



Norcot Service Station
Oxford Road
Reading
RG30 1EL

TRANSPORT STATEMENT

On behalf of
Motor Fuel Group (MFG)

MT/5977/TS.2
October 2023

Experience and expertise working together



Document Control Sheet

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Report Issue No.	Date	Author	Authorised
MT/5977/TS.1	3 rd October 2023	MT	MT
MT/5977/TS.2	4 th October 2023	MT	MT

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1 INTRODUCTION

1.1 Bellamy Roberts has been instructed by Motor Fuel Group (MFG) to prepare a Transport Statement in support of a planning application for a new single storey side extension to the existing sales building and the installation of two jet wash bays.

1.2 The planning application was validated in August 2023 (LPA Ref. 231121) and consultation comments have been received from the Highway Authority dated 24th August 2023. The Highway Authority comments are provided at [Appendix 1](#), however in summary the Authority has requested additional information in relation to the following matters:

- Trip Generation;
- Parking provision; and
- Servicing Strategy.

1.3 This Transport Statement has therefore been prepared to address the concerns raised by the Highway Authority thus enabling a positive recommendation to be given for the proposed development. It has considered all relevant National and Local Planning Policy and has been assessed against the four key transport requirements as set out at paragraph 111 of the National Planning Policy Framework (NPPF) which states the following:

“In assessing sites that may be allocated for development in plans, or specific applications for development, it should be ensured that:

- a) appropriate opportunities to promote sustainable transport modes can be - or have been - taken up, given the type of development and its location;***
- b) safe and suitable access to the site can be achieved for all users;***
- c) the design of streets, parking areas, other transport elements and the content of associated standards reflects current national guidance, including the National Design Guide and the National Model Design Code; and***
- d) any significant impacts from the development on the transport network (in terms of capacity and congestion), or on highway safety, can be cost effectively mitigated to an acceptable degree.”***

2. SITE LOCATION AND LOCAL HIGHWAY NETWORK

- 2.1** The application site is located immediately adjacent to the Wigmore Lane/Oxford Road roundabout. The current site comprises a petrol filling station that is accessed from Oxford Road with vehicles exiting onto Wigmore Lane. A site location plan is provided at [Appendix 2](#), an extract of which is at Figure 1.



Figure 1: Site Location Plan

- 2.2** Vehicle entry from Oxford Road is left-in only and vehicle exit onto Wigmore Lane allows left-out and right-out.
- 2.3** Both Oxford Road and Wigmore Lane are subject to speed limits of 30mph albeit vehicles will be approaching both accesses at lower speeds given their proximity to the adjacent roundabout.
- 2.4** The filling station currently comprises 8 pumps and a retail building with a floor area of c. 44m². Three parking bays are provided at the southern end of the application site.

Collision Data

- 2.5** A review of collision data has been undertaken for the most recent five year period (2017-2021). Planning Practice Guidance states at paragraph 015 (reference ID: 42-015-20140306) that the analysis of injury accident records should be undertaken on the public highway in the vicinity of the site access “for the most recent 3-year period, or 5-year period if the proposed site has been identified as within a high accident area”.
- 2.6** The assessment of collision data has therefore gone above and beyond what would normally be undertaken.
- 2.7** The search area is shown at Figure 2 and identifies that 21 collisions were recorded during the search period.

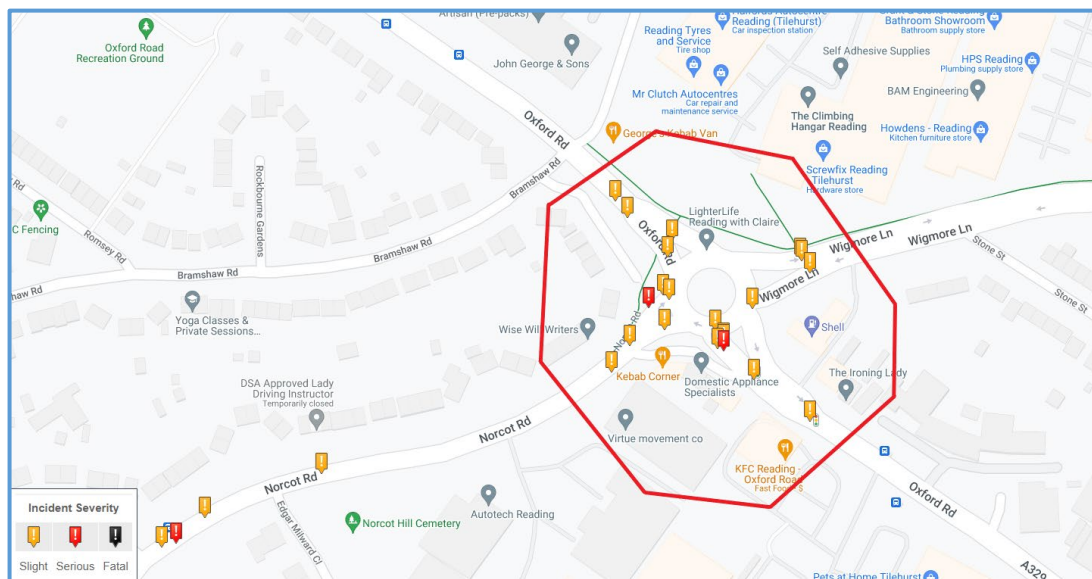


Figure 2: Summary of Collision Data

- 2.8** A total of 21 collisions were recorded and as can be seen from Figure 2, these are spread across the roundabout and not confined to a particular arm or location. It is notable that no collisions have been recorded at either site access.
- 2.9** A review of the Crashmap collision reports (see [Appendix 3](#)) does not identify any patterns in the recorded collisions and there is no evidence to suggest there is an inherent safety concern within the local highway network that would be exacerbated by the proposed development.

3. DEVELOPMENT PROPOSAL

- 3.1** The development proposes a new single storey side extension to the existing sales building and 2 no. jet wash bays. The floor area of the proposed extension is c. 78m² and the floor area of the existing retail area is c. 44m².
- 3.2** The air and vac bay will be relocated to the southern end of the site which will result in the loss of a single car parking space at this location.
- 3.3** To facilitate the proposed extension to the retail building, one refuelling pump will be removed and one relocated within the site (alongside pumps 5 and 6). These are identified as pumps 7 and 8 on the 'Existing Site Plan' prepared by MBH Design Studies (ref. 14156-201), a copy of which is provided at [Appendix 4](#).
- 3.4** Access to the site will remain as per the existing situation with vehicles entering from Oxford Road (left-in) and exiting via Wigmore Lane (left-out and right-out). As such, no changes are proposed in this regard.
- 3.5** In their consultation response, the Highway Authority has requested an assessment of the trip generation, parking provision and the servicing strategy. These matters are considered in turn in the following paragraphs.

Trip Generation

- 3.6** To determine the level of traffic generated by the existing filling station, the TRICS (7.10.3) database has been considered. The existing site has been classified as a petrol filling station (PFS) – with retail. Sites in edge of town centre, edge of town and suburban areas in England and Wales have been selected. A summary of the traffic generated by the application site is provided in Table 1. The full TRICS output is at [Appendix 5](#).

Table 1: Summary of Existing Traffic Generation

Time Period	Trip Rate (per pump)			Traffic Generation (8 pumps)		
	Arrivals	Departures	Two-way	Arrivals	Departures	Two-way
Morning Peak Hour 0800-0900	7.486	7.130	14.616	60	57	117
Evening Peak Hour 1700-1800	8.473	8.555	17.028	68	68	136
Daily (12-hour) 0700-1900	94.062	94.013	188.075	753	752	1,505

3.7 It can be seen from Table 1 that the application site generates in the region of 117-136 two-way trips during the network peak hour periods and c. 1,500 two-way trips across the 12-hour day.

3.8 As set out previously, the proposed extension to the retail building will result in the loss of one refuelling pump. This will reduce the level of traffic generated by the application site by the amounts summarised in Table 2.

Table 2: Summary of Traffic Reduction

Time Period	Traffic Generation (1 pump)		
	Arrivals	Departures	Two-way
Morning Peak Hour 0800-0900	8	7	15
Evening Peak Hour 1700-1800	8	9	17
Daily (12-hour) 0700-1900	94	94	188

3.9 The loss of 1 refuelling pump will reduce the level of traffic generated by the application site by 15-17 two-way trips during the morning and evening peak hour periods and 188 two-way trips across the 12-hour day. This is a material reduction in traffic movements. The post development flows are therefore set out in Table 3.

Table 3: Summary of Post-Development Traffic Reduction

Time Period	Traffic Generation (7 pump)		
	Arrivals	Departures	Two-way
Morning Peak Hour 0800-0900	52	50	102
Evening Peak Hour 1700-1800	60	59	119
Daily (12-hour) 0700-1900	659	658	1,317

3.10 When calculating the level of traffic generated by a petrol filling station with retail element, the TRICS database allows this figure to be calculated either by site area or by the number of refuelling pumps. It is notable that traffic generation cannot be calculated based on the floor area of the accompanying retail element to be input.

3.11 This suggests that this element of the scheme will not be a significant generator of traffic in its own right as the retail extension of the service station is most likely to be used by motorists filling their cars with fuel.

- 3.12** In any event, the reduction in two-way trips following the loss of a single refuelling pump will more than offset any traffic associated solely with accessing the retail extension.
- 3.13** The traffic flows associated with the retail element are therefore included within the flows summarised in Table 3.
- 3.14** The Highway Authority's request for survey from comparable sites is therefore not necessary in this instance nor is it justified with reference to the scale of the proposed development.

Car Parking Provision

- 3.15** The Highway Authority has stated in their response that as the retail extension will not be provided with a drive thru facility, all customers travelling by car will be required to park within the site. To establish the likely demand for car parking, the Highway Authority has requested a car parking accumulation assessment.
- 3.16** Such a survey is unnecessary because the retail extension will continue to be used by motorists filling their cars with fuel. The site provides two car parking spaces plus the spaces at the filling pumps and the two jet wash bays. Motorists using these facilities will also use the retail element. Should the parking bays at the southern end of the site be occupied, any motorist wishing to access the retail element only could simply park adjacent to a refuelling pump. This is no different to the existing situation.

