 49	08 55	09 09	09 18	09 22	09 26	09 34	09 49
West Worthing			d	00 32a		05 40	05 57		06 24	06 42a	06 45	06 58	07 21	07 25			07 47	07 54	08 01		08 18	08 22	08 30	08 51a	08 57	09 11	09 21a			09 36	09 51a
Durrington-on-Sea			d			05 42	06 00		06 27		06 48	07 01	07 23	07 27			07 50	07 56	08 03	08 12	08 20	08 24	08 33		08 59	09 14				09 39	
Goring-by-Sea			d			05 45	06 02		06 29		06 50	07 03	07 26	07 30			07 52	07 59	08 06		08 23	08 27	08 35		09 02	09 16				09 41	
Angmering			d			05 49	06 06		06 33		06 54	07 07	07 30	07 34			07 56	08 03	08 10	08 17	08 27	08 31	08 39		09 06	09 20			09 34	09 45	
Littlehampton			a						06 43				07 38			07 38	08 06				08 35					09 30				09 56	
Barnham			a			06 01	06 17	06 24			07 04	07 18		07 43	07 53	07 57		08 14	08 21	08 27		08 41	08 50		09 15		09 36	09 46		
Bognor Regis			a			06 21c		06 34c			07 21c	07 47c		07 58c	08 12c	08 12c				08 36		08 52c	08 58		09 27c		09 48c	10 00c		
Chichester			a			06 10	06 25	06 32			07 12	07 26		07 51	08 01	08 09		08 22	08 29			08 49	09 08c		09 23		09 45	09 54		
Havant			a			06 21	06 40	06 53			07 31	07 40		08 02	08 22			08 36	08 44			09 00	09 23c		09 38		09 57	10 09		
Fratton			a					07 05			07 46f	07 49			08 34				08 53			09 11	09 46c		09 59e			10 18		
Portsmouth & Southsea			a					07 08			07 50f	07 53			08 37				08 56			09 17	09 50c		10 03e			10 21		
Portsmouth Harbour			a					07 12				07 58			08 41				09 02			09 22			10 08e			10 25		
Southampton Central			a			07 02	07 25	08 03e			08 19			08 52				09 19					10 02c		10 19		10 40	11 01e		

Operator				SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities				1	1			1		1	1			1		1	1			1	1		1	1		1	1		1	
Notes					E			D			E			D			E			D			E			D			E	
London Victoria	10	Z1	d		08 47			09 17			09 47			10 17			10 47			11 17			11 47			12 17			12 47	
Clapham Junction	10	Z2	d		08 53			09 23			09 53			10 23			10 53			11 23			11 53			12 23			12 53	
London Bridge		Z1	d		08 32b			09 09b			09 42b			10 12b			10 42b			11 12b			11 42b			12 12b			12 42b	
East Croydon		Z5	d		09 03			09 33			10 03			10 33			11 03			11 33			12 03			12 33			13 03	
Gatwick Airport			d		09 19			09 49			10 19			10 49			11 19			11 49			12 19			12 49			13 19	
Haywards Heath			d		09 36			10 05			10 36			11 03			11 36			12 03			12 36			13 03			13 36	
Brighton	10		d	09 33	09 43g	09 53	10 03	10 13g	10 23	10 33	10 43g	10 53	11 03	11 13g	11 23	11 33	11 43g	11 53	12 03	12 13g	12 23	12 33	12 43g	12 53	13 03	13 13g	13 23	13 33	13 43g	13 53	14 03
Hove			d	09 37	09 52	09 57	10 07	10 21	10 27	10 37	10 52	10 57	11 07	11 21	11 27	11 37	11 52	11 57	12 07	12 21	12 27	12 37	12 52	12 57	13 07	13 21	13 27	13 37	13 52	13 57	14 07
Aldrington			d			09 59			10 29			10 59			11 29			11 59			12 29			12 59			13 29			13 59	
Portslade			d	09 40	09 55	10 01	10 10		10 31	10 40	10 55	11 01	11 10		11 31	11 40	11 55	12 01	12 10		12 31	12 40	12 55	13 01	13 10		13 31	13 40	13 55	14 01	14 10
Fishersgate			d			10 03			10 33			11 03			11 33			12 03			12 33			13 03			13 33			14 03	
Southwick			d	09 43		10 05	10 13		10 35	10 43		11 05	11 13		11 35	11 43		12 05	12 13		12 35	12 43		13 05	13 13		13 35	13 43		14 05	14 13
Shoreham-by-Sea			d	09 46	10 00	10 09	10 16	10 28	10 39	10 46	11 00	11 09	11 16	11 27	11 39	11 46	12 00	12 09	12 16	12 27	12 39	12 46	13 00	13 09	13 16	13 27	13 39	13 46	14 00	14 09	14 16
Lancing			d	09 50	10 04	10 13	10 20		10 43	10 50	11 04	11 13	11 20		11 43	11 50	12 04	12 13	12 20		12 43	12 50	13 04	13 13	13 20		13 43	13 50	14 04	14 13	14 20
East Worthing			d			10 16			10 46			11 16			11 46			12 16			12 46			13 16			13 46			14 16	
Worthing			d	09 55	10 09	10 19	10 25	10 34	10 49	10 55	11 08	11 19	11 25	11 34	11 49	11 55	12 08	12 19	12 25	12 34	12 49	12 55	13 08	13 19	13 25	13 34	13 49	13 55	14 08	14 19	14 25
West Worthing			d	09 57	10 11	10 21a		10 36	10 51a	10 57	11 10	11 21a		11 36	11 51a	11 57	12 10	12 21a		12 36	12 51a	12 57	13 10	13 21a		13 36	13 51a	13 57	14 10	14 21a	
Durrington-on-Sea			d	09 59	10 13			10 39		10 59	11 13			11 38		11 59	12 13			12 38		12 59	13 13			13 38		13 59	14 13		
Goring-by-Sea			d	10 02	10 16			10 41		11 02	11 15			11 41		12 02	12 15			12 41		13 02	13 15			13 41		14 02	14 15		
Angmering			d	10 06	10 20		10 32	10 45		11 06	11 19		11 32	11 45		12 06	12 19		12 32	12 45		13 06	13 19		13 32	13 45		14 06	14 19		14 32
Littlehampton			a		10 30			10 56			11 30			11 56			12 30			12 56			13 29			13 56			14 30		
Barnham			a	10 17			10 42			11 16			11 42			12 16			12 42			13 16			13 42			14 16		14 42
Bognor Regis			a	10 30c			11 00c			11 30c			12 00c			12 30c			13 00c			13 30c			14 00c			14 30c		15 01c
Chichester			a	10 25			10 50			11 24			11 50			12 24			12 50			13 24			13 50			14 24		14 50
Havant			a	10 38			11 04			11 38			12 04			12 38			13 04			13 38			14 04			14 38		15 04
Fratton			a	10 59e			11 13			11 59e			12 13			12 59e			13 13			13 59e			14 13			14 59e		15 13
Portsmouth & Southsea			a	11 02e			11 17			12 02e			12 17			13 02e			13 17			14 02e			14 17			15 02e		15 17
Portsmouth Harbour			a	11 07e			11 21			12 07e			12 21			13 07e			13 21			14 07e			14 21			15 07e		15 21
Southampton Central			a	11 19			12 02e			12 19			13 02e			13 19			14 02e			14 19			15 02e			15 19		16 02e

