

# **AXIS J9 PHASE 3 TECHNICAL NOTE**

Response to OCC Highways Consultation Response

*(Application No. 21/03177/F) Under Cover  
Dated 7/12/21*

## Drawings

**DTA Drawing 14042-65** Proposed Signalised Pedestrian Crossing on Howes Lane

## Figures

- Figure 1** Great Wolf (Committed Development) Traffic – AM Peak
- Figure 2** Great Wolf (Committed Development) Traffic – PM Peak
- Figure 3** Pre-SLR Split Land Use Class Site Traffic Generation (AM Peak)
- Figure 4** Pre-SLR Split Land Use Class Site Traffic Generation (PM Peak)

## Appendices

- Appendix A** OCC Consultation Response dated 7/12/21
- Appendix B** Updated Site Masterplan (Cornish Architects Drawing TP\_002L)
- Appendix C** Approved Appeal DTA Drawing 14042-25-2
- Appendix D** Classified Turning Count Surveys
- Appendix E** JUNCTIONS model output

### **Introduction**

1. The OCC response includes separately attributed responses titled "Strategic"; "Transport Development Control (TDC)"; "Lead Local Flood Authority"; and "Local Member Views". A copy of the OCC response is included as **Appendix A**.
2. This Note does not respond to the flooding comments and the response to the TDC comments cover points raised by the local member views.
3. The brief Strategic comments are repeated within the TDC response and so are dealt with in combination below.

### **Strategic Link Road Context**

4. The application Transport Assessment Report (TAR), **DTA Report 14042-39A** focussed on the compatibility of the transport elements of the proposal aligning with the NWB Strategic Link Road (SLR) delivery reflecting the assurances from OCC and their advisors during pre-application discussions that the SLR would be built and open to traffic during 2024. The development proposals reflected close working liaison between applicant, OCC TDC and the SLR delivery team such that the Phase 3 access proposals were all compatible with the SLR design and the resulting post-SLR impact appraisal was largely understood by all parties in advance of submission (subject to detailed junction capacity assessment runs).
5. With the development proposals capable of implementation in advance of the committed SLR timetable, a pre-SLR access strategy was also presented and termed "Interim". In access design terms the "Interim" proposals were entirely compliant with relevant design standards.
6. In terms of off-site traffic impact, the "Interim" situation was justified based on the long established 2014 Memo agreed between NWB developers and OCC which identified a level of NWB development which could come forward in advance of the SLR completion. The application TAR (paras 6.2.6 – 6.2.16) sets out justification for the development proposals to come forward in that context.

7. Whilst the Memo was 7 years old (December 2014) it remained the tool the authorities depended upon in terms of NWB development thresholds on the pre-SLR network.
8. The OCC consultation response identifies that there is now uncertainty regarding SLR deliverability and programme. This uncertainty has evidently arisen from the re-allocation of Growth Fund monies by OCC away from the SLR to locations elsewhere in the County.
9. This is indeed unfortunate. Nevertheless, the TAR had covered the pre-SLR situation with its "Interim" proposals. The "Interim" vehicular access design proposals remain appropriate, irrespective of the period to which its' operation may apply.
10. It is not clear why the findings of the 2014 Memo were deemed appropriate in October 2021, but not so by December 2021. The OCC response makes reference to  
*"The assessment . . . is now over six years old and was based on a traffic model that did not include development at Heyford. As such it is no longer considered by OCC to be a reliable method of establishing the upper limits of capacity at the critical junction [Howes Lane/Bucknell Road], being likely to under-estimate these limits."*
11. Whilst it is acknowledged that within traffic models, site traffic can lead to re-assignment of existing traffic, Heyford Park destination trips do not directly have meaningful cause to route via Howes Lane except to access the north-eastern corner of Bicester.
12. Against the above context, an alternative approach is presented below within this topic-based response following the ordered headings within the OCC response.

### **Access Arrangements**

13. Consistent with the application submission, access arrangements relevant to pre-SLR completion and post-SLR completion outcomes remain appropriate. Given the recent lack of clarity over SLR programme, the pre-SLR arrangement (i.e. the Interim) is liable to be in place for a longer period of time and indeed it has to be assumed that it could even become a permanent arrangement. The OCC response sets out detailed queries

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which are dealt with below and has led to a refined design proposal. Of these, only item v) below is provided in response to the length of the Interim period.

