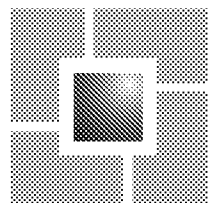


Land Adjacent to the Former Rising Sun Public House,
North Bersted

Transport Statement



david tucker associates
transport planning consultants

Land Adjacent to the Former Rising
Sun Public House, North Bersted

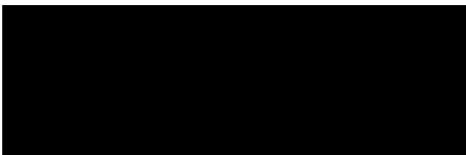
Transport Statement

19/05/21
RM/22494-01a TS

Prepared by:

David Tucker Associates

Forester House
Doctors Lane
Henley-in-Arden
Warwickshire
B95 5AW



Prepared For:

Cactus Projects Ltd

2 Grange Cottages
Cowlorth
Chichester
West Sussex
PO20 2DU

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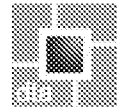
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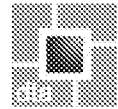
Appendices

Appendix A	Proposed Site Layout
Appendix B	Existing Traffic Flows – Thursday 16 th May until Wednesday 22 nd May 2019
Appendix C	Proposed Site Access
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1.0 INTRODUCTION

- 1.1 The development of 7 residential units is proposed on land formerly part of the Rising Sun Public House on Chichester Road, North Bersted. The public house building has been refurbished and is currently operated by Tesco Express as a convenience store. The car parking for the store has been formalised. The excess land made up of the gardens and hardstanding of the public house has been identified for residential development.
- 1.2 A Transport Statement was previously prepared by David Tucker Associates to support an application for a similar residential scheme which was submitted in 2013 (LPA reference BE/1/13). This application was withdrawn by the applicant prior to determination for non-transport related reasons. This Transport Statement reflects the current context for the development. This has been informed by a traffic survey on Chichester Road and a review of recent personal injury accident record.
- 1.3 There is an existing access to the site related to its former use. This access will be removed, and a new access better suited to the proposed use formed. The plan of the proposed site layout is shown at **Appendix A**.
- 1.4 This report takes into account the National Planning Policy Framework (NPPF) 2019. It also takes into account pre-application advice received from Arun District Council and application comments from West Sussex County Council as part of the original application.
- 1.5 The report considers :
- the suitability of the site and road layout, including access;
 - the suitability of the proposed residential car parking; and,
 - the residual traffic impact of the proposed development.
- 1.6 The report concludes that the site access and servicing arrangements are suitable for the proposed development. For these reasons it is concluded that there are no significant highway or transport issues arising from these proposals.



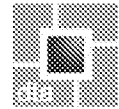
2.0 EXISTING CONDITIONS

Site Location

- 2.1 The site is located in an existing residential area in North Bersted. The site is located on a plot to the West of the Chichester Road.
- 2.2 There are a number of local facilities including shops and schools that are in easy walking distance of the site.
- 2.3 There is a Tesco express supermarket immediately adjacent to the site. The main local parade of shops is approximately 250m from the site.
- 2.4 The nearest primary school is Barton's Infant School which is approximately 350m from the site. The nearest secondary school is Bognor Regis Community College which is approximately 650m from the site.

Adjacent Highway Network

- 2.5 A259 Chichester Road runs from Bognor Regis to the South East to Chichester to the North West. In the immediate vicinity of the site, its orientation is broadly north – south.
- 2.6 Chichester Road is variable in width. At the northern end of the site, the carriageway is around 7.3m wide. At the southern end of the site the carriageway is around 8.5m wide. Chichester Road is lit. There are footways on both sides of the road which are generally of a good width.
- 2.7 The majority of the existing residential houses on Chichester Road take direct access with an area of hardstanding in front of individual properties. Accesses with minor roads are typically simple priority junctions. Junctions with major roads are typically roundabouts.
- 2.8 An automatic traffic counter was installed on Thursday 16th May until Wednesday 22nd May 2019 inclusive. Vehicle speed, classification and volumes were recorded. A summary is included in **Table 1** below. Full details are attached at **Appendix B**.



- 2.9 The posted speed limit on the Chichester Road in the vicinity of the site is 30mph. As shown in the above table the average speeds are within with the posted limit.