Operator				SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities				1		1	1			1	1	1	1		5	1	6	16	1	5	✕◇	5	5	16	5	16	5	16	5	16	16
Notes				D			E			D			E			D			E			F			D							
London Victoria	10	Z1	d	13 17			13 47			14 17			14 47			15 17			15 47					16 17				16 49b		17 16	
Clapham Junction	10	Z2	d	13 23			13 53			14 23			14 53			15 23			15 53					16 23				16 56b		17 23	
London Bridge		Z1	d	13 12b			13 42b			14 12b			14 42b			15 12b			15 42b					16 12b				16 57		17 08b	
East Croydon		Z5	d	13 33			14 03			14 33			15 03			15 33			16 03					16 33				17 11		17 33	
Gatwick Airport			d	13 49			14 19			14 49			15 19			15 49			16 19					16 49				17 19j		17 51	
Haywards Heath			d	14 03			14 36			15 03			15 36			16 03			16 36					17 03				17 41		18 03	
Brighton	10		d	14 13g	14 23	14 33	14 43g	14 53	15 03	15 13g	15 23	15 33	15 43g	15 53	16 03	16 13g	16 24	16 33	16 43g	16 51	17 02	17 05		17 14g	17 23	17 33	17 43	17 53g	18 00	18 14g	18 28
Hove			d	14 22	14 27	14 37	14 52	14 57	15 07	15 21	15 27	15 37	15 52	15 57	16 07	16 21	16 28	16 37	16 52	16 55	17 06	17 09		17 21	17 27	17 37	17 47	18 02	18 05	18 23	18 32
Aldrington			d	|	14 29	|	|	14 59	|	|	15 29	|	|	15 59	|	|	16 30	|	|	16 57	|	|	|	17 29	|	17 49	|	18 07	|	18 34
Portslade			d	|	14 31	14 40	14 55	15 01	15 10	15 24	15 31	15 40	15 55	16 01	16 10	|	16 32	16 40	16 55	17 00	|	17 12	17 24	17 31	17 40	17 52	18 05	18 09	18 26	18 36
Fishersgate			d	|	14 33	|	|	15 03	|	|	15 33	|	|	16 03	|	|	16 34	|	|	17 02	|	|	|	17 33	|	17 54	|	18 11	|	18 38
Southwick			d	|	14 35	14 43	|	15 05	15 13	|	15 35	15 43	|	16 05	16 13	|	16 36	16 43	|	17 05	|	17 15	|	17 35	17 43	17 56	|	18 13	|	18 40
Shoreham-by-Sea			d	14 28	14 39	14 46	15 00	15 09	15 16	15 29	15 39	15 46	16 00	16 09	16 16	16 27	16 40	16 46	17 00	17 08	17 12	17 18		17 29	17 39	17 46	18 00	18 10	18 17	18 31	18 44
Lancing			d	|	14 43	14 50	15 04	15 13	15 20	15 33	15 43	15 50	16 04	16 13	16 20	|	16 44	16 50	17 04	17 13	|	17 22	|	17 43	17 50	18 04	18 15	18 21	18 36	18 48
East Worthing			d	|	14 46	|	|	15 16	|	15 36	15 46	|	16 16	|	|	16 47	|	|	17 16	|	|	|	17 46	|	18 07	|	18 24	|	18 51
Worthing			d	14 35	14 49	14 55	15 08	15 19	15 25	15 39	15 49	15 55	16 08	16 19	16 25	16 34	16 50	16 55	17 08	17 19	17 22	17 27		17 37	17 49	17 55	18 11	18 19	18 27	18 40	18 54
West Worthing			d	14 37	14 51a	14 57	15 10	15 21a	15 27	15 41	15 51	15 57	16 10	16 21a	16 27	16 36	16 52a	16 57	17 10	17 21	|	17 29		17 39	17 51	17 57	18 13	18 21	18 29	18 42	|
Durrington-on-Sea			d	14 39	|	14 59	15 13	|	15 29	15 43	15 53	15 59	16 13	|	16 29	16 38	|	16 59	17 13	|	17 31		17 42	17 53	17 59	18 15	18 24	18 31	18 45	|
Goring-by-Sea			d	14 42	|	15 02	15 15	|	15 32	15 46	15 56	16 02	16 15	|	16 32	16 41	|	17 02	17 15	|	17 34		17 44	17 56	18 02	18 18	18 26	18 34	18 47	|
Angmering			d	14 46	|	15 06	15 19	|	15 36	15 50	16 00	16 06	16 19	|	16 36	16 45	|	17 06	17 19	|	17 38	⟝	17 48	18 00	18 07	18 22	18 30	18 38	18 51	19 00
Littlehampton			a	14 56	|	15 30	|	|	|	15 59	16 11	|	16 30	|	16 56	|	|	17 30	17 33	|	|	17 33	18 00	18 08	|	18 30	18 40	|	19 02	|
Barnham			a	|	|	15 16	|	|	15 46	|	|	16 17	|	|	16 46	|	|	17 16	|	⟙	17 38	17 48	17 53	|	|	18 19	|	18 48	|	19 11
Bognor Regis			a	|	|	15 30c	|	|	15 59c	|	|	16 31c	|	|	16 59c	|	|	17 29c	|	|	17 52c	|	18 02	|	|	18 36c	|	19 06c	|	19 26c
Chichester			a	|	|	15 24	|	|	15 54	|	|	16 25	|	|	16 54	|	|	17 24	|	|	17 46	17 57	|	|	|	18 27	|	18 56	|	19 19
Havant			a	|	|	15 38	|	|	16 09	|	|	16 38	|	|	17 09	|	|	17 38	|	|	17 57	18 14	|	|	|	18 39	|	19 07	|	19 36
Fratton			a	|	|	15 59e	|	|	16 18	|	|	16 59e	|	|	17 18	|	|	17 59e	|	|	18 16e	18 23	|	|	|	18 59e	|	19 17	|	19 53e
Portsmouth & Southsea			a	|	|	16 02e	|	|	16 21	|	|	17 02e	|	|	17 22	|	|	18 02e	|	|	18 20e	18 27	|	|	|	19 03e	|	19 21	|	19 59e
Portsmouth Harbour			a	|	|	16 07e	|	|	16 26	|	|	17 07e	|	|	17 38h	|	|	18 09e	|	|	18 28e	18 31	|	|	|	19 10e	|	19 26	|	20 07e
Southampton Central			a	|	|	16 19	|	|	17 02e	|	|	17 28	|	|	18 05e	|	|	18 19	|	|	18 40	19 04e	|	|	|	19 20	|	20 03e	|	20 18

Operator				SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities				16	16	5	16	16	1	16	1	1	1	1	1		1		1		1		1		1	1		1	1
Notes							E			E			D		E		D		B		G		B			H	TS		TS	A
London Victoria	10	Z1	d		17 46		18 02j	18 17		18 46			19 17		19 47		20 17		20 47		21 17		21 47		22 17	22 47		23 17	00 05
Clapham Junction	10	Z2	d		17 52		18 04j	18 23		18 53			19 23		19 53		20 23		20 53		21 23		21 53		22 23	22 53		23 23	00 12
London Bridge		Z1	d	17 40	|		18 10	|		18 42b			19 12b		19 42b		20 12b		20 42b		21 08b		21 38b		22 08b	22 38b		23 08b	23 42b
East Croydon		Z5	d	17 55	18 02		18 26	18 34		19 04			19 33		20 04		20 33		21 03		21 33		22 03		22 33	23 03		23 33	00 27
Gatwick Airport			d	18 04j	18 20		18 35j	18 47j		19 22			19 49		20 20		20 49		21 19		21 49		22 19		22 49	23 19		23 50	00 45
Haywards Heath			d	18 22	18 36		18 54	19 03		19 39			20 03		20 36		21 03		21 36		22 03		22 36		23 06	23 37		00 05	01 03
Brighton	10		d	|	18 48g	19 00	|	19 15g	19 30	19 43g	20 03	20 13g	20 30	20 45g	21 03	21 13g	21 33	21 43g	22 03	22 13g	22 33	22 43g	23 04	23 13g	23 43g	00 04	00 10g	|
Hove			d	18 44	18 57	19 04	19 16	19 24	19 34	19 58	20 07	20 23	20 34	20 54	21 07	21 22	21 37	21 52	22 07	22 22	22 37	22 52	23 08	23 23	23 52	00 08	00 24	01 26s
Aldrington			d	|	|	19 06	|	|	19 36	|	20 09	|	20 36	|	21 09	|	21 39	|	22 09	|	22 39	|	23 10	|	|	00 10	|	|
Portslade			d	18 47	19 01	19 08	19 19	19 28	19 38	20 02	20 11	20 26	20 38	20 57	21 11	21 25	21 41	21 55	22 11	22 25	22 41	22 55	23 12	23 26	23 55	00 12	00 27s	01 29s
Fishersgate			d	|	|	19 10	|	|	19 40	|	20 13	|	20 40	|	21 13	|	21 43	|	22 13	|	22 43	|	23 14	|	|	00 14	|	|
Southwick			d	|	|	19 12	|	|	19 42	|	20 15	|	20 42	|	21 15	|	21 45	|	22 15	|	22 45	|	23 16	23 29	23 58	00 16	00 30s	01 32s
Shoreham-by-Sea			d	18 52	19 06	19 16	19 24	19 33	19 46	20 07	20 19	20 31	20 46	21 02	21 19	21 30	21 49	22 00	22 19	22 29	22 49	23 00	23 19	23 32	00 01	00 19	00 33s	01 35s
Lancing			d	18 57	19 10	19 20	19 29	19 37	19 50	20 11	20 23	20 35	20 50	21 06	21 23	21 34	21 53	22 04	22 23	22 33	22 53	23 04	23 23	23 36	00 05	00 23	00 37s	01 39s
East Worthing			d	|	|	19 23	|	|	19 53	|	20 26	|	20 53	|	21 26	|	21 56	|	22 26	|	22 56	|	23 26	|	|	00 26	|	|
Worthing			d	19 01	19 15	19 26	19 33	19 42	19 56	20 16	20 29	20 39	20 56	21 10	21 29	21 38	21 59	22 08	22 29	22 38	22 59	23 08	23 29	23 41	00 11a	00 29	00 43a	01 44a
West Worthing			d	19 03	19 17	19 28	19 35	19 44	19 58	20 18	20 31	20 42	20 58	21 12	21 31	21 40	22 01	22 10	22 31	22 40	23 01	23 10	23 32a	23 43		00 32a		
Durrington-on-Sea			d	19 06	19 19	19 30	19 38	19 46	20 00	20 20	20 33	20 44	21 00	21 15	21 33	21 43	22 03	22 13	22 33	22 42	23 03	23 13		23 45				
Goring-by-Sea			d	19 08	19 22	19 33	19 40	19 49	20 03	20 23	20 36	20 47	21 03	21 17	21 36	21 45	22 06	22 15	22 36	22 45	23 06	23 15		23 48				
Angmering			d	19 12	19 26	19 37	19 44	19 53	20 07	20 27	20 40	20 51	21 07	21 21	21 40	21 49	22 10	22 19	22 40	22 49	23 10	23 19		23 52				
Littlehampton			a	19 23	19 35	|	19 55	20 03	|	20 36	|	21 02	|	21 30	|	21 59	|	22 29	|	|	23 18	23 29		|				
Barnham			a	|	|	19 47	|	|	20 20	|	20 50	|	21 18	|	21 50	|	22 20	|	22 50	22 59	23 31		00 02				
Bognor Regis			a	|	|	20 05c	|	|	20 30c	|	20 59c	|	21 29c	|	22 00c	|	22 30c	|	23 00c	23 14	23 44c		00 17				
Chichester			a	|	|	19 55	|	|	20 28	|	20 58	|	21 26	|	21 58	|	22 28	|	22 59	23 12c	23 40		00 14c				
Havant			a	|	|	20 06	|	|	20 39	|	21 09	|	21 37	|	22 09	|	22 43	|	23 11	23 34c							
Fratton			a	|	|	20 15	|	|	20 57e	|	21 18	|	21 54e	|	22 18	|	22 52	|	23 20	23 47c							
Portsmouth & Southsea			a	|	|	20 19	|	|	21 01e	|	21 23	|	21 58e	|	22 22	|	22 55	|	23 23	23 54c							
Portsmouth Harbour			a	|	|	20 34h	|	|	21 06e	|	21 27	|	22 02e	|	22 26	|	22 59	|	23 27	00 07k							
Southampton Central			a	|	|	21 05e	|	|	21 19	|	22 07e	|	22 16	|	23 07e	|	|	|	|	|							