Servicing Strategy

- 3.17** Although there may be a slight increase in service vehicles accessing the site, this is an established site which is already serviced by a range of vehicles including petrol tankers, refuse vehicles and delivery vehicles.
- 3.18** The proposed development will not materially increase the number of service vehicles accessing the site which are accommodated without issue at present.
- 3.19** As occurs at present, service vehicles will access from Oxford Road and exit via Wigmore Lane. If necessary, the forecourt will be closed to allow service vehicles to serve the site.

4. SUMMARY AND CONCLUSIONS

Summary

- 4.1** Bellamy Roberts has been instructed by Motor Fuel Group (MFG) to prepare a Transport Statement in support of a planning application for a new single storey side extension to the existing sales building and the installation of two jet wash bays.
- 4.2** There is no evidence to suggest there is an inherent safety concern within the local highway network that would be exacerbated by the proposed development.
- 4.3** The proposed development will result in a material reduction in the number of two-way traffic movements generated during the peak hour periods and across the day. The proposed retail extension will not be a significant generator of traffic in its own right as this will be most likely used by motorists filling their cars with fuel. For the same reason, no dedicated car parking provision is required for the retail element.
- 4.4** The proposed development will not materially increase the number of service vehicles accessing the site which are accommodated without issue at present.
- 4.5** The consultation comments received from the Highway Authority have been considered and each has been addressed in turn.

Conclusion

- 4.6** The scheme fully complies with the NPPF and should therefore be acceptable in transport and highway terms.

APPENDICES

APPENDIX 1

Highway Authority
Comments

Memo

From: (e)Transport Development Control Floor 1 North Rear Civic Offices Bridge Street Reading RG1 2LU
To: Sian Hickey 0118 9373248 sian.hickey@reading.gov.uk
Date: 24 August 2023
Re: Consultation on Planning Application

Application Number: 231121

Application Type: Full Planning Approval

Address: Norcot Service Station 856 Oxford Road Reading RG30 1EL

Proposal: New Single storey side extension to existing sales building. installation of 2no. Jet Wash Bays and new 2m High bin store

The application description states that the proposal includes a new single storey side extension to existing sales building, installation of 2no. Jet Wash Bays and new 2m High bin store. However, the plans illustrate that the proposed extension will accommodate a new Greggs retail unit operating independently to the service station.

However, very little information has been submitted with the application to provide a full transport response on the proposal. A Transport Statement is required and should set out and assess the transport issues relating to a proposed development site including an assessment of the trip generation, parking provision and servicing strategy. The Transport Statement should be submitted with evidence from comparable sites to establish the net impact of trips generated by the proposed takeaway unit. Junction assessments may need to be undertaken if the development results in a material change in vehicle trips.

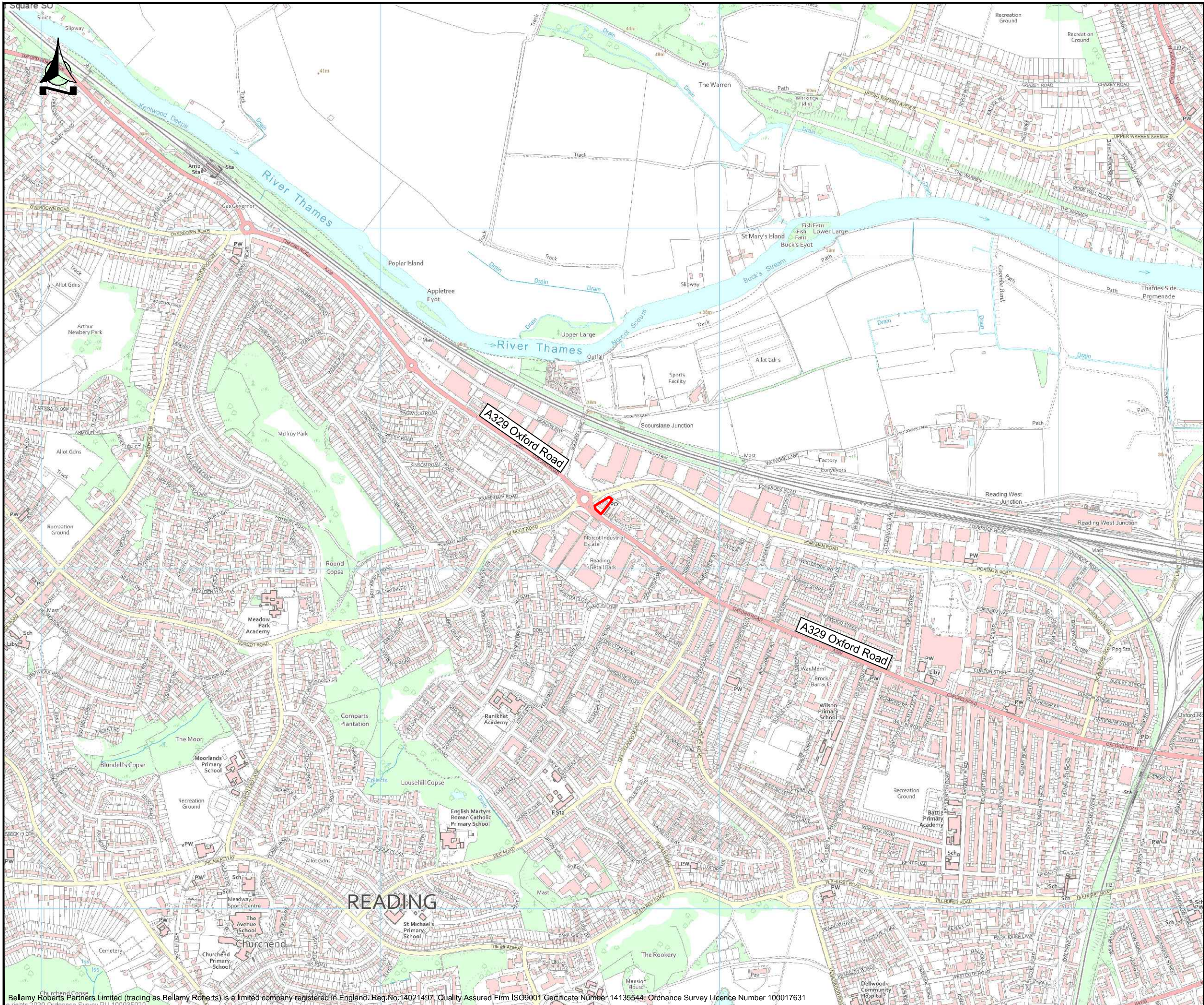
It is the Highway Authority's view that this type of use would attract a mixture of new trips, pass-by trips, diverted trips and linked trips. Therefore, the worst case trip generation and any discount for pass by / diverted trips must be agreed in the first instance and any requirement for junction assessments can be agreed thereafter. Deductions for pass by/diverted/linked trips should be taken from surveys from a similar facility and it should not be based on assumptions.

The site is located within Zone 3, Secondary Core Area, of the Council's adopted Parking Standards and Design SPD. Typically these areas are within 400m of a Reading Buses high frequency 'Premier Route', which provides high quality bus routes to and from Reading town centre and other local centre facilities. The proposed unit will not be provided with a drive thru facility and therefore all customers travelling by car will be required to park within the site. Therefore, the applicant is requested to undertake a car parking accumulation assessment based on survey data to establish the anticipated demand for parking. It is not acceptable to utilise the existing parking provision associated with the service station as the type of use will attract a mixture of trips, not only linked trips with the service station.

Details of the delivery and servicing of the building is required. Given that the internal layout is altered, details regarding the delivery and servicing arrangements for the existing service station should also be outlined. Delivery/loading bays should be identified on the proposed plans to ensure there is sufficient space for operational, servicing and delivery vehicles to manoeuvre within the site. Tracking diagrams should be included within the Transport Statement.

APPENDIX 2

Site Location Plan



Notes

Site



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Tel: 01256 703355
Email: info@bellamyroberts.co.uk

CLIENT

MBH Design Studio Ltd

PROJECT

MFG Norcot

TITLE

Site Location Plan

DRAWN BY

MB

DATE

28/09/23

SCALE

NTS @ A3

DESIGN BY

-

DRAWING No.

5977 / 301

CHK BY

MT

REV No.

APPENDIX 3

Collision Data



crashmap.co.uk

Validated Data

Crash Date: Friday, January 13, 2017

Time of Crash: 4:24:00 PM

Crash Reference: 2017430022671

Highest Injury Severity: Slight

Road Number: A329

Number of Casualties: 1

Highway Authority: Reading

Number of Vehicles: 1

Local Authority: Reading Borough

OS Grid Reference: 468652 174143

Weather Description: Fine without high winds

Road Surface Description: Dry

Speed Limit: 30

Light Conditions: Daylight: regardless of presence of streetlights

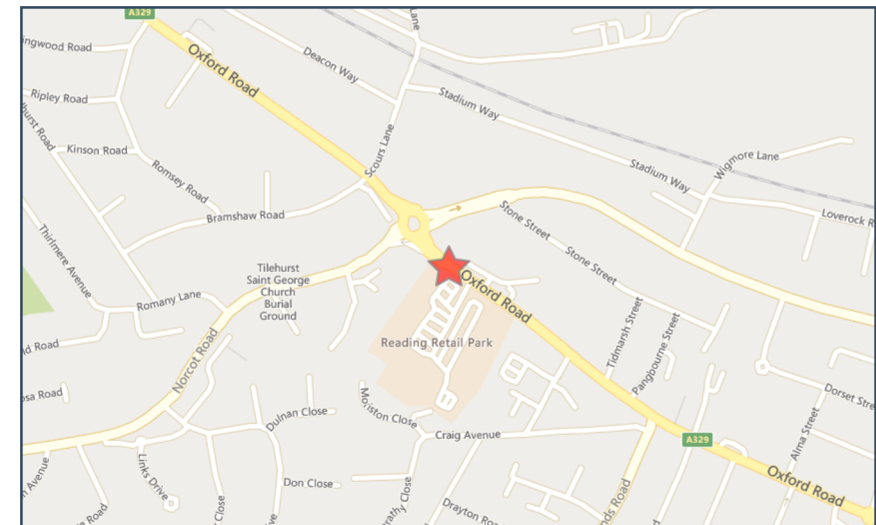
Carriageway Hazards: None

Junction Detail: Not at or within 20 metres of junction

Junction Pedestrian Crossing: Pelican, puffin, toucan or similar non-junction pedestrian light crossing