Table 1 Summary of ATC survey (15th May 2019 – 22nd May 2019)

Direction	Time period	Traffic Volume	Average Speed	85% ile Speed	Traffic Composition
Northbound	08:00-09:00	347	26.9	31.9	M/C 1.5% Car 88.8% LGV 7.4% HGV 1.8% Bus 0.5%
	17:00-18:00	439			
	Average Weekday	6078			
Southbound	08:00-09:00	396	26.8	31.8	M/C 1.3% Car 88.4% LGV 7.9% HGV 1.8% Bus 0.6%
	17:00-18:00	539			
	Average Weekday	6629			

Road Safety

- 2.10 The reported personal injury accidents on the local road network has been reviewed. These are published by the Department for Transport and reported on www.crashmap.co.uk. There has only been a single reported incident in the vicinity of the site. This occurred in 2014 and was classified as being of slight severity. There have been no reported incidents in the last three years. Overall there is no trend or pattern of incidents that would have a bearing on the proposed development.

Public Transport

- 2.11 Chichester Road is a bus route. There are regular services that stop on the site frontage. These services include:
- 700 Coastliner service that runs with a twenty minute daytime frequency from Brighton to Portsmouth and Southsea via Shoreham, Worthing, Littlehampton, Bognor Regis, Chichester and Havant every fifteen minutes. The service is operated by Stagecoach.
 - 141 Bishop Luffa School (Chichester) service which operates term time only at times relating to school travel demand periods. The service is operated by Compass Travel.



- U7B Chichester University – Bognor Regis service which operates weekday evenings only with service leaving Chichester at 20:18 and 21:38 and Bognor at 19:35, 21:00 and 22:20. The service is operated by Stagecoach.
- 905 Chichester University – Bognor Regis service which operates on Saturday evenings only with hourly services leaving Chichester from 9:05pm until 1:05pm southbound, and two return services from Bognor Regis at 2:20am and 3:40am. The service is operated by Stagecoach.

2.12 The nearest railway station is Bognor Regis which is 2.4km from the site.



3.0 DEVELOPMENT PROPOSALS

Access

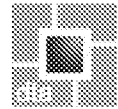
- 3.1 When operating as a public house the site had two points of access. The southernmost access is now used by the Tesco Express store to access their parking area. The northernmost access serves as an access into the development site but will be removed as part of the redevelopment of the site.
- 3.2 It is envisaged that there will be a single access point into the development. The access will be 5.4m to allow two vehicles to pass each other within the access.
- 3.3 Visibility at the proposed access will be commensurate with prevailing speeds on Chichester Road. As set out in **Table 1** above northbound speeds were marginally higher than southbound speeds. Based on the Manual for Streets parameters for braking and reaction time the stopping sight distances are 41.7m and 41.5m respectively (see **Table 2**). Visibility splays from a 2.4m setback into the access to a distance equivalent to stopping sight distance measured along the nearside kerb lines can be achieved in both directions.

Table 2 Stopping Sight Distance

Direction	Wet weather design speed	reaction time	deceleration rate	stopping sight distance	bonnet adjusted SSD
	kph	s	m/s ²	M	m
Northbound	47.3	1.5	4.4	39.3	41.7
Southbound	47.1	1.5	4.4	39.1	41.5

Internal Layout

- 3.4 The internal layout of the development make provision for the day-to-day servicing of the site, i.e. grocery and parcel deliveries. There is a turning area within the site which is sufficiently large for cars to turn but also for delivery vehicles such as light vans as typically used by couriers or supermarkets.
- 3.5 Within the site the Development has been designed in accordance with national residential design guidance in the DfT's Manual for Streets. The internal layout has therefore been designed to achieve low vehicle speeds. This will be achieved through the use of surface materials and layout.



- 3.6 Paragraph 7.2.8 MfS also highlights the significant role that shared surfaces can have in a development, these include, encouraging low vehicle speeds; creating an environment in which pedestrians can walk, or stop and chat, without feeling intimidated by motor traffic; make it easier for people to move around; and promoting social interaction.

“In the absence of a formal carriageway, the intention is that motorists entering the area will tend to drive more cautiously and negotiate the right of way with pedestrians on a more *conciliatory* level (Fig. 7.5).”

Ref MfS para 7.2.9

- 3.7 MfS goes onto to say:

A study of public transport in London Borough Pedestrian Priority Areas (PPAs) undertaken by TRL for the Bus Priority Team at Transport for London concluded that there is a self limiting factor on pedestrians sharing space with motorists, of around 100 vph. Above this, pedestrians treat the general path taken by motor vehicles as a ‘road’ to be crossed rather than as a space to occupy. The speed of vehicles also had a strong influence on how pedestrians used the shared area. Although this research project concentrated on PPAs, it is reasonable to assume that these factors are relevant to other shared space schemes.