Saturdays

London and Brighton to Shoreham-by-Sea, Worthing and Littlehampton

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities				1	1	1		1		1					1	1				1	1		GW ◇		1		1	1	1	
Notes				A																	E		C		D			E		
London Victoria	10	Z1 ⊖ d		00 05												06 02n					07 47				08 17			08 47		
Clapham Junction	10	Z2 d		00 12												06 08n					07 53				08 23			08 53		
London Bridge		Z1 ⊖ d		23 42b												06 08n					07 27b				08 12b			08 42b		
East Croydon		Z5 d		00 27												06 34j					08 03				08 33			09 03		
Gatwick Airport		d		00 45												06 50j					08 19				08 49			09 19		
Haywards Heath		d		01 03												07 30					08 36				09 03			09 36		
Brighton	10	d	00 04		05 15	05 27	05 53	06 01	06 23	06 34	06 48	06 53	07 03	07 23	07 33	07 43g	07 53	08 03	08 23	08 33	08 43g	08 53	09 00	09 04	09 13g	09 23	09 33	09 43g	09 53	10 03
Hove		d	00 08	01 26s	05 20	05 31	05 57	06 05	06 27	06 38	06 52	06 57	07 07	07 27	07 37	07 50	07 57	08 07	08 27	08 37	08 52	08 57	09 04	09 08	09 21	09 27	09 37	09 52	09 57	10 07
Aldrington		d	00 10			05 33	05 59		06 29			06 59		07 29			07 59		08 29				08 59						09 29			09 59	
Portslade		d	00 12	01 29s	05 23	05 35	06 01	06 08	06 31	06 41	06 55	07 01	07 10	07 31	07 40	07 53	08 01	08 10	08 31	08 40	08 55	09 01		09 11		09 31	09 40	09 55	10 01	10 10
Fishersgate		d	00 14			05 37	06 03		06 33			07 03		07 33			08 03		08 33			09 03				09 33			10 03		
Southwick		d	00 16	01 32s		05 39	06 05	06 11	06 35	06 44		07 05	07 13	07 35	07 43		08 05	08 13	08 35	08 43		09 05		09 14		09 35	09 43		10 05	10 13
Shoreham-by-Sea		d	00 19	01 35s	05 27	05 43	06 09	06 14	06 39	06 47	06 59	07 09	07 16	07 39	07 46	07 58	08 09	08 16	08 39	08 46	09 00	09 09	09 13	09 17	09 27	09 39	09 46	10 00	10 09	10 16
Lancing		d	00 23	01 39s	05 31	05 47	06 13	06 18	06 43	06 51	07 03	07 13	07 20	07 43	07 50	08 02	08 13	08 20	08 43	08 50	09 04	09 13		09 21		09 43	09 50	10 04	10 13	10 20
East Worthing		d	00 26			05 50	06 16		06 46			07 16		07 46			08 16		08 46			09 16				09 46			10 16		
Worthing		d	00 29	01 43a	05 36	05 53	06 19	06 23	06 49	06 56	07 08	07 19	07 25	07 49	07 55	08 06	08 19	08 25	08 49	08 55	09 08	09 18	09 22	09 26	09 34	09 49	09 55	10 08	10 19	10 25
West Worthing		d	00 31a		05 38	05 55	06 21a	06 25	06 51a	06 58	07 10	07 21a		07 51a	07 57	08 08	08 21a		08 51a	08 57	09 10	09 20a			09 36	09 51a	09 57	10 10	10 21a	
Durrington-on-Sea		d			05 40	05 57		06 28		07 00	07 12				07 59	08 11				08 59	09 13				09 38		09 59	10 13		
Goring-by-Sea		d			05 43	06 00		06 30		07 03	07 15				08 02	08 13				09 02	09 15				09 41		10 02	10 15		
Angmering		d			05 47	06 04		06 34		07 07	07 19		07 32		08 06	08 17		08 32		09 06	09 19			09 34	09 45		10 06	10 19		10 32
Littlehampton		a									07 28					08 28					09 29				09 56					
Barnham		a			05 57	06 14		06 45		07 17			07 42		08 16			08 42		09 16		09 40	09 44			10 16			10 42	
Bognor Regis		a				06 29c		06 59c		07 29c			07 59c		08 29c			08 59c		09 29c			09 59c			10 29c			10 59c	
Chichester		a			06 05	06 22		06 53		07 25			07 50		08 24			08 50		09 24		09 48	09 52			10 24			10 50	
Havant		a			06 23	06 38		07 04		07 38			08 04		08 38			09 04		09 38		09 59	10 07			10 38			11 04	
Fratton		a			06 46e	06 54e		07 13		07 55e			08 13		08 55e			09 13		09 55e			10 16			10 55e			11 13	
Portsmouth & Southsea		a			06 50e	06 58e		07 16		07 58e			08 17		08 58e			09 17		09 58e			10 19			10 58e			11 17	
Portsmouth Harbour		a				07 02e		07 20		08 02e			08 21		09 02e			09 21		10 03e			10 23			11 03e			11 21	
Southampton Central		a			07 05	07 27		08 03e		08 26			09 01e		09 19			10 01e		10 27		10 40	11 01e			11 19			12 01e	