Road Type: Single carriageway

Junction Control: Not Applicable



For more information about the data please visit: www.crashmap.co.uk/home/Faq

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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	-1	Female	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Front	Journey as part of work	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Pedestrian	Female	11 - 15	In carriageway, crossing on pedestrian crossing facility	Crossing from driver's nearside

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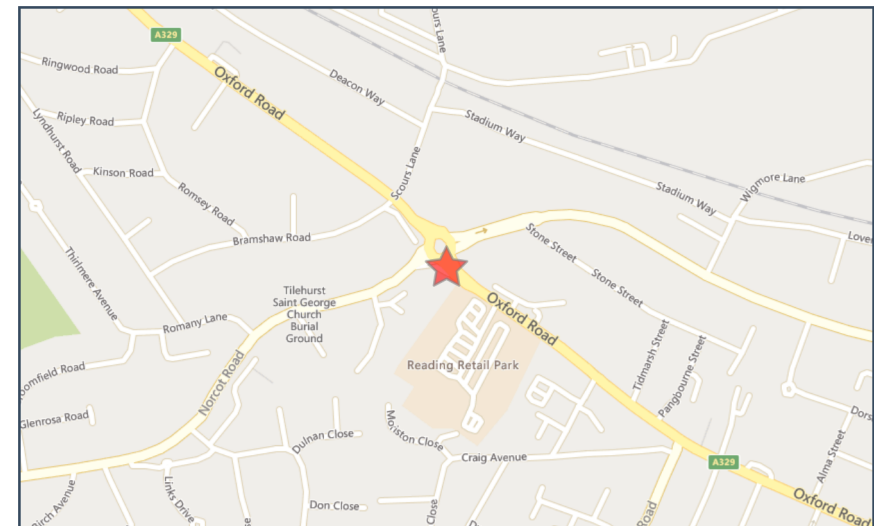


crashmap.co.uk

Validated Data

Crash Date: Tuesday, February 07, 2017 **Time of Crash:** 4:20:00 PM **Crash Reference:** 2017430046802

Highest Injury Severity:	Serious	Road Number:	A329	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	2	OS Grid Reference:	468609 174177
Local Authority:	Reading Borough				
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	30				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Roundabout				
Junction Pedestrian Crossing:	Pelican, puffin, toucan or similar non-junction pedestrian light crossing				
Road Type:	Roundabout				
Junction Control:	Give way or uncontrolled				



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	4	Female	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None
2	Car (excluding private hire)	16	Female	16 - 20	Vehicle is waiting to proceed normally but is held up	Back	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Serious	Driver or rider	Female	16 - 20	Unknown or other	Unknown or other

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Validated Data

Crash Date: Friday, March 17, 2017 **Time of Crash:** 7:30:00 PM **Crash Reference:** 2017430084746

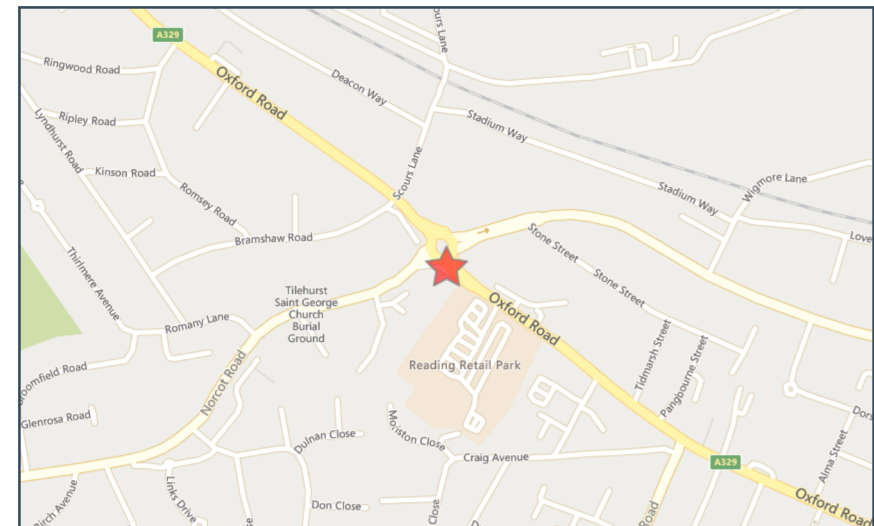
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Dry
Speed Limit: 30
Light Conditions: Darkness: street lights present and lit
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: Pelican, puffin, toucan or similar non-junction pedestrian light crossing
Road Type: Roundabout
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468606 174178



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	-1	Male	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None
2	Car (excluding private hire)	10	Female	46 - 55	Vehicle is waiting to proceed normally but is held up	Back	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Female	46 - 55	Unknown or other	Unknown or other

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Validated Data

Crash Date: Thursday, May 11, 2017 **Time of Crash:** 3:55:00 PM **Crash Reference:** 2017430144497

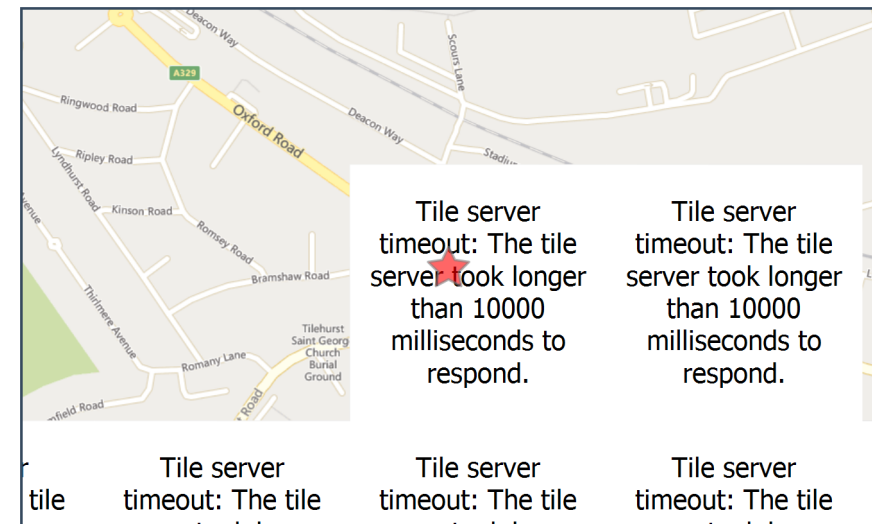
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Dry
Speed Limit: 30
Light Conditions: Daylight: regardless of presence of streetlights
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: Zebra crossing
Road Type: Roundabout
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468583 174231



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	4	Female	26 - 35	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None
2	Pedal cycle	-1	Male	16 - 20	Vehicle proceeding normally along the carriageway, not on a bend	Nearside	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	16 - 20	Unknown or other	Unknown or other

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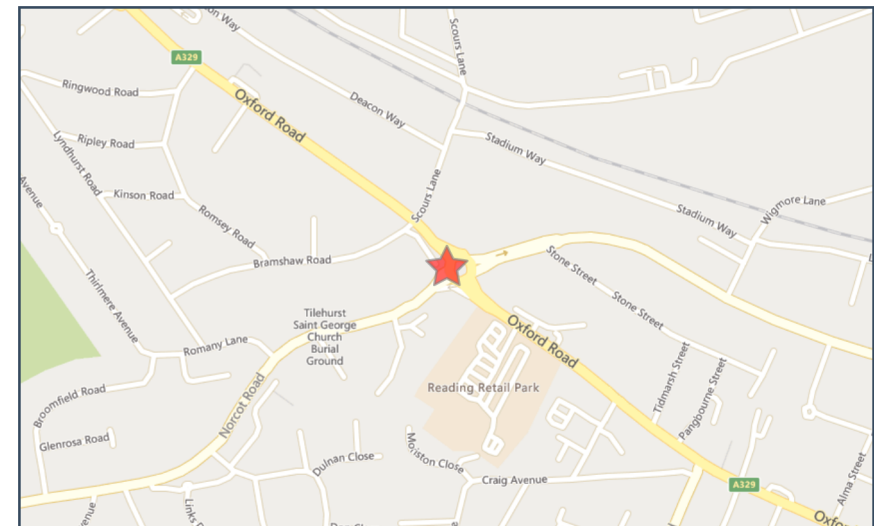


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Validated Data

Crash Date: Sunday, July 09, 2017 **Time of Crash:** 11:30:00 AM **Crash Reference:** 2017430218227

Highest Injury Severity:	Slight	Road Number:	U0	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	2	OS Grid Reference:	468579 174204
Local Authority:	Reading Borough				
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	30				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Roundabout				
Junction Pedestrian Crossing:	No physical crossing facility within 50 metres				
Road Type:	Single carriageway				
Junction Control:	Give way or uncontrolled				



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	13	Male	46 - 55	Vehicle is slowing down or stopping	Front	Unknown	None	None
2	Car (excluding private hire)	13	Female	46 - 55	Vehicle is waiting to turn left	Back	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Female	46 - 55	Unknown or other	Unknown or other

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Validated Data

Crash Date: Friday, October 27, 2017 **Time of Crash:** 10:00:00 PM **Crash Reference:** 2017430337248