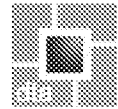
Ref MfS page 83

- 3.8 The design of the scheme pays full attention to the contents of the Disability Discrimination Act, such that the layout is fully accessible and in no way hinders disabled pedestrians and residents. The low vehicle speeds and volumes in home zones are a general benefit for people with sensory or mobility difficulties.

Parking

- 3.9 It is proposed to provide 16 car parking spaces within the site. It is proposed to allocate one car parking space to each of the 7 dwellings. In addition to the allocated spaces a further 9 spaces will be available as a common resource for visitors and multi-car households.

3.10 The appropriateness of the parking has been assessed using the West Sussex County Council Parking Demand Tool. This tool calculates the typical car parking demand for 2026 based on the reported car parking demand in the 2011 Census, in this case within the Bersted



ward, with growth from TEMPRO to 2026. The demand is based on the number of habitable rooms, tenure and allocation of car parking spaces. The tool reports that based on unallocated parking there is an overall demand for 16 spaces. With one space allocated to 7 dwellings the demand remains at 16 spaces.

Servicing

- 3.11 For a small development of 7 houses there is no need for the refuse vehicles servicing the site to enter the development rather it is envisaged that the site will be serviced from the kerb side in a similar fashion to the existing residential properties on Chichester Road. Manual for Streets does however cite Schedule 1, Part H of the Building Regulations (2000) which advises that 'residents should not be required to carry waste more than 30m (excluding any vertical distance) to the storage point', that 'waste collection vehicles should be able to get within 25m of the storage point and the gradient between the two should not exceed 1:12' and that 'the collection point should be reasonably accessible for vehicles typically used by the waste collection authority'.
- 3.12 To comply with the above requirements a communal bin store has been identified on the site masterplan.

Traffic Impact

- 3.13 The proposed development is well below the threshold for a formal appraisal of the traffic implications of a development. Nevertheless, trip rates have been derived from the TRICS database using the private housing category. The detailed report is included at **Appendix D**. The resulting vehicle trip rates are set out within **Table 3**.



Table 3 Vehicular Trip Rates

	Trips per House			Trip Estimates (7 dwellings)		
	In	Out	Total	In	Out	Total
AM Peak 0800-0900	0.182	0.401	0.583	1	3	4
PM Peak 1700-1800	0.371	0.221	0.592	3	2	5
12 Hour 0700-1900	2.724	2.758	5.482	19	19	38

- 3.14 As can be seen from this table the peak hour traffic generation of the site is likely to be very modest.



4.0 CONCLUSION

4.1 The development of a site for 7 dwellings is proposed. The report considers:

- the accessibility of the site by all modes to employment, education and leisure opportunities; and,
- the site and road layout, including access.

4.2 The report concludes that:

- The site has good connectivity to the existing pedestrian, cycle and public transport networks.
- The traffic generation of the site will be modest and will not have a material impact upon the operation of the adjacent highway network; and,
- That an accepted access can be achieved with visibility splays commensurate with the prevailing speeds on the adjacent road.

4.3 For these reasons it is concluded that there are no significant highway or transport issues arising from these proposals.