Operator			SN	SN	SN	SN	SN	SN	SN
Facilities			1		1	1			
Notes			D		J	E			
London Victoria	10	Z1 ⊖ d	09 17			09 47			
Clapham Junction	10	Z2 d	09 23			09 53			
London Bridge		Z1 ⊖ d	09 12b			09 42b			
East Croydon		Z5 d	09 33			10 03			
Gatwick Airport		d	09 49			10 19			
Haywards Heath		d	10 03			10 36			
Brighton	10	d	10 13g	10 23	10 33	10 43g	10 53	11 03	
Hove		d	10 21	10 27	10 37	10 52	10 57	11 07	
Aldrington		d		10 29			10 59		
Portslade		d		10 31	10 40	10 55	11 01	11 10	
Fishersgate		d		10 33			11 03		
Southwick		d		10 35	10 43		11 05	11 13	
Shoreham-by-Sea		d	10 27	10 39	10 46	11 00	11 09	11 16	
Lancing		d		10 43	10 50	11 04	11 13	11 20	
East Worthing		d		10 46			11 16		
Worthing		d	10 34	10 49	10 55	11 08	11 19	11 25	
West Worthing		d	10 36	10 51a	10 57	11 10	11 21a		
Durrington-on-Sea		d	10 38		10 59	11 13			
Goring-by-Sea		d	10 41		11 02	11 15			
Angmering		d	10 45		11 06	11 19		11 32	
Littlehampton		a	10 56			11 29			
Barnham		a			11 16			11 42	
Bognor Regis		a			11 29c			11 59c	
Chichester		a			11 24			11 50	
Havant		a			11 38			12 04	
Fratton		a			11 55e			12 13	
Portsmouth & Southsea		a			11 58e			12 17	
Portsmouth Harbour		a			12 03e			12 21	
Southampton Central		a			12 27			13 01e	

Start of standard hourly service

Service repeats each hour until

Operator			SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities			1			1	1	◇			1	1		1			1	1			1			1	1	1	1	1	
Notes			D			E		F			D			E				E			D				E		D	
London Victoria	10	Z1 ⊖ d				15 47					16 17			16 47				17 17			17 47			18 17				
Clapham Junction	10	Z2 d				15 53					16 23			16 53				17 23			17 53			18 23				
London Bridge		Z1 ⊖ d				15 42b					16 12b			16 42b				17 12b			17 42b			18 12b				
East Croydon		Z5 d				16 03					16 33			17 03				17 33			18 03			18 33				
Gatwick Airport		d				16 19					16 49			17 19				17 49			18 19			18 49				
Haywards Heath		d				16 36					17 03			17 36				18 03			18 36			19 03				
Brighton	10	d	16 11g	16 23	16 33	16 43g	16 53	17 00	17 04	17 13g	17 23	17 33	17 43g	17 53	18 03	18 13g	18 23	18 33	18 43g	19 03	19 13g	19 29						
Hove		d	16 21	16 27	16 37	16 52	16 57	17 04	17 08	17 21	17 27	17 37	17 52	17 57	18 07	18 21	18 27	18 37	18 52	19 07	19 21	19 33						
Aldrington		d		16 29			16 59				17 29			17 59			18 29			19 09		19 35						
Portslade		d		16 31	16 40	16 55	17 01		17 11		17 31	17 40	17 55	18 01	18 10		18 31	18 40	18 55	19 11	19 24	19 37						
Fishersgate		d		16 33			17 03				17 33			18 03			18 33			19 13		19 39						
Southwick		d		16 35	16 43		17 05		17 14		17 35	17 43		18 05	18 13		18 35	18 43		19 15		19 41						
Shoreham-by-Sea		d	16 27	16 39	16 46	17 00	17 09	17 13	17 18	17 27	17 39	17 46	18 00	18 09	18 16	18 27	18 39	18 46	19 00	19 19	19 29	19 45						
Lancing		d		16 43	16 50	17 04	17 13		17 22		17 43	17 50	18 04	18 13	18 20		18 43	18 50	19 04	19 23	19 33	19 49						
East Worthing		d		16 46			17 16				17 46			18 16			18 46			19 26		19 52						
Worthing		d	16 34	16 49	16 55	17 08	17 18	17 22	17 26	17 34	17 49	17 55	18 08	18 19	18 25	18 34	18 49	18 55	19 08	19 29	19 37	19 55						
West Worthing		d	16 36	16 51a	16 57	17 10	17 20a			17 36	17 51a	17 57	18 10	18 21a		18 36	18 51	18 57	19 10	19 31	19 39	19 57						
Durrington-on-Sea		d	16 38		16 59	17 13				17 38		17 59	18 13			18 38	18 53	18 59	19 13	19 33	19 42	19 59						
Goring-by-Sea		d	16 41		17 02	17 15				17 41		18 02	18 15			18 41	18 56	19 02	19 15	19 36	19 44	20 02						
Angmering		d	16 45		17 06	17 19			17 34	17 45		18 06	18 19		18 32	18 45	19 00	19 06	19 19	19 40	19 48	20 06						
Littlehampton		a	16 56			17 29				17 56			18 29			18 55	19 09		19 29		19 57							
Barnham		a			17 16			17 37	17 43			18 16			18 42			19 16		19 50		20 16						
Bognor Regis		a			17 29c				17 59c			18 29c			18 59c			19 29c		19 59c		20 29c						
Chichester		a			17 24			17 45	17 51			18 24			18 50			19 24		19 58		20 24						
Havant		a			17 38			17 59	18 06			18 38			19 04			19 38		20 09		20 37						
Fratton		a			17 55e				18 15			18 55e			19 13			19 55e		20 18		20 55e						
Portsmouth & Southsea		a			17 58e				18 18			18 58e			19 17			19 58e		20 22		20 58e						
Portsmouth Harbour		a			18 03e				18 22			19 03e			19 21			20 03e		20 26		21 03e						
Southampton Central		a			18 27			18 43	19 01e			19 19			20 01e			20 27		21 05e		21 19						

Operator			SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
Facilities			1	1	1	1	1		1		1		1	1		1		1		1	1
Notes			E		B		E		D		B		G		B			H			A
London Victoria	10	Z1 ⊖ d	18 47		19 17		19 47		20 17		20 47		21 17		21 47		22 17	22 47		23 17	00 05
Clapham Junction	10	Z2 d	18 53		19 23		19 53		20 23		20 53		21 23		21 53		22 23	22 53		23 23	00 12
London Bridge		Z1 ⊖ d	18 42b		19 12b		19 42b		20 12b		20 27b		21 08b		21 27b		22 08b	22 27b		23 04b	23 42b
East Croydon		Z5 d	19 03		19 33		20 03		20 33		21 03		21 33		22 03		22 33	23 03		23 33	00 27
Gatwick Airport		d	19 19		19 49		20 19		20 49		21 19		21 49		22 19		22 49	23 19		23 50	00 46
Haywards Heath		d	19 36		20 03		20 36		21 03		21 36		22 06		22 36		23 06	23 37		00 08	01 03
Brighton	10	d	19 43g	19 56	20 13g	20 30	20 43g	21 03	21 13g	21 33	21 43g	22 03	22 13g	22 33	22 43g	23 04	23 13g	23 43g	00 04	00 10g	
Hove		d	19 52	20 00	20 21	20 34	20 52	21 07	21 21	21 37	21 52	22 07	22 23	22 37	22 52	23 08	23 23	23 52	00 08	00 27	01 25s
Aldrington		d		20 02		20 36		21 09		21 39		22 09		22 39		23 10			00 10		
Portslade		d	19 55	20 04	20 24	20 38	20 55	21 11	21 24	21 41	21 55	22 11	22 26	22 41	22 55	23 12	23 26	23 55	00 12	00 30s	01 28s
Fishersgate		d		20 06		20 40		21 13		21 43		22 13		22 43		23 14			00 14		
Southwick		d		20 08		20 42		21 15		21 45		22 15		22 45		23 16	23 29	23 58	00 16	00 33s	01 31s
Shoreham-by-Sea		d	20 00	20 12	20 29	20 46	21 00	21 19	21 29	21 49	22 00	22 19	22 31	22 49	23 00	23 19	23 32	00 01	00 19	00 36s	01 34s
Lancing		d	20 04	20 16	20 33	20 50	21 04	21 23	21 33	21 53	22 04	22 23	22 35	22 53	23 04	23 23	23 36	00 05	00 23	00 40s	01 38s
East Worthing		d		20 19		20 53		21 26		21 56		22 26		22 56		23 26			00 26		
Worthing		d	20 08	20 22	20 37	20 56	21 08	21 29	21 37	21 59	22 08	22 29	22 39	22 59	23 08	23 29	23 41	00 09a	00 29	00 44s	01 42a
West Worthing		d	20 10	20 24	20 39	20 58	21 10	21 31	21 39	22 01	22 10	22 31	22 41	23 01	23 10	23 31a	23 43		00 31a	00 47s	
Durrington-on-Sea		d	20 13	20 26	20 42	21 00	21 13	21 33	21 42	22 03	22 13	22 33	22 44	23 03	23 13		23 45			00 49s	
Goring-by-Sea		d	20 15	20 29	20 44	21 03	21 15	21 36	21 44	22 06	22 15	22 36	22 46	23 06	23 15		23 48			00 52s	
Angmering		d	20 19	20 33	20 48	21 07	21 19	21 40	21 48	22 10	22 19	22 40	22 50	23 10	23 19		23 52			00 56s	
Littlehampton		a	20 29		20 57		21 29		21 57		22 29			23 18	23 30						
Barnham		a		20 43		21 19		21 50		22 20		22 50	23 03	23 31			00 02			01 06s	
Bognor Regis		a		20 59c		21 29c		21 59c		22 29c		22 59c	23 15	23 43c			00 15				
Chichester		a		20 51		21 27		21 58		22 28		22 58	23 15c	23 39			00 15c			01 14	
Havant		a		21 09		21 40		22 09		22 43		23 09	23 36c								
Fratton		a		21 18		21 58e		22 18		22 52		23 18	23 48c								
Portsmouth & Southsea		a		21 22		22 02e		22 22		22 55		23 22	23 51c								
Portsmouth Harbour		a		21 26		22 06e		22 26		22 59		23 26	00 07k								
Southampton Central		a		22 02e		22 20		23 01e													