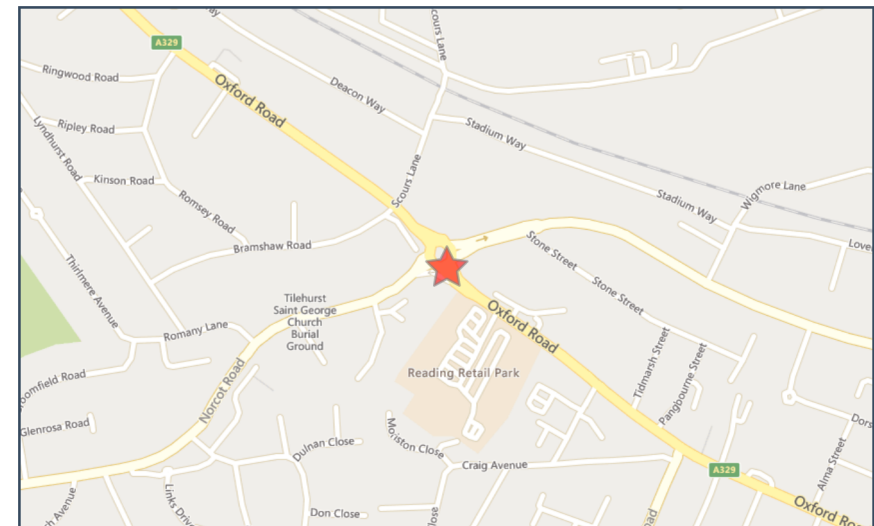
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Dry
Speed Limit: 30
Light Conditions: Darkness: street lights present and lit
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: No physical crossing facility within 50 metres
Road Type: Roundabout
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468609 174181



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	-1	Male	36 - 45	Vehicle is moving off	Front	Unknown	None	None
2	Pedal cycle	-1	Male	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Nearside	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	46 - 55	Unknown or other	Unknown or other

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Validated Data

Crash Date: Tuesday, December 19, 2017 **Time of Crash:** 5:15:00 PM **Crash Reference:** 2017430384347

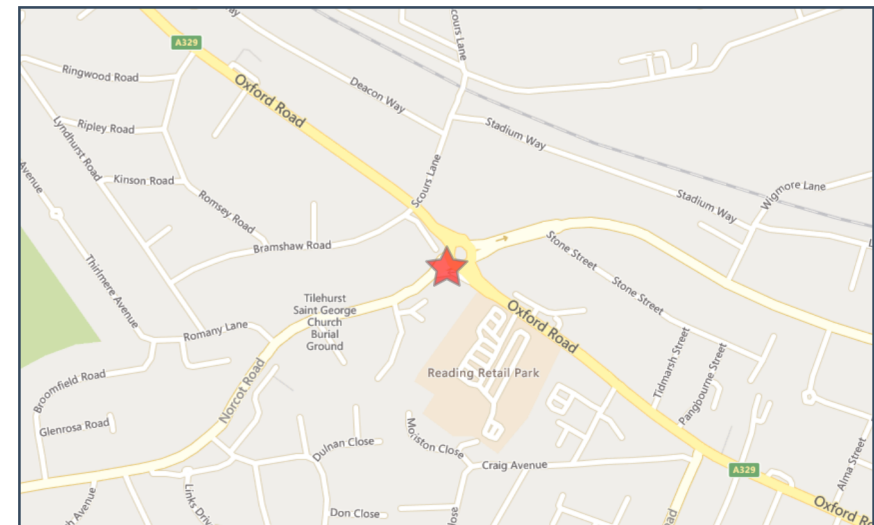
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Dry
Speed Limit: 30
Light Conditions: Darkness: street lights present and lit
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: No physical crossing facility within 50 metres
Road Type: Roundabout
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468580 174187



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	2	Female	56 - 65	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None
2	Car (excluding private hire)	11	Male	36 - 45	Vehicle proceeding normally along the carriageway, not on a bend	Back	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	36 - 45	Unknown or other	Unknown or other

For more information about the data please visit: www.crashmap.co.uk/home/Faq

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Validated Data

Crash Date: Thursday, July 05, 2018

Time of Crash: 2:14:00 PM

Crash Reference: 2018430207596

Highest Injury Severity: Slight

Road Number: A329

Number of Casualties: 1

Highway Authority: Reading

Number of Vehicles: 2

Local Authority: Reading Borough

OS Grid Reference: 468605 174187

Weather Description: Fine without high winds

Road Surface Description: Dry

Speed Limit: 30

Light Conditions: Daylight: regardless of presence of streetlights

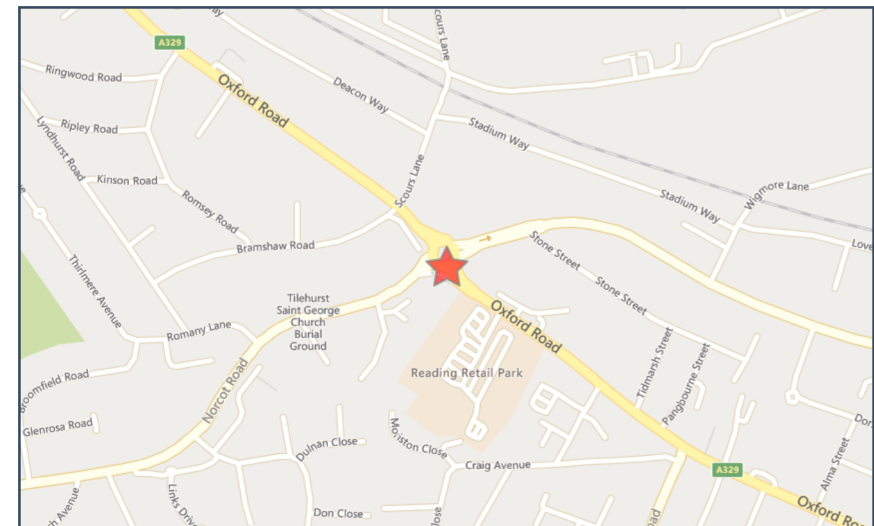
Carriageway Hazards: None

Junction Detail: Roundabout

Junction Pedestrian Crossing: Zebra crossing

Road Type: Single carriageway

Junction Control: Give way or uncontrolled



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Goods vehicle 7.5 tonnes mgw and over		Unknown	36 - 45	Vehicle is in the act of turning right	Nearside	Journey as part of work	None	None
2	Car (excluding private hire)		Female	36 - 45	Vehicle proceeding normally along the carriageway, not on a bend	Offside	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Female	36 - 45	Unknown or other	Unknown or other

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Validated Data

Crash Date: Thursday, October 25, 2018 **Time of Crash:** 6:25:00 AM **Crash Reference:** 2018430330809

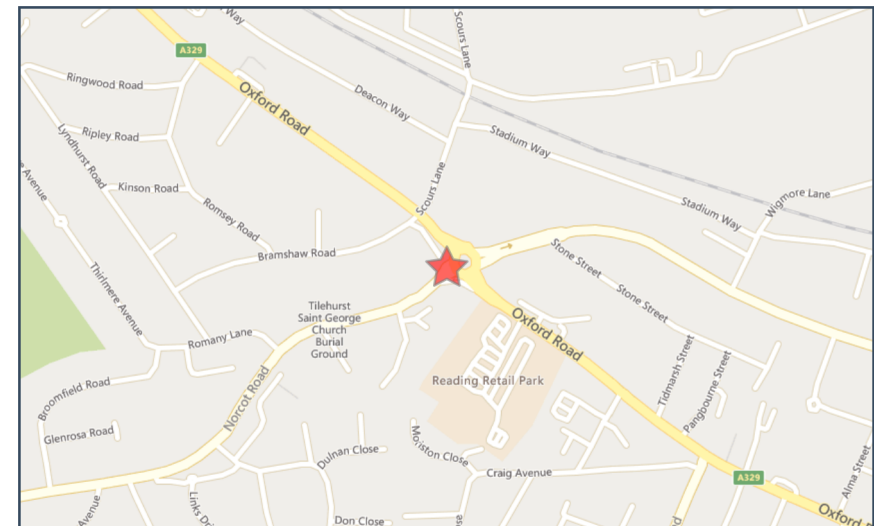
Highest Injury Severity: Serious
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Other
Road Surface Description: Wet or Damp
Speed Limit: 30
Light Conditions: Darkness: street lights present and lit
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: Pelican, puffin, toucan or similar non-junction pedestrian light crossing
Road Type: Single carriageway
Junction Control: Give way or uncontrolled

Road Number: U0

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468572 174198



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	-1	Unknown	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Did not impact	Unknown	None	None
2	Pedal cycle	-1	Male	26 - 35	Vehicle proceeding normally along the carriageway, not on a bend	Did not impact	Commuting to/from work	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Serious	Driver or rider	Male	26 - 35	Unknown or other	Unknown or other

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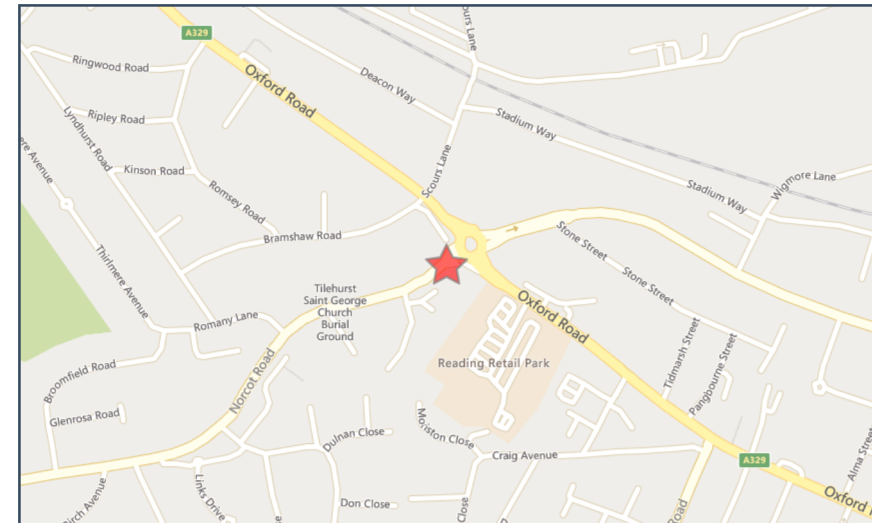


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Validated Data

Crash Date: Thursday, February 07, 2019 **Time of Crash:** 6:50:00 AM **Crash Reference:** 2019430046142