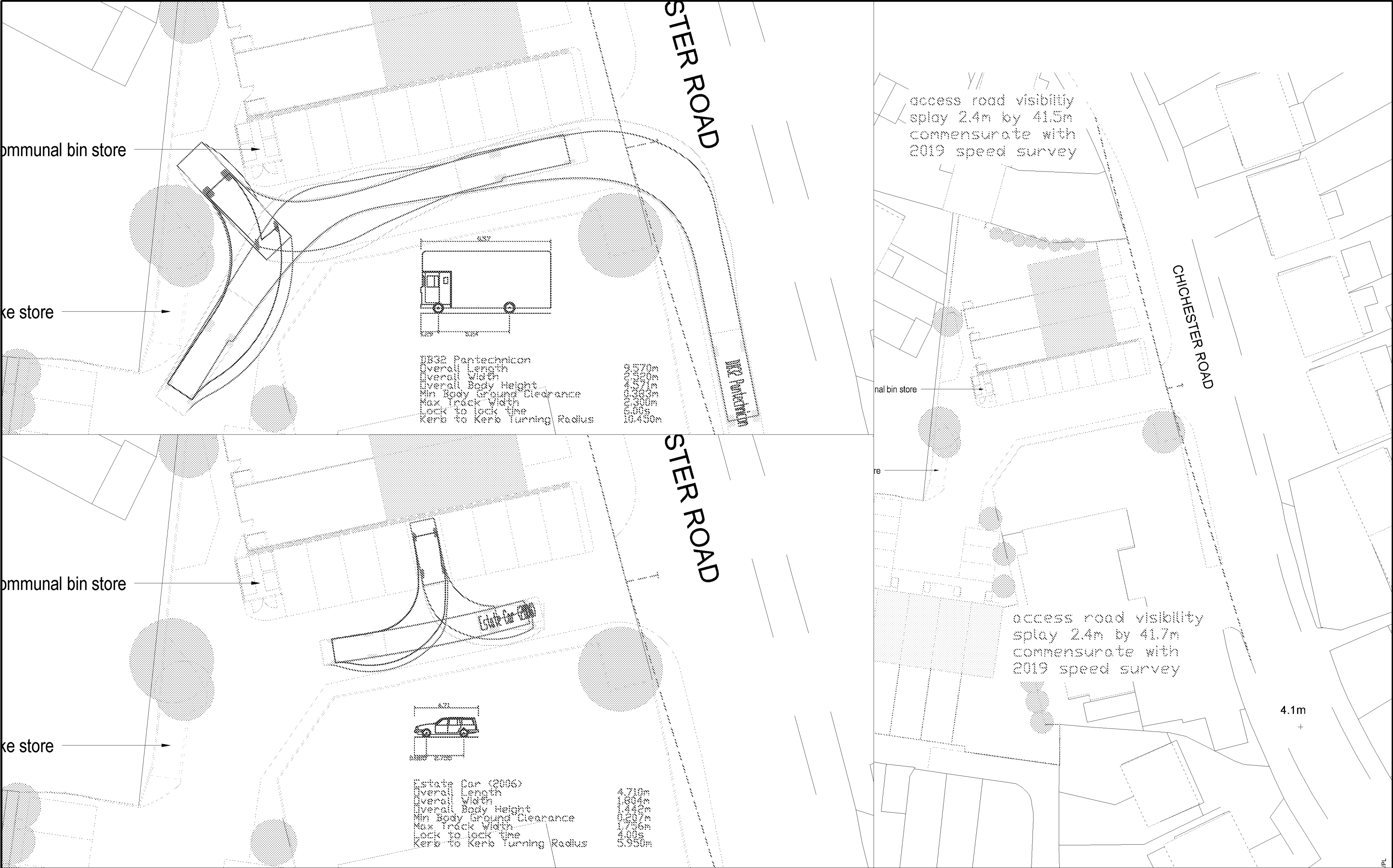
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Appendix A

Appendix B

24202 NORTH BERSTED										
MAY 2019										
Site	Location	Direction	Start Date	End Date	Posted Speed Limit (PSL)	Total Vehicles	5 Day Ave.	7 Day Ave.	Average 85%ile Speed	Average Mean Speed
Site No: 24202001	Chichester Road, North Bersted (Fence) SU 92265 00769	Channel: Northbound	Thu 16-May-19	Wed 22-May-19	30	40910	6078	5844	31.9	26.9
		Channel: Southbound	Thu 16-May-19	Wed 22-May-19		44196	6629	6314	31.8	26.8

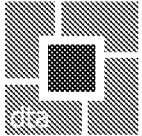
Appendix C



Based upon the ORDNANCE SURVEY MAPS with the permission of THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE
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REV	DESCRIPTION	DRAWN	INITIALS	DATE	DRAWING STATUS	CHECKED BY	DATE



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Tel: +44(0)1564 793598
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JOB TITLE		CLIENT	
FORMER RISING SUN		CACTUS	
DRAWING TITLE			
SITE ACCESS			
SCALE	DRAWN BY	DATE	DRAWING No
SEE PLAN	BP	MARCH 2021	22494-01

REVISION

DATE

BY

ARUN DISTRICT COUNCIL BE/1042/JPL

Appendix D

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLESSelected regions and areas:**01 GREATER LONDON**

BT	BRENT	1 days
KI	KINGSTON	1 days
KN	KENSINGTON AND CHELSEA	1 days
WF	WALTHAM FOREST	1 days