Sundays

London and Brighton to Shoreham-by-Sea, Worthing and Littlehampton

Operator				SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN	GW	SN
Facilities					1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1		1
Notes					A													K						L	
London Victoria	10	Z1	d		00 05							08 17			09 17				10 17			11 17				
Clapham Junction	10	Z2	d		00 12							08 24			09 23				10 23			11 23				
London Bridge		Z1	d		23 42b							07 54b			09 04b				10 04b			11 04b				
East Croydon		Z5	d		00 27							08 38			09 33				10 33			11 33				
Gatwick Airport			d		00 46							08 57			09 49				10 49			11 49				
Haywards Heath			d		01 03							09 09			10 00				11 00			12 00				
Brighton	10		d	00 04		07 15	07 19	08 00	08 20	08 31	09 00			09 30	10 00			10 30	11 00	11 10		11 30	12 00		12 30	15 46	17 00
Hove			d	00 08	01 25s	07 19	07 23	08 04	08 24	08 35	09 04	09 28		09 34	10 04	10 19		10 34	11 04	11 14	11 18	11 34	12 04	12 19	12 34	15 50	17 04
Aldrington			d	00 10			07 25	08 06		08 37	09 06			09 36	10 06			10 36	11 06			11 36	12 06		12 36		17 06
Portslade			d	00 12	01 28s		07 27	08 08		08 39	09 08			09 38	10 08			10 38	11 08			11 38	12 08		12 38		17 08
Fishersgate			d	00 14			07 29	08 10		08 41	09 10			09 40	10 10			10 40	11 10			11 40	12 10		12 40		17 10
Southwick			d	00 16	01 31s		07 31	08 12		08 43	09 12			09 42	10 12			10 42	11 12			11 42	12 12		12 42		17 12
Shoreham-by-Sea			d	00 19	01 34s	07 25	07 34	08 15	08 30	08 46	09 15	09 34		09 45	10 15	10 25		10 45	11 15	11 20	11 25	11 45	12 15	12 25	12 45	15 56	17 15
Lancing			d	00 23	01 38s		07 38	08 19		08 50	09 19			09 49	10 19			10 49	11 19			11 49	12 19		12 49		17 19
East Worthing			d	00 26			07 41	08 22		08 53	09 22			09 52	10 22			10 52	11 22			11 52	12 22		12 52		17 22
Worthing			a	00 29	01 42	07 31	07 44	08 25	08 36	08 56	09 25	09 40		09 55	10 25	10 31		10 55	11 25	11 29	11 33	11 55	12 25	12 31	12 55	16 03	17 25
												DIVIDE				DIVIDE					DIVIDE			DIVIDE			
Worthing			d	00 29		07 31	07 44	08 25	08 36	08 56	09 25	09 44	09 47	09 55	10 25	10 35	10 37	10 55	11 25	11 29	11 36	11 39	11 55	12 25	12 35 12 37	12 55	16 08	17 25
West Worthing			d	00 31a			07 46	08 27		08 58	09 27		09 49	09 57	10 27		10 39	10 57	11 27		11 41	11 57	12 27	12 39	12 57		17 27
Durrington-on-Sea			d				07 48	08 30		09 01	09 30		09 51	10 00	10 30		10 42	11 00	11 30		11 43	12 00	12 30	12 42	13 00		17 30
Goring-by-Sea			d				07 51	08 32		09 03	09 32		09 54	10 02	10 32		10 44	11 02	11 32		11 46	12 02	12 32	12 44	13 02		17 32
Angmering			d			07 38	07 55	08 36	08 43	09 07	09 36		09 58	10 06	10 36		10 48	11 06	11 36		11 50	12 06	12 36	12 48	13 06		17 36
Littlehampton			a									10 06					10 57				11 58			12 57			
Barnham			a			07 49	08 06	08 48	08 54	09 18	09 47	09 58		10 17	10 47	10 51		11 17	11 47	11 52	11 56	12 17	12 47	12 51	13 17	16 22	17 47
Bognor Regis			a				08 15c		09 10c	09 49c		10 10c		10 48c		11 10c		11 48c			12 10c	12 48c		13 10c	13 48c	16 48c	
Chichester			a			07 57	08 14	08 56	09 02	09 26	09 55	10 06		10 25	10 55	10 59		11 25	11 55	12 00	12 04	12 25	12 55	13 25	13 25	16 36	17 55
Havant			a			08 11	08 35	09 08	09 17	09 47	10 08	10 21		10 47	11 08	11 14		11 46	12 08	12 12	12 19	12 46	13 08	13 14	13 46	16 48	18 08
Fratton			a			08 20	08 46		09 26	09 59		10 32		10 58		11 23		11 57			12 28	12 57		13 23	13 57	17 02e	
Portsmouth & Southsea			a			08 24	08 49		09 29	10 03		10 35		11 03		11 26		12 00			12 31	13 00		13 26	14 00	17 06e	
Portsmouth Harbour			a			08 28	08 53		09 35	10 07		10 39		11 07		11 30		12 05			12 35	13 05		13 30	14 05	17 11e	
Southampton Central			a					09 48			10 46				11 46				12 46	12 53			13 46			17 24	18 46

Start of standard hourly service

Service repeats each hour until

Operator				SN	SN	GW	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN	GW	SN	SN	SN	SN	SN
Facilities				1	1	◇	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1
Notes						F																		
London Victoria	10	Z1	d	16 17				17 17				18 17			19 17			20 17				21 17		22 17	23 17
Clapham Junction	10	Z2	d	16 23				17 23				18 23			19 23			20 23				21 23		22 23	23 23
London Bridge		Z1	d	16 04b				17 04b				18 04b			19 04b			20 04b				21 04b		22 04b	22 54b
East Croydon		Z5	d	16 33				17 33				18 33			19 33			20 33				21 33		22 33	23 37
Gatwick Airport			d	16 49				17 49				18 49			19 49			20 49				21 49		22 49	23 59
Haywards Heath			d	17 00				18 00				19 00			20 00			21 00				22 00		23 01	00 15
Brighton	10		d			17 30	17 46	18 00			18 30	19 00			19 30	20 00			20 30	21 00			21 25	21 46	21 55	22 12g	22 45	23 15g	00 10g
Hove			d	17 19		17 34	17 50	18 04		18 19	18 34	19 04		19 19	19 34	20 04		20 19	20 34	21 04		21 19	21 29	21 50	21 59	22 19	22 49	23 25	00 32
Aldrington			d			17 36		18 06			18 36	19 06			19 36	20 06			20 36	21 06			21 31		22 01		22 51		
Portslade			d			17 38		18 08			18 38	19 08			19 38	20 08			20 38	21 08			21 33		22 03	22 22	22 53	23 28	00 35s
Fishersgate			d			17 40		18 10			18 40	19 10			19 40	20 10			20 40	21 10			21 35		22 05		22 55		
Southwick			d			17 42		18 12			18 42	19 12			19 42	20 12			20 42	21 12			21 37		22 07		22 57	23 31	00 38s
Shoreham-by-Sea			d	17 25		17 45	17 56	18 15		18 25	18 45	19 15		19 25	19 45	20 15		20 25	20 45	21 15		21 25	21 40	21 56	22 10	22 27	23 00	23 34	00 41s
Lancing			d			17 49		18 19			18 49	19 19			19 49	20 19			20 49	21 19			21 44		22 14		23 04	23 38	00 45s
East Worthing			d			17 52		18 22			18 52	19 22			19 52	20 22			20 52	21 22			21 47		22 17		23 07		
Worthing			a	17 31		17 55	18 03	18 25		18 31	18 55	19 25		19 31	19 55	20 25		20 31	20 55	21 25		21 31	21 50	22 02	22 20	22 33	23 10	23 42	00 49
				DIVIDE						DIVIDE				DIVIDE				DIVIDE				DIVIDE				DIVIDE			
Worthing			d	17 35	17 37	17 55	18 08	18 25		18 35	18 37	18 55	19 25	19 35	19 37	19 55	20 25	20 35	20 37	20 55	21 25	21 35	21 37	21 50	22 03	22 20	22 37	22 39	23 10		
West Worthing			d		17 39	17 57		18 27			18 39	18 57	19 27		19 39	19 57	20 27		20 39	20 57	21 27		21 39	21 52		22 22		22 41	23 12		
Durrington-on-Sea			d		17 42	18 00		18 30			18 42	19 00	19 30		19 42	20 00	20 30		20 42	21 00	21 30		21 42	21 55		22 25		22 44	23 14		
Goring-by-Sea			d		17 44	18 02		18 32			18 44	19 02	19 32		19 44	20 02	20 32		20 44	21 02	21 32		21 44	21 57		22 27		22 46	23 17		
Angmering			d		17 48	18 06		18 36			18 48	19 06	19 36		19 48	20 06	20 36		20 48	21 06	21 36		21 48	22 01		22 31		22 50	23 21		
Littlehampton			a		17 57						18 57				19 57				20 57				21 57			22 41		22 59	23 30		
Barnham			a	17 51		18 17	18 22	18 47		18 51		19 17	19 47	19 51		20 17	20 47	20 51		21 17	21 47	21 51		22 12	22 17		22 51	23 14q	23 44		
Bognor Regis			a	18 10c			18 48c			19 10c		19 48c		20 10c		20 47c		21 10c		21 48c		22 10c			22 48c		23 01c	23 21q	23 53c		
Chichester			a	17 59		18 25	18 31	18 55		18 59		19 25	19 55	19 59		20 25	20 55	20 59		21 25	21 55	21 59		22 20	22 25		23 03		23 53		
Havant			a	18 14		18 46	18 49	19 08		19 14		19 46	20 08	20 14		20 46	21 08	21 14		21 46	22 08	22 14		22 43	22 46		23 21				
Fratton			a	18 23		18 57	19 02e			19 23		19 57		20 23		20 57		21 23		21 57		22 23		22 54	22 57		23 31				
Portsmouth & Southsea			a	18 26		19 01	19 06e			19 26		20 00		20 26		21 00		21 26		22 00		22 26		22 57	23 00		23 34				
Portsmouth Harbour			a	18 30		19 05	19 11e			19 30		20 04		20 30		21 05		21 30		22 04		22 30		23 02	23 05		23 38				
Southampton Central			a				19 26	19 47			20 46						21 46				22 46									