Highest Injury Severity:	Slight	Road Number:	U0	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	2	OS Grid Reference:	468563 174179
Local Authority:	Reading Borough				
Weather Description:	Raining without high winds				
Road Surface Description:	Wet or Damp				
Speed Limit:	30				
Light Conditions:	Darkness: street lights present and lit				
Carriageway Hazards:	None				
Junction Detail:	T or staggered junction				
Junction Pedestrian Crossing:	Zebra crossing				
Road Type:	Single carriageway				
Junction Control:	Give way or uncontrolled				



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	7	Female	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Offside	Commuting to/from work	None	None
2	Car (excluding private hire)	4	Male	Unknown	Vehicle is in the act of turning right	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Female	Unknown	Unknown or other	Unknown or other

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Validated Data

Crash Date: Saturday, January 11, 2020 **Time of Crash:** 12:50:00 PM **Crash Reference:** 2020430016771

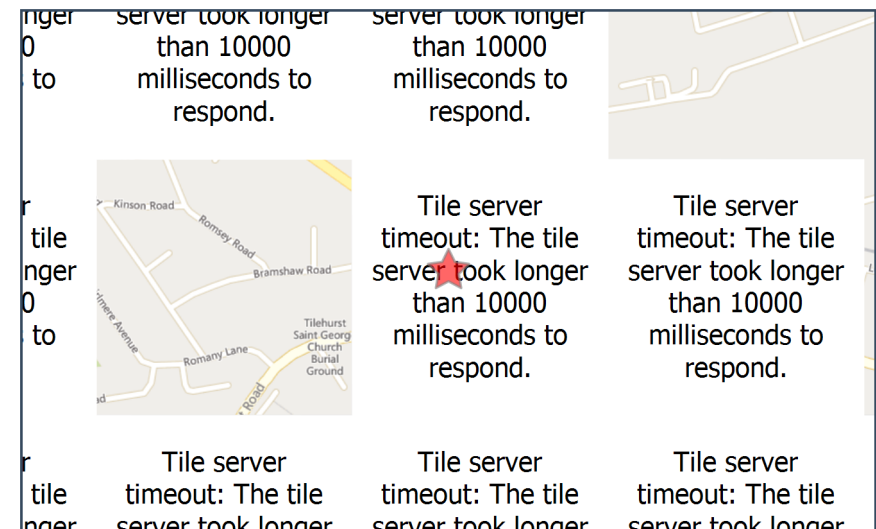
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Dry
Speed Limit: 30
Light Conditions: Daylight: regardless of presence of streetlights
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: Zebra crossing
Road Type: Single carriageway
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 1

OS Grid Reference: 468581 174223



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	15	Male	Over 75	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Pedestrian	Female	36 - 45	In carriageway, crossing on pedestrian crossing facility	Crossing from driver's offside

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Validated Data

Crash Date: Friday, January 17, 2020

Time of Crash: 5:40:00 PM

Crash Reference: 2020430026507

Highest Injury Severity: Slight

Road Number: U0

Number of Casualties: 1

Highway Authority: Reading

Number of Vehicles: 1

Local Authority: Reading Borough

OS Grid Reference: 468554 174166

Weather Description: Fine without high winds

Road Surface Description: Dry

Speed Limit: 30

Light Conditions: Darkness: street lights present and lit

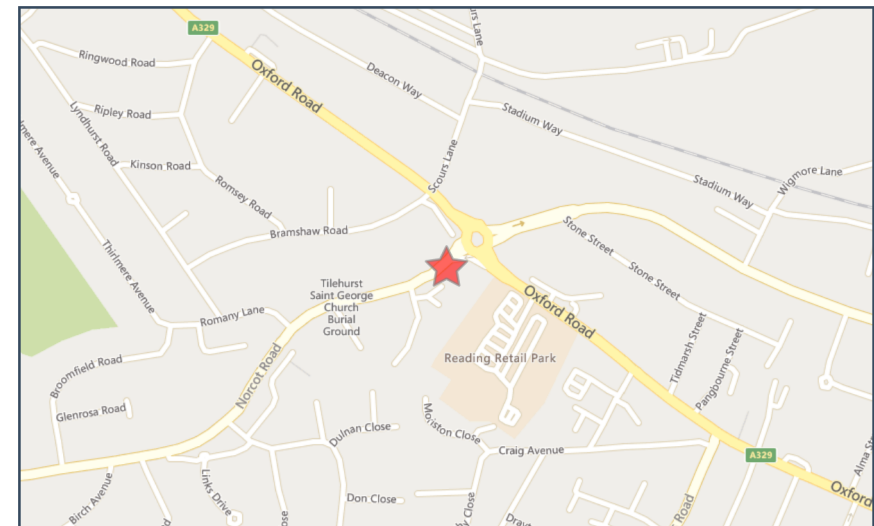
Carriageway Hazards: None

Junction Detail: Not at or within 20 metres of junction

Junction Pedestrian Crossing: Zebra crossing

Road Type: Single carriageway

Junction Control: Not Applicable



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	-1	Female	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Pedestrian	Male	11 - 15	In carriageway, crossing on pedestrian crossing facility	Crossing from driver's offside

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Validated Data

Crash Date: Friday, January 31, 2020 **Time of Crash:** 8:47:00 PM **Crash Reference:** 2020430041794

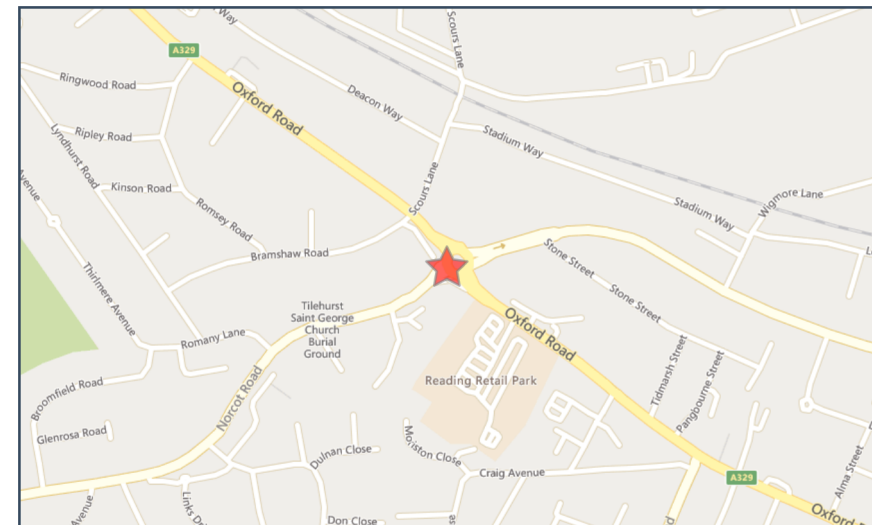
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Wet or Damp
Speed Limit: 30
Light Conditions: Darkness: street lights present and lit
Carriageway Hazards: None
Junction Detail: Roundabout
Junction Pedestrian Crossing: No physical crossing facility within 50 metres
Road Type: Roundabout
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468582 174202



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Pedal cycle	-1	Male	36 - 45	Vehicle proceeding normally along the carriageway, not on a bend	Nearside	Commuting to/from work	None	None
2	Car (excluding private hire)	-1	Male	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Male	36 - 45	Unknown or other	Unknown or other

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Validated Data

Crash Date: Thursday, February 06, 2020 **Time of Crash:** 6:00:00 PM **Crash Reference:** 2020430042977

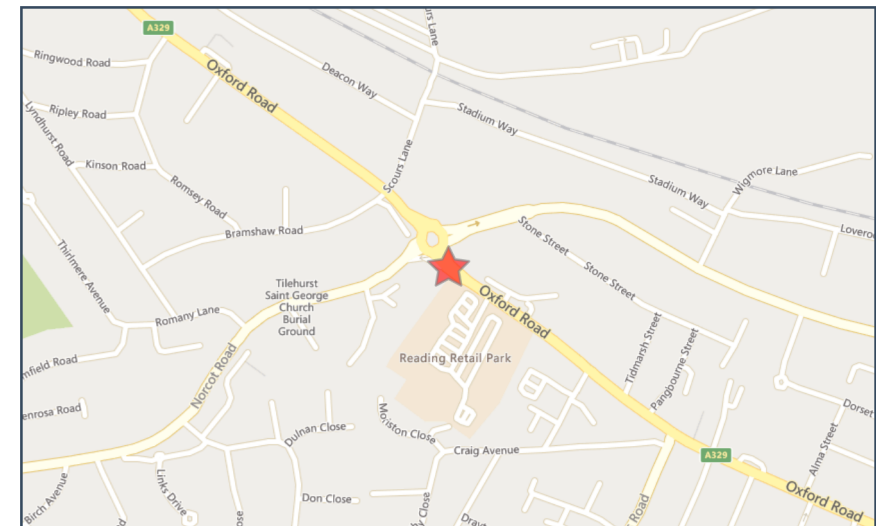
Highest Injury Severity: Slight
Highway Authority: Reading
Local Authority: Reading Borough
Weather Description: Fine without high winds
Road Surface Description: Dry
Speed Limit: 30
Light Conditions: Darkness: street lights present and lit
Carriageway Hazards: None
Junction Detail: Using private drive or entrance
Junction Pedestrian Crossing: Pelican, puffin, toucan or similar non-junction pedestrian light crossing
Road Type: Single carriageway
Junction Control: Give way or uncontrolled

Road Number: A329

Number of Casualties: 1

Number of Vehicles: 2

OS Grid Reference: 468624 174163



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Motorcycle over 50cc and up to 125cc	-1	Male	21 - 25	Vehicle is passing another vehicle (moving or stationary) on its nearside	Front	Unknown	None	None
2	Car (excluding private hire)	10	Male	26 - 35	Vehicle is in the act of turning right	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Male	21 - 25	Unknown or other	Unknown or other