02 SOUTH EAST

BD	BEDFORDSHIRE	1 days
ES	EAST SUSSEX	1 days

03 SOUTH WEST

CW	CORNWALL	1 days
GS	GLOUCESTERSHIRE	1 days
WL	WILTSHIRE	1 days

04 EAST ANGLIA

SF	SUFFOLK	2 days
----	---------	--------

05 EAST MIDLANDS

DS	DERBYSHIRE	1 days
----	------------	--------

06 WEST MIDLANDS

SH	SHROPSHIRE	1 days
WM	WEST MIDLANDS	2 days
WO	WORCESTERSHIRE	1 days

07 YORKSHIRE & NORTH LINCOLNSHIRE

NY	NORTH YORKSHIRE	3 days
----	-----------------	--------

08 NORTH WEST

GM	GREATER MANCHESTER	1 days
LC	LANCASHIRE	1 days

09 NORTH

CB	CUMBRIA	2 days
----	---------	--------

Filtering Stage 2 selection:

Parameter: Number of dwellings
Actual Range: 20 to 115 (units:)
Range Selected by User: 20 to 120 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/04 to 18/11/11

Selected survey days:

Monday	4 days
Tuesday	8 days
Wednesday	2 days
Thursday	4 days
Friday	5 days

Selected survey types:

Manual count	23 days
Directional ATC Count	0 days

Selected Locations:

Edge of Town Centre	2
Suburban Area (PPS6 Out of Centre)	10
Edge of Town	10
Neighbourhood Centre (PPS6 Local Centre)	1

Selected Location Sub Categories:

Residential Zone	15
Built-Up Zone	2
Out of Town	1
No Sub Category	5

LIST OF SITES relevant to selection parameters

- | | | | |
|---|---|-------------------------------------|---|
| 1 | BD-03-A-02
RIDDY LANE | SEMI DETACHED, LUTON | BEDFORDSHIRE |
| | LUTON
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of dwellings: 82
Survey date: TUESDAY 06/07/04 | | |
| 2 | BT-03-A-01
KENTON ROAD | SEMI DETACHED, BRENT | BRENT

Survey Type: MANUAL |
| | BRENT
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of dwellings: 82
Survey date: TUESDAY 20/11/07 | | |
| 3 | CB-03-A-03
HAWKSHEAD AVENUE | SEMI DETACHED, WORKINGTON | CUMBRIA

Survey Type: MANUAL |
| | WORKINGTON
Edge of Town
Residential Zone
Total Number of dwellings: 40
Survey date: THURSDAY 20/11/08 | | |
| 4 | CB-03-A-04
MOORCLOSE ROAD
SALTERBACK
WORKINGTON | SEMI DETACHED, WORKINGTON | CUMBRIA

Survey Type: MANUAL |
| | Edge of Town
No Sub Category
Total Number of dwellings: 82
Survey date: FRIDAY 24/04/09 | | |
| 5 | CW-03-A-02
BOSVEAN GARDENS | SEMI D./ DETACHED, TRURO | CORNWALL

Survey Type: MANUAL |
| | TRURO
Suburban Area (PPS6 Out of Centre)
Residential Zone
Total Number of dwellings: 73
Survey date: TUESDAY 18/09/07 | | |
| 6 | DS-03-A-01
THE AVENUE
HOLMESDALE
DRONFIELD | SEMI D./ TERRACED, DRONFIELD | DERBYSHIRE

Survey Type: MANUAL |
| | Neighbourhood Centre (PPS6 Local Centre)
Residential Zone
Total Number of dwellings: 20
Survey date: THURSDAY 22/06/06 | | |
| 7 | ES-03-A-02
SOUTH COAST ROAD | PRI VATE HOUSI NG,PEACEHAVEN | EAST SUSSEX

Survey Type: MANUAL |
| | PEACEHAVEN
Edge of Town
Residential Zone
Total Number of dwellings: 37
Survey date: FRIDAY 18/11/11 | | |

LIST OF SITES relevant to selection parameters (Cont.)