APPENDIX 4:

EXISTING USE TRAFFIC GENERATION INFORMATION AND TRICS DATA

Steve Reeves BEng MBA MCIHT
Reeves Transport Planning
6 Beaufort Terrace
Brighton
BN2 9SU

February 23rd 2016

Dear Steve

Thank you for your recent enquiry.

Further to our conversation here is the information on the number of car parking spaces and a breakdown of the number of cars and lorries that would normally use our site at 50 Dolphin Road, Shoreham by Sea on a typical working day.

All staff movements including recovery drivers, office and workshop staff - up to 30

Deliveries and sales representatives - 15 to 25

Insurance Assessors and Police Scene of Crime Officers - 25 to 30

Third party salvage collections – 10 to 15

Vehicle Recovery arrivals and transfers (with own fleet) - 30 to 40

As per our discussions each of these visits is by car, van, or lorry making two trips, one in and one out.

We have 40 car parking spaces for staff and visitors and room to store up to 90 cars, vans and heavy goods vehicles.

If you need anything else let me know.

Yours sincerely

Richard Colburn
Managing Director

(T) 01444 480170
(M) 07977 470546
(E) Richard@westbournemotors.co.uk

Calculation Reference: AUDIT-753101-160221-0227

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 15 - VEHICLE SERVICES
Category : A - VEHICLE REPAIR GARAGE (SLOW FIT)
VEHICLES

Selected regions and areas:

02	SOUTH EAST		
	WN	WINDSOR & MAIDENHEAD	1 days
	WS	WEST SUSSEX	1 days
04	EAST ANGLIA		
	CA	CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS		
	LE	LEICESTERSHIRE	1 days
12	CONNAUGHT		
	CS	SLIGO	1 days
16	ULSTER (REPUBLIC OF IRELAND)		
	CV	CAVAN	1 days
17	ULSTER (NORTHERN IRELAND)		
	DE	DERRY	1 days
	DO	DOWN	1 days

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

Filtering Stage 2 selection:

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

Parameter: Parking spaces
Actual Range: 2 to 52 (units:)
Range Selected by User: 0 to 78 (units:)

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/07 to 24/10/13

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

Selected survey days:

Tuesday	1 days
Wednesday	1 days
Thursday	3 days
Friday	3 days

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

Selected survey types:

Manual count	8 days
Directional ATC Count	0 days

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

Selected Locations:

Town Centre	1
Suburban Area (PPS6 Out of Centre)	1
Edge of Town	5
Free Standing (PPS6 Out of Town)	1

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

Selected Location Sub Categories:

Industrial Zone	2
Commercial Zone	2

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

Filtering Stage 3 selection:

Use Class:

B2	8 days

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

Population within 1 mile:

1,001 to 5,000	4 days
5,001 to 10,000	1 days
10,001 to 15,000	2 days
25,001 to 50,000	1 days

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

Population within 5 miles:

5,000 or Less	2 days
5,001 to 25,000	2 days
125,001 to 250,000	2 days
250,001 to 500,000	2 days

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

Car ownership within 5 miles:

0.6 to 1.0	1 days
1.1 to 1.5	6 days
1.6 to 2.0	1 days

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

Travel Plan:

No	8 days

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

LIST OF SITES relevant to selection parameters

1 CA-15-A-01 GARAGE CAMBRIDGESHIRE
FENGATE

PETERBOROUGH
Edge of Town
Industrial Zone
Total Parking spaces: 28
Survey date: TUESDAY 16/10/12 Survey Type: MANUAL

2 CS-15-A-01 GARAGE SLIGO
LOWER QUAY STREET

SLIGO
Town Centre
Built-Up Zone
Total Parking spaces: 2
Survey date: THURSDAY 24/10/13 Survey Type: MANUAL

3 CV-15-A-01 GARAGE CAVAN
DUBLIN ROAD

KINGSCOURT
Edge of Town
No Sub Category
Total Parking spaces: 25
Survey date: WEDNESDAY 19/12/12 Survey Type: MANUAL

4 DE-15-A-01 GARAGE DERRY
MCLEAN ROAD
CAMPSIE BUSINESS PARK
EGLINTON
Edge of Town
Commercial Zone
Total Parking spaces: 52
Survey date: THURSDAY 12/11/09 Survey Type: MANUAL

5 DO-15-A-01 GARAGE DOWN
ANN STREET

PORTAFERRY
Edge of Town
Residential Zone
Total Parking spaces: 4
Survey date: FRIDAY 18/10/13 Survey Type: MANUAL

6 LE-15-A-02 BMW & MINI GARAGE LEICESTERSHIRE
MERIDIAN EAST
BRAUNSTONE
LEICESTER
Edge of Town
Commercial Zone
Total Parking spaces: 22
Survey date: THURSDAY 25/06/09 Survey Type: MANUAL

7 WN-15-A-01 GARAGE WINDSOR & MAIDENHEAD
CORDWALLIS STREET

MAIDENHEAD
Suburban Area (PPS6 Out of Centre)
Industrial Zone
Total Parking spaces: 41
Survey date: FRIDAY 23/11/12 Survey Type: MANUAL

8 WS-15-A-01 GARAGE WEST SUSSEX
A29 BURY ROAD
WATERSFIELD
NEAR PULBOROUGH
Free Standing (PPS6 Out of Town)
Out of Town
Total Parking spaces: 29
Survey date: FRIDAY 04/12/09 Survey Type: MANUAL

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

TRIP RATE for Land Use 15 - VEHICLE SERVICES/A - VEHICLE REPAIR GARAGE (SLOW FIT)
VEHICLES
Calculation factor: 1 PARKING SPACES
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. PARKING	Trip Rate	No. Days	Ave. PARKING	Trip Rate	No. Days	Ave. PARKING	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	7	22	0.285	7	22	0.060	7	22	0.345
08:00 - 09:00	8	25	0.453	8	25	0.172	8	25	0.625
09:00 - 10:00	8	25	0.374	8	25	0.340	8	25	0.714
10:00 - 11:00	8	25	0.360	8	25	0.281	8	25	0.641
11:00 - 12:00	8	25	0.305	8	25	0.281	8	25	0.586
12:00 - 13:00	8	25	0.222	8	25	0.296	8	25	0.518
13:00 - 14:00	8	25	0.256	8	25	0.251	8	25	0.507
14:00 - 15:00	8	25	0.207	8	25	0.286	8	25	0.493
15:00 - 16:00	8	25	0.232	8	25	0.291	8	25	0.523
16:00 - 17:00	8	25	0.315	8	25	0.369	8	25	0.684
17:00 - 18:00	8	25	0.172	8	25	0.374	8	25	0.546
18:00 - 19:00	7	22	0.060	7	22	0.185	7	22	0.245
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.241			3.186			6.427