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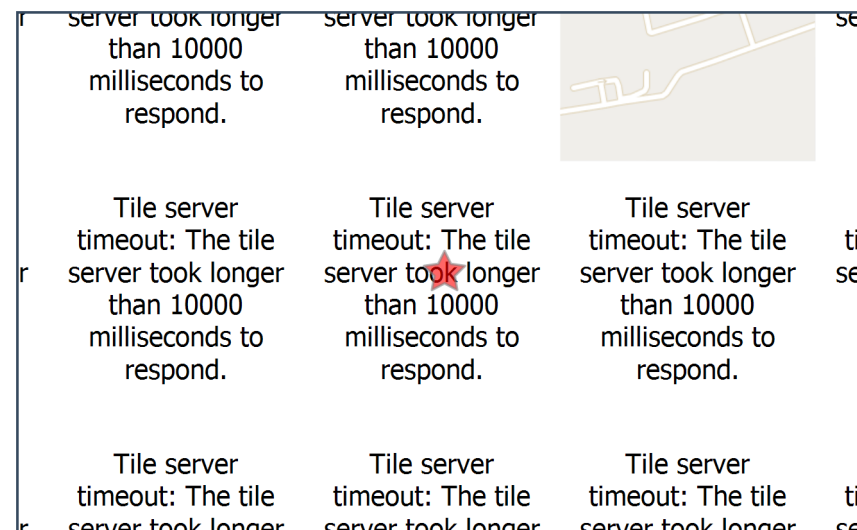
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Validated Data

Crash Date: Monday, January 04, 2021 **Time of Crash:** 5:38:00 PM **Crash Reference:** 2021430003958

Highest Injury Severity:	Slight	Road Number:	U0	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	1	OS Grid Reference:	468647 174222
Local Authority:	Reading Borough				
Weather Description:	Fine without high winds				
Road Surface Description:	Wet or Damp				
Speed Limit:	30				
Light Conditions:	Darkness: street lights present and lit				
Carriageway Hazards:	None				
Junction Detail:	Not at or within 20 metres of junction				
Junction Pedestrian Crossing:	Zebra crossing				
Road Type:	Single carriageway				
Junction Control:	Not Applicable				



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	20	Male	36 - 45	Vehicle proceeding normally along the carriageway, not on a bend	Front	Commuting to/from work	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Pedestrian	Male	26 - 35	In carriageway, crossing on pedestrian crossing facility	Crossing from driver's nearside

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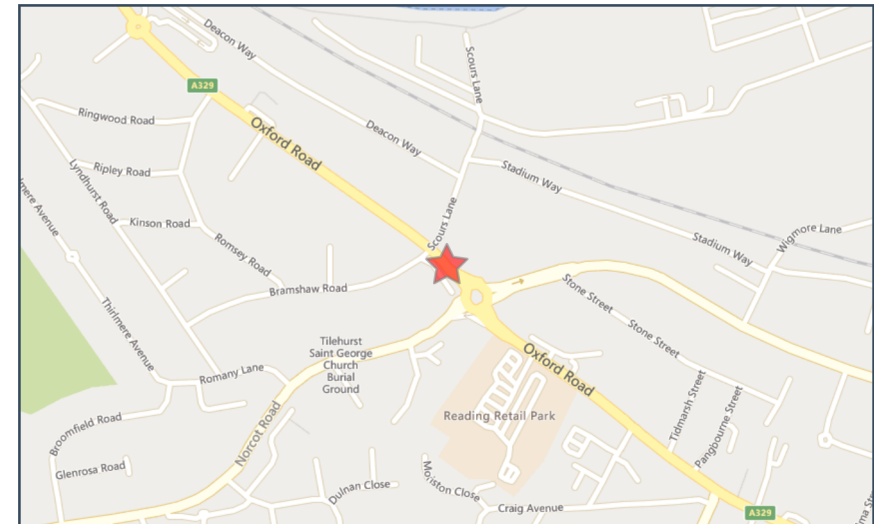


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Validated Data

Crash Date: Sunday, February 07, 2021 **Time of Crash:** 12:20:00 PM **Crash Reference:** 2021430053398

Highest Injury Severity:	Slight	Road Number:	A329	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	2	OS Grid Reference:	468555 174250
Local Authority:	Reading Borough				
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	30				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Not at or within 20 metres of junction				
Junction Pedestrian Crossing:	Zebra crossing				
Road Type:	Single carriageway				
Junction Control:	Not Applicable				



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	14	Female	46 - 55	Vehicle is waiting to proceed normally but is held up	Back	Unknown	None	Road sign/Traffic signal
2	Car (excluding private hire)	7	Unknown	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Female	46 - 55	Unknown or other	Unknown or other

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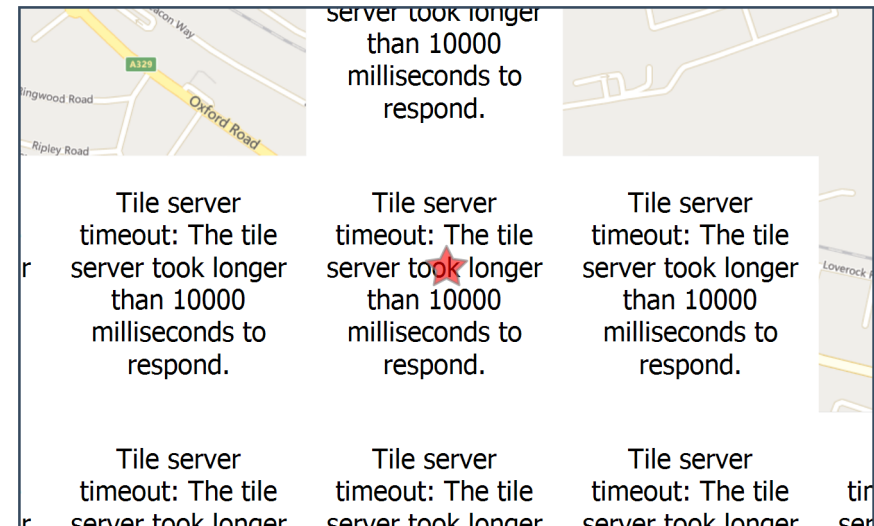


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Validated Data

Crash Date: Tuesday, March 16, 2021 **Time of Crash:** 4:50:00 AM **Crash Reference:** 2021430111112

Highest Injury Severity:	Slight	Road Number:	A329	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	2	OS Grid Reference:	468646 174223
Local Authority:	Reading Borough				
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	30				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Roundabout				
Junction Pedestrian Crossing:	Zebra crossing				
Road Type:	Single carriageway				
Junction Control:	Give way or uncontrolled				



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Pedal cycle	-1	Female	26 - 35	Vehicle proceeding normally along the carriageway, not on a bend	Nearside	Unknown	None	None
2	Car (excluding private hire)	-1	Male	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Female	26 - 35	Unknown or other	Unknown or other

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Validated Data

Crash Date: Thursday, May 13, 2021 **Time of Crash:** 1:00:00 PM **Crash Reference:** 2021430209325

Highest Injury Severity:	Slight	Road Number:	U0	Number of Casualties:	1
Highway Authority:	Reading			Number of Vehicles:	2
Local Authority:	Reading Borough			OS Grid Reference:	468651 174216
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	30				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Not at or within 20 metres of junction				
Junction Pedestrian Crossing:	Zebra crossing				
Road Type:	Single carriageway				
Junction Control:	Not Applicable				

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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	11	Female	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Front	Commuting to/from work	None	None
2	Pedal cycle	-1	Male	16 - 20	Vehicle proceeding normally along the carriageway, not on a bend	Offside	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	16 - 20	Unknown or other	Unknown or other

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Validated Data

Crash Date: Saturday, June 12, 2021

Time of Crash: 8:08:00 AM

Crash Reference: 2021430256813

Highest Injury Severity: Slight

Road Number: A329

Number of Casualties: 1

Highway Authority: Reading

Number of Vehicles: 2

Local Authority: Reading Borough

OS Grid Reference: 468623 174198

Weather Description: Fine without high winds

Road Surface Description: Dry

Speed Limit: 30

Light Conditions: Daylight: regardless of presence of streetlights

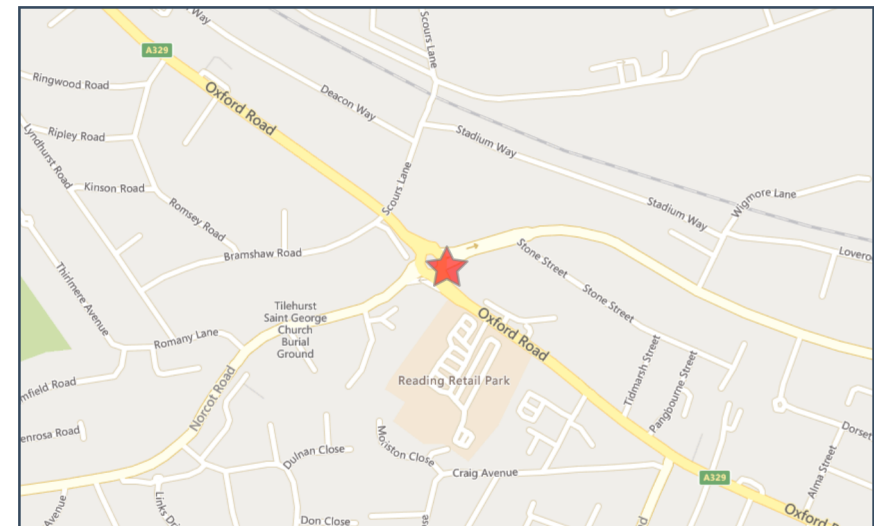
Carriageway Hazards: None

Junction Detail: Roundabout

Junction Pedestrian Crossing: No physical crossing facility within 50 metres

Road Type: Roundabout

Junction Control: Give way or uncontrolled



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Maneuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Van or goods vehicle 3.5 tonnes mgw and under	2	Male	56 - 65	Vehicle proceeding normally along the carriageway, not on a bend	Front	Journey as part of work	None	None
2	Pedal cycle	-1	Male	56 - 65	Vehicle proceeding normally along the carriageway, not on a bend	Nearside	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
2	1	Slight	Driver or rider	Male	56 - 65	Unknown or other	Unknown or other