8	GM-03-A-10	DETACHED/ SEMI , MANCHESTER	GREATER MANCHESTER
	BUTT HILL DRIVE		
	PRESTWICH		
	MANCHESTER		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	29	
	Survey date: WEDNESDAY	12/10/11	Survey Type: MANUAL
9	GS-03-A-01	SEMI D./ TERRACED, GLOUCESTER	GLOUCESTERSHIRE
	KINGSHOLM ROAD		
	KINGSHOLM		
	GLOUCESTER		
	Edge of Town Centre		
	No Sub Category		
	Total Number of dwellings:	73	
	Survey date: TUESDAY	25/05/04	Survey Type: MANUAL
10	KI-03-A-02	DETACHED, KINGSTON	KINGSTON
	WOLSEY CLOSE		
	KINGSTON UPON THAMES		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	20	
	Survey date: THURSDAY	24/06/10	Survey Type: MANUAL
11	KN-03-A-01	TERRACED, NORTH KENSINGTON	KENSINGTON AND CHELSEA
	BARLBY ROAD		
	NORTH KENSINGTON		
	Suburban Area (PPS6 Out of Centre)		
	Built-Up Zone		
	Total Number of dwellings:	24	
	Survey date: FRIDAY	26/01/07	Survey Type: MANUAL
12	LC-03-A-22	BUNGALOWS, BLACKPOOL	LANCASHIRE
	CLIFTON DRIVE NORTH		
	BLACKPOOL		
	Edge of Town		
	Residential Zone		
	Total Number of dwellings:	98	
	Survey date: TUESDAY	18/10/05	Survey Type: MANUAL
13	NY-03-A-01	MIXED HOUSES, NORTHALLERTON	NORTH YORKSHIRE
	GRAMMAR SCHOOL LANE		
	NORTHALLERTON		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Number of dwellings:	52	
	Survey date: TUESDAY	25/09/07	Survey Type: MANUAL
14	NY-03-A-05	HOUSES AND FLATS, RIPON	NORTH YORKSHIRE
	BOROUGHBRIDGE ROAD		
	RIPON		
	Edge of Town		
	No Sub Category		
	Total Number of dwellings:	71	
	Survey date: MONDAY	22/09/08	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

15	NY-03-A-06	BUNGALOWS/ SEMI DET., BBDGE	NORTH YORKSHIRE
		HORSEFAIR	
		BOROUGHBRIDGE	
		Suburban Area (PPS6 Out of Centre)	
		Residential Zone	
		Total Number of dwellings: 115	
		Survey date: FRIDAY 14/10/11	Survey Type: MANUAL
16	SF-03-A-01	SEMI DETACHED, IPSWICH	SUFFOLK
		A1156 FELIXSTOWE ROAD	
		RACECOURSE	
		IPSWICH	
		Suburban Area (PPS6 Out of Centre)	
		Residential Zone	
		Total Number of dwellings: 77	
		Survey date: WEDNESDAY 23/05/07	Survey Type: MANUAL
17	SF-03-A-03	MIXED HOUSES, BURY ST EDMDS	SUFFOLK
		BARTON HILL	
		FORNHAM ST MARTIN	
		BURY ST EDMUNDS	
		Edge of Town	
		Out of Town	
		Total Number of dwellings: 101	
		Survey date: MONDAY 15/05/06	Survey Type: MANUAL
18	SH-03-A-04	TERRACED, SHREWSBURY	SHROPSHIRE
		ST MICHAEL'S STREET	
		SHREWSBURY	
		Suburban Area (PPS6 Out of Centre)	
		No Sub Category	
		Total Number of dwellings: 108	
		Survey date: THURSDAY 11/06/09	Survey Type: MANUAL
19	WF-03-A-01	TERRACED, WALTHAMSTOW	WALTHAM FOREST
		CLEVELAND PARK AVENUE	
		WALTHAMSTOW	
		Edge of Town Centre	
		Built-Up Zone	
		Total Number of dwellings: 53	
		Survey date: TUESDAY 30/01/07	Survey Type: MANUAL
20	WL-03-A-01	SEMI D./ TERRACED W. BASSETT	WILTSHIRE
		MAPLE DRIVE	
		WOOTTON BASSETT	
		Edge of Town	
		Residential Zone	
		Total Number of dwellings: 99	
		Survey date: MONDAY 02/10/06	Survey Type: MANUAL
21	WM-03-A-01	TERRACED, COVENTRY	WEST MIDLANDS
		FOLESHILL ROAD	
		FOLESHILL	
		COVENTRY	
		Suburban Area (PPS6 Out of Centre)	
		Residential Zone	
		Total Number of dwellings: 79	
		Survey date: FRIDAY 03/02/06	Survey Type: MANUAL

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

LIST OF SITES relevant to selection parameters (Cont.)