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

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

Parameter summary

Trip rate parameter range selected:	2 - 52 (units:)
Survey date date range:	01/01/07 - 24/10/13
Number of weekdays (Monday-Friday):	8
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

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

APPENDIX 5:
PROPOSED USE TRICS DATA AND ANALYSIS

Calculation Reference: AUDIT-753101-160130-0100

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : C - INDUSTRIAL UNIT
VEHICLES

Selected regions and areas:

02	SOUTH EAST		
	HF	HERTFORDSHIRE	1 days
03	SOUTH WEST		
	CW	CORNWALL	1 days
	DC	DORSET	1 days
	DV	DEVON	1 days
05	EAST MIDLANDS		
	NR	NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS		
	HE	HEREFORDSHIRE	1 days
	WM	WEST MIDLANDS	1 days
11	SCOTLAND		
	EB	CITY OF EDINBURGH	1 days
12	CONNAUGHT		
	CS	SLIGO	1 days
13	MUNSTER		
	WA	WATERFORD	1 days
16	ULSTER (REPUBLIC OF IRELAND)		
	MG	MONAGHAN	1 days

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

Filtering Stage 2 selection:

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

Parameter: Gross floor area
Actual Range: 1112 to 20000 (units: sqm)
Range Selected by User: 300 to 43325 (units: sqm)

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/07 to 09/06/15

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

Selected survey days:

Monday	1 days
Tuesday	6 days
Wednesday	1 days
Thursday	2 days
Sunday	1 days

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

Selected survey types:

Manual count	11 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	10

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

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

Filtering Stage 3 selection:

Use Class:

B1	7 days
B2	3 days

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

Population within 1 mile:

1,001 to 5,000	3 days
5,001 to 10,000	4 days
10,001 to 15,000	2 days
25,001 to 50,000	2 days

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

Population within 5 miles:

5,001 to 25,000	3 days
25,001 to 50,000	1 days
50,001 to 75,000	2 days
125,001 to 250,000	5 days

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

Car ownership within 5 miles:

0.6 to 1.0	2 days
1.1 to 1.5	9 days

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

Travel Plan:

No	11 days

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

LIST OF SITES relevant to selection parameters

1 CS-02-C-01 AV SPECIALISTS SLIGO
RATHFINN CLOSE
FINISKLIN BUSINESS PARK
SLIGO
Edge of Town
Commercial Zone
Total Gross floor area: 1112 sqm
Survey date: TUESDAY 28/04/15 Survey Type: MANUAL

2 CW-02-C-02 LIGHTING COMPANY CORNWALL
NORMANDY WAY

BODMIN
Edge of Town
Industrial Zone
Total Gross floor area: 17675 sqm
Survey date: WEDNESDAY 06/06/07 Survey Type: MANUAL

3 DC-02-C-06 DORSET CEREALS DORSET
PEVERELL AVENUE EAST
POUNDBURY
DORCHESTER
Edge of Town
No Sub Category
Total Gross floor area: 2880 sqm
Survey date: SUNDAY 20/07/08 Survey Type: MANUAL

4 DV-02-C-01 TUBE MANUFACTURE DEVON
PLYMBRIDGE ROAD
ESTOVER
PLYMOUTH
Edge of Town
Industrial Zone
Total Gross floor area: 20000 sqm
Survey date: TUESDAY 17/07/12 Survey Type: MANUAL

5 EB-02-C-01 BREWERY CITY OF EDINBURGH
DRYDEN ROAD
LOANHEAD
EDINBURGH
Edge of Town
Industrial Zone
Total Gross floor area: 1200 sqm
Survey date: MONDAY 16/06/08 Survey Type: MANUAL

6 HE-02-C-02 THERMAL PROCESSING HEREFORDSHIRE
COLLEGE ROAD
BURCOTT
HEREFORD
Edge of Town
Commercial Zone
Total Gross floor area: 1880 sqm
Survey date: TUESDAY 22/10/13 Survey Type: MANUAL

7 HF-02-C-01 INDUSTRIAL UNIT HERTFORDSHIRE
BRIDGE ROAD EAST

WELWYN GARDEN CITY
Suburban Area (PPS6 Out of Centre)
Industrial Zone
Total Gross floor area: 1800 sqm
Survey date: THURSDAY 17/07/08 Survey Type: MANUAL

8 MG-02-C-01 ENGINEERING MONAGHAN
COOLSHANNAGH ROAD
COOLSHANNAGH
NEAR MONAGHAN
Edge of Town
No Sub Category
Total Gross floor area: 3240 sqm
Survey date: TUESDAY 04/12/12 Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9 NR-02-C-01 PAPER COMPANY NORTHAMPTONSHIRE
RHOSILI ROAD
BRACKMILLS
NORTHAMPTON
Edge of Town
Industrial Zone
Total Gross floor area: 11500 sqm
Survey date: THURSDAY 27/11/08 Survey Type: MANUAL

10 WA-02-C-01 FOODS COMPANY WATERFORD
MAYPARK LANE

WATERFORD
Edge of Town
No Sub Category
Total Gross floor area: 2800 sqm
Survey date: TUESDAY 18/11/08 Survey Type: MANUAL

11 WM-02-C-03 INDUSTRIAL GLASS WEST MIDLANDS
DOWNING STREET

SMETHWICK
Edge of Town
Industrial Zone
Total Gross floor area: 5070 sqm
Survey date: TUESDAY 06/11/12 Survey Type: MANUAL

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

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
AN-02-C-01	Not Similar Business
AR-02-C-02	Not Similar Business
CH-02-C-01	Only B2 Use
CR-02-C-01	Not Similar Business
CW-02-C-01	Only B1(c) Use
DC-02-C-07	Not Similar Business
FI-02-C-01	Not Similar Business
HD-02-C-01	Not Similar Business
HD-02-C-02	Only B2 Use
MT-02-C-01	Only B2 Use
RE-02-C-01	Not Similar Business
RO-02-C-01	Not Similar Company
RO-02-C-02	Not Similar Company
SF-02-C-01	Not Similar Company
SR-02-C-01	Not Similar Company
WM-02-C-02	Not Similar Company

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
VEHICLES
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	11	6287	0.106	11	6287	0.025	11	6287	0.131
07:30 - 08:00	11	6287	0.223	11	6287	0.038	11	6287	0.261
08:00 - 08:30	11	6287	0.123	11	6287	0.059	11	6287	0.182
08:30 - 09:00	11	6287	0.153	11	6287	0.051	11	6287	0.204
09:00 - 09:30	11	6287	0.117	11	6287	0.054	11	6287	0.171
09:30 - 10:00	11	6287	0.075	11	6287	0.052	11	6287	0.127
10:00 - 10:30	11	6287	0.048	11	6287	0.049	11	6287	0.097
10:30 - 11:00	11	6287	0.045	11	6287	0.052	11	6287	0.097
11:00 - 11:30	11	6287	0.045	11	6287	0.040	11	6287	0.085
11:30 - 12:00	11	6287	0.052	11	6287	0.043	11	6287	0.095
12:00 - 12:30	11	6287	0.064	11	6287	0.091	11	6287	0.155
12:30 - 13:00	11	6287	0.039	11	6287	0.068	11	6287	0.107
13:00 - 13:30	11	6287	0.081	11	6287	0.100	11	6287	0.181
13:30 - 14:00	11	6287	0.158	11	6287	0.051	11	6287	0.209
14:00 - 14:30	11	6287	0.077	11	6287	0.143	11	6287	0.220
14:30 - 15:00	11	6287	0.061	11	6287	0.056	11	6287	0.117
15:00 - 15:30	11	6287	0.036	11	6287	0.104	11	6287	0.140
15:30 - 16:00	11	6287	0.043	11	6287	0.054	11	6287	0.097
16:00 - 16:30	11	6287	0.045	11	6287	0.071	11	6287	0.116
16:30 - 17:00	11	6287	0.027	11	6287	0.257	11	6287	0.284
17:00 - 17:30	11	6287	0.027	11	6287	0.117	11	6287	0.144
17:30 - 18:00	11	6287	0.025	11	6287	0.113	11	6287	0.138
18:00 - 18:30	11	6287	0.012	11	6287	0.052	11	6287	0.064
18:30 - 19:00	11	6287	0.010	11	6287	0.032	11	6287	0.042
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			1.692			1.772			3.464