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Validated Data

Crash Date: Wednesday, July 07, 2021

Time of Crash: 5:20:00 PM

Crash Reference: 2021430300923

Highest Injury Severity: Slight

Road Number: A321

Number of Casualties: 1

Highway Authority: Reading

Number of Vehicles: 2

Local Authority: Reading Borough

OS Grid Reference: 468609 174180

Weather Description: Fine without high winds

Road Surface Description: Dry

Speed Limit: 30

Light Conditions: Daylight: regardless of presence of streetlights

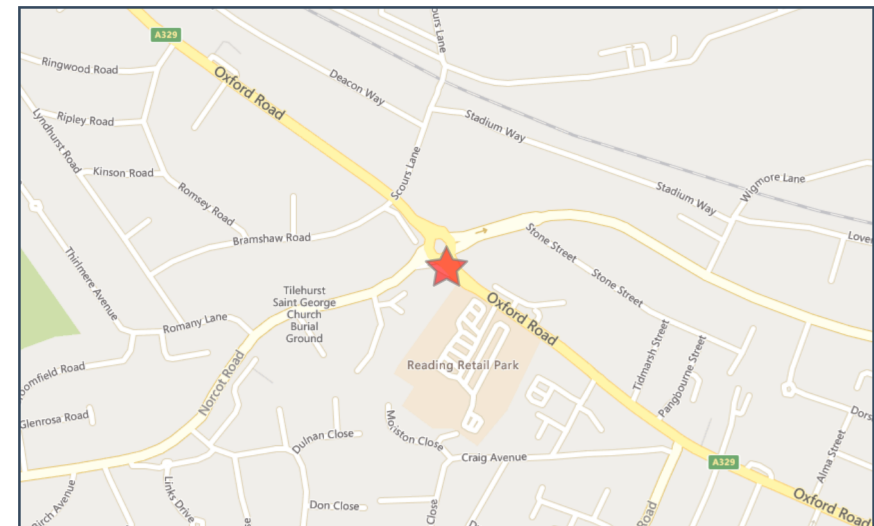
Carriageway Hazards: None

Junction Detail: Roundabout

Junction Pedestrian Crossing: Pelican, puffin, toucan or similar non-junction pedestrian light crossing

Road Type: Single carriageway

Junction Control: Give way or uncontrolled



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Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	15	Male	26 - 35	Vehicle is waiting to proceed normally but is held up	Back	Unknown	None	None
2	Car (excluding private hire)	10	Male	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Male	26 - 35	Unknown or other	Unknown or other

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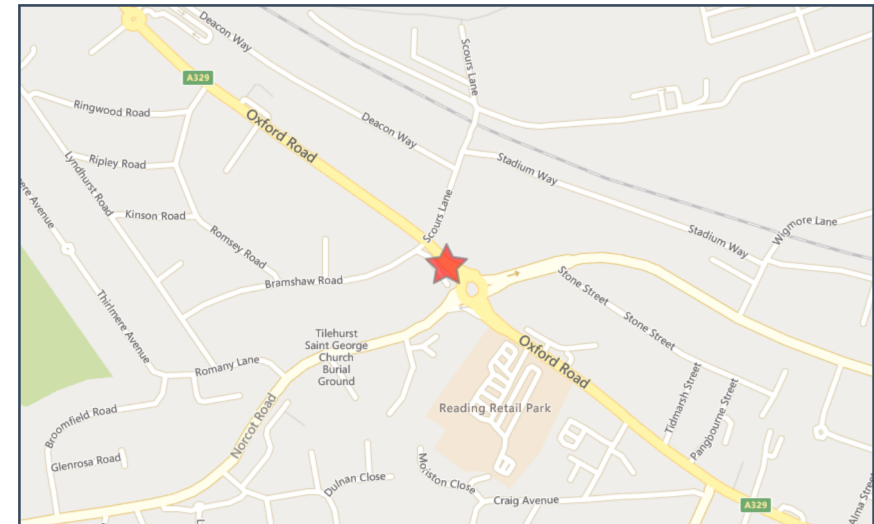


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Validated Data

Crash Date: Sunday, September 19, 2021 **Time of Crash:** 1:15:00 PM **Crash Reference:** 2021430422423

Highest Injury Severity:	Slight	Road Number:	A329	Number of Casualties:	1
Highway Authority:	Reading	Number of Vehicles:	2	OS Grid Reference:	468561 174242
Local Authority:	Reading Borough				
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	30				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Not at or within 20 metres of junction				
Junction Pedestrian Crossing:	No physical crossing facility within 50 metres				
Road Type:	Single carriageway				
Junction Control:	Not Applicable				



For more information about the data please visit: www.crashmap.co.uk/home/Faq
To subscribe to unlimited reports using CrashMap Pro visit www.crashmap.co.uk/Home/Premium_Services



Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Pedal cycle	-1	Male	46 - 55	Vehicle proceeding normally along the carriageway, not on a bend	Back	Unknown	None	None
2	Car (excluding private hire)	0	Unknown	Unknown	Vehicle proceeding normally along the carriageway, not on a bend	Front	Unknown	None	None

Casualties

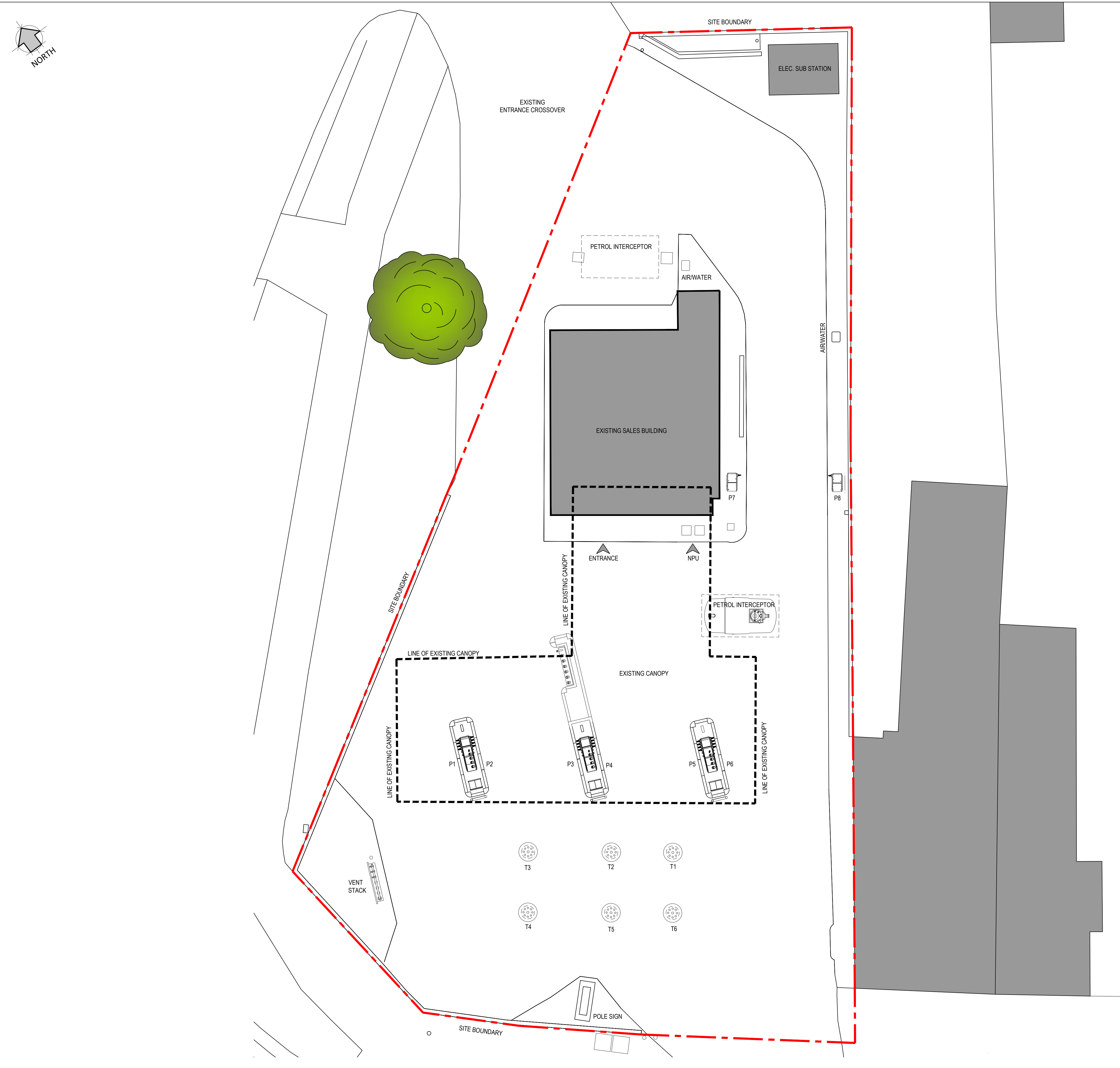
Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Slight	Driver or rider	Male	46 - 55	Unknown or other	Unknown or other

For more information about the data please visit: www.crashmap.co.uk/home/Faq

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APPENDIX 4

Existing Site Plan



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This drawing has been produced for the project listed below, is submitted in support of this application application to the Local Planning Authority and is not intended for use by any other person or for any other purpose.

Every effort has been made to ensure the accuracy of these drawings, however MBH Design Studio Ltd. accept no responsibility for any discrepancies arising from the reuse of survey infoNation and preliminary drawings commissioned by the Applicant from others.

1. THIS DRAWING HAS BEEN PREPARED FOR THE SOLE PURPOSE OF OBTAINING PLANNING PERMISSION.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS
NUMBERED:

- | | |
|-----------|---|
| 14156-LP | LOCATION PLAN |
| 14156-BP | BLOCK PLAN |
| 14156-201 | EXISTING SITE PLAN |
| 14156-202 | PROPOSED SITE PLAN |
| 14156-203 | EXISTING AND PROPOSED SALES BUILDING LAYOUT |
| 14156-204 | EXISTING SALES BUILDING ELEVATIONS |
| 14156-205 | PROPOSED SALES BUILDING ELEVATIONS |

3. ANY ADVERTISEMENTS ARE INDICATIVE AND ARE SUBJECT TO A SEPARATE ADVERTISEMENT APPLICATION

4. ANY NEIGHBOURING BUILDINGS SHOWN ON THE ELEVATIONS ARE DIAGRAMMATIC AND HAVE BEEN EXTRAPOLATED FROM SITE PHOTOGRAPHS. THEY HAVE NOT BEEN MEASURED.