22	WM-03-A-03	MIXED HOUSING, COVENTRY	WEST MIDLANDS
		BASELEY WAY	
		ROWLEYS GREEN	
		COVENTRY	
		Edge of Town	
		Residential Zone	
		Total Number of dwellings:	84
		Survey date: MONDAY	24/09/07
23	WO-03-A-02	SEMI DETACHED, REDDITCH	WORCESTERSHIRE
		MEADOWHILL ROAD	
		REDDITCH	
		Edge of Town	
		No Sub Category	
		Total Number of dwellings:	48
		Survey date: TUESDAY	02/05/06
			Survey Type: MANUAL

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.069	23	67	0.280	23	67	0.349
08:00 - 09:00	23	67	0.182	23	67	0.401	23	67	0.583
09:00 - 10:00	23	67	0.212	23	67	0.228	23	67	0.440
10:00 - 11:00	23	67	0.171	23	67	0.200	23	67	0.371
11:00 - 12:00	23	67	0.206	23	67	0.203	23	67	0.409
12:00 - 13:00	23	67	0.223	23	67	0.187	23	67	0.410
13:00 - 14:00	23	67	0.205	23	67	0.182	23	67	0.387
14:00 - 15:00	23	67	0.211	23	67	0.217	23	67	0.428
15:00 - 16:00	23	67	0.284	23	67	0.232	23	67	0.516
16:00 - 17:00	23	67	0.336	23	67	0.207	23	67	0.543
17:00 - 18:00	23	67	0.371	23	67	0.221	23	67	0.592
18:00 - 19:00	23	67	0.254	23	67	0.200	23	67	0.454
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			2.724				2.758	5.482	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL OGVS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.001	23	67	0.002	23	67	0.003
08:00 - 09:00	23	67	0.002	23	67	0.001	23	67	0.003
09:00 - 10:00	23	67	0.005	23	67	0.004	23	67	0.009
10:00 - 11:00	23	67	0.005	23	67	0.006	23	67	0.011
11:00 - 12:00	23	67	0.003	23	67	0.003	23	67	0.006
12:00 - 13:00	23	67	0.006	23	67	0.004	23	67	0.010
13:00 - 14:00	23	67	0.001	23	67	0.003	23	67	0.004
14:00 - 15:00	23	67	0.002	23	67	0.002	23	67	0.004
15:00 - 16:00	23	67	0.000	23	67	0.001	23	67	0.001
16:00 - 17:00	23	67	0.002	23	67	0.000	23	67	0.002
17:00 - 18:00	23	67	0.001	23	67	0.001	23	67	0.002
18:00 - 19:00	23	67	0.001	23	67	0.001	23	67	0.002
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.029				0.028	0.057	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL PSVS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.000	23	67	0.000	23	67	0.000
08:00 - 09:00	23	67	0.001	23	67	0.001	23	67	0.002
09:00 - 10:00	23	67	0.001	23	67	0.001	23	67	0.002
10:00 - 11:00	23	67	0.001	23	67	0.001	23	67	0.002
11:00 - 12:00	23	67	0.000	23	67	0.001	23	67	0.001
12:00 - 13:00	23	67	0.000	23	67	0.000	23	67	0.000
13:00 - 14:00	23	67	0.000	23	67	0.000	23	67	0.000
14:00 - 15:00	23	67	0.000	23	67	0.000	23	67	0.000
15:00 - 16:00	23	67	0.001	23	67	0.001	23	67	0.002
16:00 - 17:00	23	67	0.001	23	67	0.001	23	67	0.002
17:00 - 18:00	23	67	0.001	23	67	0.001	23	67	0.002
18:00 - 19:00	23	67	0.000	23	67	0.000	23	67	0.000
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.006				0.007	0.013	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL CYCLISTS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.005	23	67	0.010	23	67	0.015
08:00 - 09:00	23	67	0.005	23	67	0.016	23	67	0.021
09:00 - 10:00	23	67	0.002	23	67	0.004	23	67	0.006
10:00 - 11:00	23	67	0.006	23	67	0.008	23	67	0.014
11:00 - 12:00	23	67	0.006	23	67	0.003	23	67	0.009
12:00 - 13:00	23	67	0.006	23	67	0.003	23	67	0.009
13:00 - 14:00	23	67	0.003	23	67	0.004	23	67	0.007
14:00 - 15:00	23	67	0.001	23	67	0.003	23	67	0.004
15:00 - 16:00	23	67	0.010	23	67	0.006	23	67	0.016
16:00 - 17:00	23	67	0.016	23	67	0.018	23	67	0.034
17:00 - 18:00	23	67	0.020	23	67	0.013	23	67	0.033
18:00 - 19:00	23	67	0.014	23	67	0.009	23	67	0.023
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.094				0.097	0.191	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLE OCCUPANTS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.077	23	67	0.335	23	67	0.412
08:00 - 09:00	23	67	0.217	23	67	0.566	23	67	0.783
09:00 - 10:00	23	67	0.249	23	67	0.297	23	67	0.546
10:00 - 11:00	23	67	0.219	23	67	0.258	23	67	0.477
11:00 - 12:00	23	67	0.254	23	67	0.249	23	67	0.503
12:00 - 13:00	23	67	0.273	23	67	0.237	23	67	0.510
13:00 - 14:00	23	67	0.252	23	67	0.223	23	67	0.475
14:00 - 15:00	23	67	0.262	23	67	0.277	23	67	0.539
15:00 - 16:00	23	67	0.434	23	67	0.309	23	67	0.743
16:00 - 17:00	23	67	0.452	23	67	0.277	23	67	0.729
17:00 - 18:00	23	67	0.480	23	67	0.288	23	67	0.768
18:00 - 19:00	23	67	0.332	23	67	0.273	23	67	0.605
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			3.501				3.589	7.090	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL PEDESTRIANS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.034	23	67	0.080	23	67	0.114
08:00 - 09:00	23	67	0.068	23	67	0.226	23	67	0.294
09:00 - 10:00	23	67	0.066	23	67	0.083	23	67	0.149
10:00 - 11:00	23	67	0.047	23	67	0.086	23	67	0.133
11:00 - 12:00	23	67	0.065	23	67	0.061	23	67	0.126
12:00 - 13:00	23	67	0.065	23	67	0.068	23	67	0.133
13:00 - 14:00	23	67	0.072	23	67	0.078	23	67	0.150
14:00 - 15:00	23	67	0.063	23	67	0.072	23	67	0.135
15:00 - 16:00	23	67	0.160	23	67	0.114	23	67	0.274
16:00 - 17:00	23	67	0.121	23	67	0.073	23	67	0.194
17:00 - 18:00	23	67	0.094	23	67	0.058	23	67	0.152
18:00 - 19:00	23	67	0.084	23	67	0.072	23	67	0.156
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.939				1.071	2.010	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL PUBLIC TRANSPORT USERS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.005	23	67	0.022	23	67	0.027
08:00 - 09:00	23	67	0.015	23	67	0.047	23	67	0.062
09:00 - 10:00	23	67	0.015	23	67	0.014	23	67	0.029
10:00 - 11:00	23	67	0.002	23	67	0.010	23	67	0.012
11:00 - 12:00	23	67	0.006	23	67	0.016	23	67	0.022
12:00 - 13:00	23	67	0.003	23	67	0.008	23	67	0.011
13:00 - 14:00	23	67	0.003	23	67	0.008	23	67	0.011
14:00 - 15:00	23	67	0.006	23	67	0.010	23	67	0.016
15:00 - 16:00	23	67	0.011	23	67	0.015	23	67	0.026
16:00 - 17:00	23	67	0.014	23	67	0.005	23	67	0.019
17:00 - 18:00	23	67	0.016	23	67	0.005	23	67	0.021
18:00 - 19:00	23	67	0.008	23	67	0.007	23	67	0.015
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			0.104						0.271