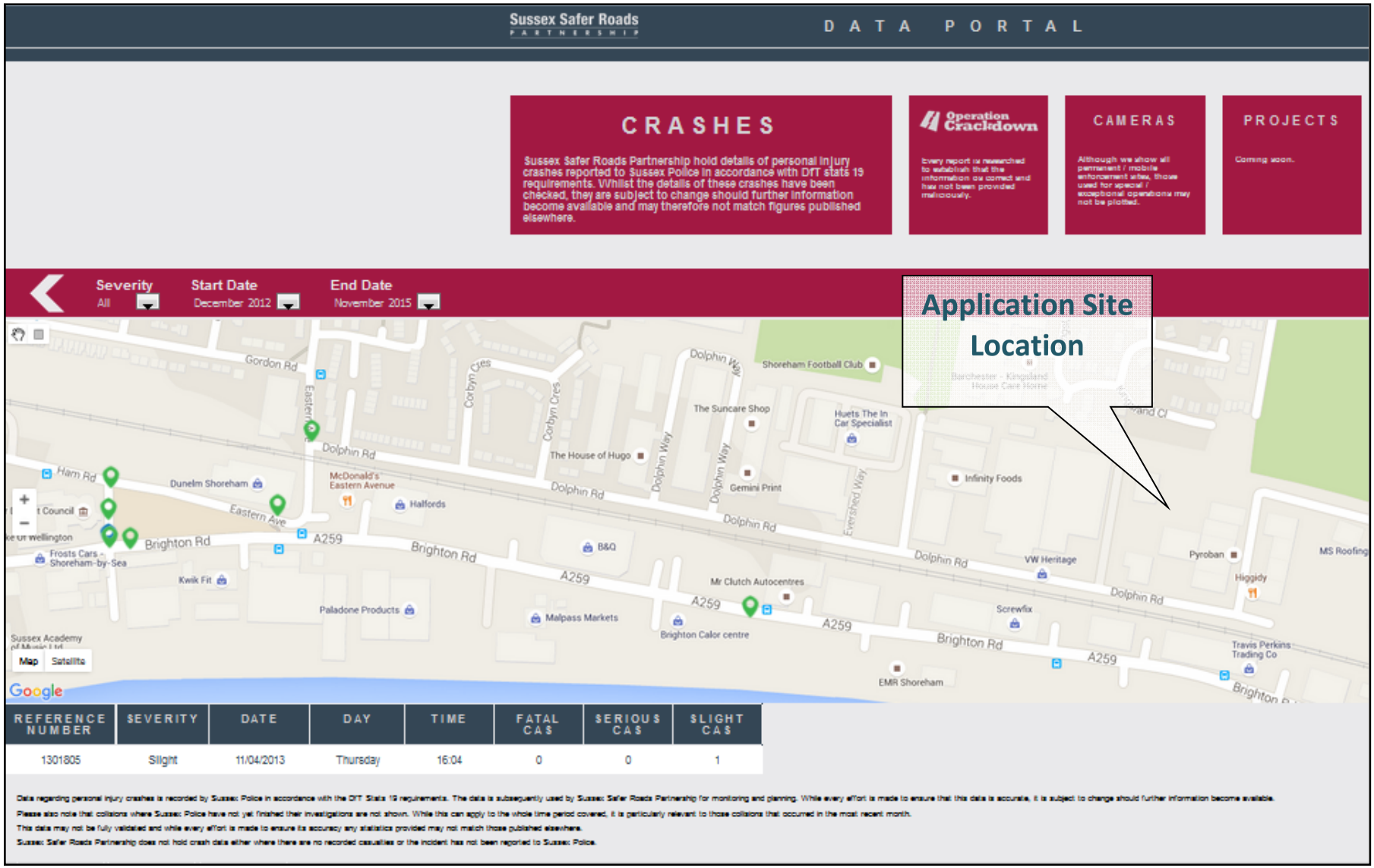
This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are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

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

TRICS 7.2.4
Trip Rate Parameter:
TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT
Calculation Factor: 100 sqm **Proposal Site GFA = 3374 m²**
Count Type: VEHICLES

Time Range	ARR	DEPT	TOTALS	ARR	DEPT	TOTALS
07:00-07:30	0.106	0.025	0.131	3.6	0.8	4.4
07:30-08:00	0.223	0.038	0.261	7.5	1.3	8.8
08:00-08:30	0.123	0.059	0.182	4.2	2.0	6.1
08:30-09:00	0.153	0.051	0.204	5.2	1.7	6.9
09:00-09:30	0.117	0.054	0.171	3.9	1.8	5.8
09:30-10:00	0.075	0.052	0.127	2.5	1.8	4.3
10:00-10:30	0.048	0.049	0.097	1.6	1.7	3.3
10:30-11:00	0.045	0.052	0.097	1.5	1.8	3.3
11:00-11:30	0.045	0.04	0.085	1.5	1.3	2.9
11:30-12:00	0.052	0.043	0.095	1.8	1.5	3.2
12:00-12:30	0.064	0.091	0.155	2.2	3.1	5.2
12:30-13:00	0.039	0.068	0.107	1.3	2.3	3.6
13:00-13:30	0.081	0.1	0.181	2.7	3.4	6.1
13:30-14:00	0.158	0.051	0.209	5.3	1.7	7.1
14:00-14:30	0.077	0.143	0.22	2.6	4.8	7.4
14:30-15:00	0.061	0.056	0.117	2.1	1.9	3.9
15:00-15:30	0.036	0.104	0.14	1.2	3.5	4.7
15:30-16:00	0.043	0.054	0.097	1.5	1.8	3.3
16:00-16:30	0.045	0.071	0.116	1.5	2.4	3.9
16:30-17:00	0.027	0.257	0.284	0.9	8.7	9.6
17:00-17:30	0.027	0.117	0.144	0.9	3.9	4.9
17:30-18:00	0.025	0.113	0.138	0.8	3.8	4.7
18:00-18:30	0.012	0.052	0.064	0.4	1.8	2.2
18:30-19:00	0.01	0.032	0.042	0.3	1.1	1.4
Daily Trip Rates:	**1.692**	**1.772**	**3.464**	**57.1**	**59.8**	**116.9**

APPENDIX 6:
SUSSEX SAFER ROAD PARTNERSHIP
COLLISION MAP


Sussex Safer Roads
PARTNERSHIP
DATA PORTAL
CRASHES
Sussex Safer Roads Partnership hold details of personal injury crashes reported to Sussex Police in accordance with DfT stats 19 requirements. Whilst the details of these crashes have been checked, they are subject to change should further information become available and may therefore not match figures published elsewhere.
Operation Crackdown
Every report is researched to establish that the information is correct and has not been provided maliciously.
CAMERAS
Although we show all permanent / mobile enforcement sites, those used for special / exceptional operations may not be plotted.
PROJECTS
Coming soon.
Severity
All
Start Date
December 2012
End Date
November 2015
Application Site Location
Gordon Rd
Dolphin Rd
Corbyn Cres
Dolphin Way
Shoreham Football Club
The Suncare Shop
Huets The In Car Specialist
The House of Hugo
Gemini Print
Infinity Foods
Ham Rd
Dunelm Shoreham
McDonald's Eastern Avenue
Halfords
Eastern Ave
Brighton Rd
A259
B&Q
Mr Clutch Autocentres
VW Heritage
Pyroban
Higgidy
Frosts Cars - Shoreham-by-Sea
Kwik Fit
Paladone Products
Malpass Markets
Brighton Calor centre
Screwfix
Travis Perkins Trading Co
EMR Shoreham
Sussex Academy
Map
Satellite
Google
REFERENCE NUMBER
SEVERITY
DATE
DAY
TIME
FATAL CAS
SERIOUS CAS
SLIGHT CAS
1301805
Slight
11/04/2013
Thursday
16:04
0
0
1
Data regarding personal injury crashes is recorded by Sussex Police in accordance with the DfT Stats 19 requirements. The data is subsequently used by Sussex Safer Roads Partnership for monitoring and planning. While every effort is made to ensure that this data is accurate, it is subject to change should further information become available.
Please also note that collisions where Sussex Police have not yet finished their investigations are not shown. While this can apply to the whole time period covered, it is particularly relevant to those collisions that occurred in the most recent month.
This data may not be fully validated and while every effort is made to ensure its accuracy any statistics provided may not match those published elsewhere.
Sussex Safer Roads Partnership does not hold crash data either where there are no recorded casualties or the incident has not been reported to Sussex Police.