BUILDING EXTERNAL WALLS

Masonry Brick.

Peak Roof.

SHOPFRONT

Grey aluminum framed glazing with door

Traditional steel framed canopy over forecourt with oil company signage fascias.

Mixture of concrete and Asphalt, Block paving with various drainage channels / gullies.

REV	DATE	DESCRIPTION	DRAWN/CHECKED
REVISION NOTES			
PLANNING  MBH Design Studio Ltd. Rosemount House, Rosemount Avenue, West Byfleet, Surrey, KT14 6LB www.mbhLtd.com t: 01932 352 727 f: 01932 351 545			
CLIENT 			
PROJECT NORCOT SERVICE STATION, 856 OXFORD ROAD READING, BERKSHIRE RG30 1EL			
DRAWING TITLE EXISTING SITE PLAN			
DRAWN BY	DATE	SCALE	PAPER SIZE
LB	24.07.2023	1:100	A1
CHECKED BY	DRAWING NUMBER	REV.	
JN	14156-201		

APPENDIX 5

TRICS Output

Calculation Reference: AUDIT-200601-231003-1032

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 13 - PETROL FILLING STATIONS
Category : B - PFS - WITH RETAIL
TOTAL VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	BR BRISTOL CITY	1 days
	TB TORBAY	1 days
05	EAST MIDLANDS	
	DY DERBY	1 days
	LE LEICESTERSHIRE	1 days
	LN LINCOLNSHIRE	1 days
	NN NORTH NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
	WO WORCESTERSHIRE	2 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	2 days
08	NORTH WEST	
	GM GREATER MANCHESTER	2 days
	LC LANCASHIRE	1 days
09	NORTH	
	TW TYNE & WEAR	2 days
10	WALES	
	NP NEATH & PORT TALBOT	1 days
	NW NEWPORT	1 days

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

BELLAMY ROBERTS WESTERN LANE ODIHAM

Licence No: 200601

Primary Filtering selection:

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

Parameter: Filling bays
Actual Range: 6 to 12 (units:)
Range Selected by User: 4 to 12 (units:)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 19/10/22

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

Selected survey days:

Monday	2 days
Tuesday	3 days
Wednesday	7 days
Thursday	1 days
Friday	5 days

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

Selected survey types:

Manual count	18 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town Centre	5
Suburban Area (PPS6 Out of Centre)	8
Edge of Town	5

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	1
Residential Zone	11
Retail Zone	1
Built-Up Zone	1
No Sub Category	4

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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	3 days - Selected
Servicing vehicles Excluded	15 days - Selected

Secondary Filtering selection:

Use Class:

Sui Generis	18 days
-------------	---------

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

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

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

Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	9 days
1.1 to 1.5	7 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	18 days
----	---------

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

PTAL Rating:

No PTAL Present	18 days
-----------------	---------

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

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
-----------------------	-----	--

LIST OF SITES relevant to selection parameters

1	BR-13-B-02 EASTGATE ROAD BRISTOL	TESCO EXTRA PFS	BRISTOL CITY
	Suburban Area (PPS6 Out of Centre) Retail Zone Total Filling bays: 12 Survey date: TUESDAY 09/11/21		Survey Type: MANUAL
2	DY-13-B-01 NOTTINGHAM ROAD DERBY	ESSO & TESCO EXPRESS	DERBY
	CHADDESSEN Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 8 Survey date: FRIDAY 26/06/15		Survey Type: MANUAL
3	GM-13-B-01 NEW STREET ROCHDALE MILNROW	BP & SPAR	GREATER MANCHESTER
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: WEDNESDAY 21/10/15		Survey Type: MANUAL
4	GM-13-B-02 STOCKPORT ROAD MANCHESTER BURNAGE	SHELL & LONDIS	GREATER MANCHESTER
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: THURSDAY 06/05/21		Survey Type: MANUAL
5	LC-13-B-03 GARSTANG ROAD PRESTON FULWOOD	TEXACO & MORRISONS DAILY	LANCASHIRE
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 8 Survey date: TUESDAY 06/11/18		Survey Type: MANUAL
6	LE-13-B-03 COVENTRY ROAD MARKET HARBOROUGH	CO-OP PFS	LEICESTERSHIRE
	Edge of Town Centre No Sub Category Total Filling bays: 6 Survey date: WEDNESDAY 20/10/21		Survey Type: MANUAL
7	LN-13-B-01 CARHOLME ROAD LINCOLN	GULF & CO-OP	LINCOLNSHIRE
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: WEDNESDAY 04/10/17		Survey Type: MANUAL
8	NN-13-B-01 WELLINGBOROUGH ROAD RUSHDEN	TEXACO & LONDIS	NORTH NORTHAMPTONSHIRE
	Edge of Town Centre Residential Zone Total Filling bays: 8 Survey date: FRIDAY 23/10/20		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	NP-13-B-01 NEATH ROAD GLYNNEATH	ESSO & TESCO EXPRESS	NEATH & PORT TALBOT
	Edge of Town Residential Zone Total Filling bays: 6 Survey date: WEDNESDAY 19/10/22		Survey Type: MANUAL
10	NW-13-B-02 CHEPSTOW ROAD NEWPORT	ESSO & TESCO EXPRESS	NEWPORT
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: WEDNESDAY 12/10/22		Survey Type: MANUAL
11	NY-13-B-03 WETHERBY ROAD NORTH KNARESBOROUGH	ESSO & CO-OP	NORTH YORKSHIRE
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Filling bays: 8 Survey date: FRIDAY 30/09/16		Survey Type: MANUAL
12	NY-13-B-04 VICTORIA ROAD RICHMOND	HARVEST ENERGY & NISA	NORTH YORKSHIRE
	Edge of Town Centre No Sub Category Total Filling bays: 8 Survey date: WEDNESDAY 13/03/19		Survey Type: MANUAL
13	ST-13-B-01 FOREGATE STREET STAFFORD	BP & HURSTS	STAFFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Filling bays: 10 Survey date: WEDNESDAY 22/11/17		Survey Type: MANUAL
14	TB-13-B-01 TORBAY ROAD PAIGNTON	BP & COSTCUTTER	TORBAY
	Edge of Town Residential Zone Total Filling bays: 8 Survey date: TUESDAY 18/07/17		Survey Type: MANUAL
15	TW-13-B-05 THE BROADWAY SUNDERLAND	SHELL & SPAR	TYNE & WEAR
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Filling bays: 6 Survey date: FRIDAY 24/05/19		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

16	TW-13-B-06	ESSO & TESCO EXPRESS	TYNE & WEAR
	BEACH ROAD		
	NORTH SHIELDS		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Filling bays:	8	
	Survey date: MONDAY	16/05/22	Survey Type: MANUAL
17	WO-13-B-02	MORRISONS PFS	WORCESTERSHIRE
	CLEARWELL ROAD		
	REDDITCH		
	WINYATES WEST		
	Suburban Area (PPS6 Out of Centre)		
	No Sub Category		
	Total Filling bays:	12	
	Survey date: MONDAY	05/10/20	Survey Type: MANUAL
18	WO-13-B-03	TEXACO & LONDIS	WORCESTERSHIRE
	WORCESTER ROAD		
	MALVERN		
	Edge of Town Centre		
	No Sub Category		
	Total Filling bays:	8	
	Survey date: FRIDAY	12/11/21	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 13 - PETROL FILLING STATIONS/B - PFS - WITH RETAIL
 TOTAL VEHICLES
 Calculation factor: 1 BAYS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. BAYS	Trip Rate	No. Days	Ave. BAYS	Trip Rate	No. Days	Ave. BAYS	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	1	6	0.333	1	6	0.000	1	6	0.333
06:00 - 07:00	18	8	5.103	18	8	4.747	18	8	9.850
07:00 - 08:00	18	8	7.740	18	8	7.582	18	8	15.322
08:00 - 09:00	18	8	7.486	18	8	7.130	18	8	14.616
09:00 - 10:00	18	8	7.568	18	8	7.493	18	8	15.061
10:00 - 11:00	18	8	7.021	18	8	7.144	18	8	14.165
11:00 - 12:00	18	8	7.199	18	8	7.199	18	8	14.398
12:00 - 13:00	18	8	8.103	18	8	8.205	18	8	16.308
13:00 - 14:00	18	8	8.240	18	8	8.205	18	8	16.445
14:00 - 15:00	18	8	7.774	18	8	7.637	18	8	15.411
15:00 - 16:00	18	8	8.315	18	8	8.445	18	8	16.760
16:00 - 17:00	18	8	8.301	18	8	8.370	18	8	16.671
17:00 - 18:00	18	8	8.473	18	8	8.555	18	8	17.028
18:00 - 19:00	18	8	7.842	18	8	8.048	18	8	15.890
19:00 - 20:00	18	8	6.712	18	8	6.740	18	8	13.452
20:00 - 21:00	18	8	4.747	18	8	4.788	18	8	9.535
21:00 - 22:00	18	8	3.384	18	8	3.479	18	8	6.863
22:00 - 23:00	5	9	0.761	5	9	0.935	5	9	1.696
23:00 - 24:00	2	10	0.450	2	10	0.650	2	10	1.100
Total Rates:			115.552			115.352			230.904

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.

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Parameter summary

Trip rate parameter range selected:
 Survey date date range:
 Number of weekdays (Monday-Friday):
 Number of Saturdays:
 Number of Sundays:
 Surveys automatically removed from selection:
 Surveys manually removed from selection:

6 - 12 (units:)
 01/01/15 - 19/10/22
 18
 0
 0
 0
 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.



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