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1

DTA Transportation Ltd Doctors Lane Henley in Arden

Licence No: 623801

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	23	67	0.120	23	67	0.447	23	67	0.567
08:00 - 09:00	23	67	0.304	23	67	0.855	23	67	1.159
09:00 - 10:00	23	67	0.332	23	67	0.397	23	67	0.729
10:00 - 11:00	23	67	0.274	23	67	0.361	23	67	0.635
11:00 - 12:00	23	67	0.332	23	67	0.328	23	67	0.660
12:00 - 13:00	23	67	0.348	23	67	0.315	23	67	0.663
13:00 - 14:00	23	67	0.330	23	67	0.313	23	67	0.643
14:00 - 15:00	23	67	0.332	23	67	0.363	23	67	0.695
15:00 - 16:00	23	67	0.615	23	67	0.444	23	67	1.059
16:00 - 17:00	23	67	0.602	23	67	0.374	23	67	0.976
17:00 - 18:00	23	67	0.611	23	67	0.364	23	67	0.975
18:00 - 19:00	23	67	0.438	23	67	0.362	23	67	0.800
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			4.638				4.923	9.561	

Parameter summary

Trip rate parameter range selected: 20 - 115 (units:)
 Survey date range: 01/01/04 - 18/11/11
 Number of weekdays (Monday-Friday): 23
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 1



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