- i) The footway/cycleway on the western side of the future SLR has been amended to provide a segregated 2.5m cycleway and 2m footway (instead of shared facility). With the planned SLR speed limit of 30mph, a verge is not required.
- ii) Consideration of the ability to provide refuges within the site access junctions was given during pre-application discussions with OCC and their advisors. It was demonstrated during pre-app to be impractical due to the swept path tracking of larger commercial/refuse vehicles. OCC and their advisors acknowledged and accepted this during pre-app discussions.
- iii) The northern side of the east-west connecting road, to the west of the SLR which forms the access route post SLR for Axis J9 Phase 1 and 2 Units 8-14, and a planned NWB bus link has been amended to provide a segregated 2.5m cycleway and 2m footway.
- iv) OCC refer to the protected route for pedestrian-cycle link to Howes Lane in the vicinity of the junction to the south of the Phase 3 site. The safeguarding of land was requested by OCC and agreed with them pre-application. It was agreed at the time that as the link would only be implemented post SLR it would be for OCC to deliver once the adjacent junction details were finalised and hence inappropriate to fix a design as part of the current application.
- v) OCC refer to the "Interim" period and the absence of direct linkage to the adjacent existing residential area to the east. The response further references pedestrian infrastructure secured under application 17/00455/HYBRID. Given the previously anticipated limited period (less than a year) under which it was envisaged that the "Interim" position would operate, it was not considered that the costs involved in such a short term pedestrian/cycle connection via Howes Lane were commensurate. Given that the "Interim" period is now liable to be more prolonged, it is proposed to promote pedestrian and cyclist linkage

through the eastern development parcel and a signalised pedestrian crossing on Howes Lane linking into the public footpath through to Wansbeck Drive. This is illustrated on the **DTA Drawing 14042-65** and the Proposed Site Plan TP\_002L (**Appendix B**) and the crossing detailing shown on **DTA Drawing 14041-65**.

### **Public Transport**

14. OCC refer to bus stops potentially being accommodated on the road between the SLR and Axis J9 Phases 1 and 2. The NWB bus strategy did not show bus stops on this section. Nearby stops were indicated on the SLR itself and these locations are not prejudiced by the current design proposals. Similarly, the approved Axis J9 Appeal drawing showing access to the consented residential scheme on the Phase 3 land was secured and defined by **DTA Drawing 14042-25-2 (Appendix C)** and did not show a bus stop on this section. The onus is on the wider development aspiration for the NWB site to secure the locations suitable for the full development. The current proposals do not prejudice this.
15. In the meantime, the pedestrian enhancement linking to Wansbeck Drive will assist with the connectivity to local bus services, where the 21 services into Bicester town centre run approximately 275m from the site.
16. In terms of S106 payment towards public transport services, clarification is sought from OCC regarding the calculation of the sums and justification of request put forward given that the timescales for SLR delivery and hence bus routing is now so unclear.

### **Public Rights of Way**

17. The improvement to PROW contribution is acknowledged and accepted.

### **Site Layout**

18. The suggestion of a planning condition in regards electric vehicle charging is agreed.
19. The OCC review of the on-site cycle parking proposal is not accurate and so clarification is provided. The proposal includes a total of 88 spaces across the site, which exceeds

the local parking standards, with an average provision of one space per 192sqm, better than either the industrial or warehousing standards.

20. The cycle parking is conveniently located. The larger western units have their own provision. The cycle parking for Unit 1 has now been moved even closer to the access doors in the refined proposals shown on Drawing TP\_002L (**Appendix B**). The eastern units benefit from shared cycle parking spaces reflecting the smaller nature of the units and hence individual unit cycle parking demand. All spaces are conveniently located to the front doors of the units which they serve.

### **Traffic Impact**

21. The scope and input parameters of the assessments presented in the application TA were those agreed with OCC during pre-app for the post SLR situation. The traffic flows were provided to DTA by OCC as being fit for purpose. The base post SLR data network diagrams being sought as provided by OCC were included within **Appendix I** of the TAR.
22. OCC now seek traffic from Great Wolf committed development to be manually added. The Great Wolf TA, Figures 5.9 and 5.10 illustrate that forecast traffic through the existing Howes Lane/Middleton Stoney roundabout totals 8 trips in the AM peak and 11 trips in the PM peak. Against the context of forecast junction flows of 3,038 trips through the junction in the AM peak, this equated to a 0.02% increase and is not considered material. It is therefore not considered necessary to revisit the post-SLR assessments. The PM data is similarly proportioned. Notwithstanding, the amended approach set out below takes Great Wolf into account in the pre-SLR scenario.
23. In order to evaluate the Axis J9 Phase 3 proposals on the existing (pre-SLR) network, DTA commissioned traffic counts on the adjacent network. The turning counts and queues were undertaken on Wednesday 8<sup>th</sup> December 2021 prior to “work from home if you can” governmental pandemic instruction. The counts are therefore considered to be representative. The data is provided at **Appendix D**.
24. Peak period surveys were undertaken at:

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- Howes Lane/Middleton Stoney Road roundabout;
  - Howes Lane/Bucknell Road; and
  - Bucknell Road/A4095(E).
25. DTA maintain that the pre-SLR impact from the fully flexible development should be deemed acceptable for the reasons set out in the application TA (paras 6.2.6 to 6.2.16). However, in order to respond positively to OCC concerns, the applicant is prepared to accept pre-SLR condition wording to restrict the western site parcel, Units 1-5 to B8 land use only (i.e. removing the employment flexibility) accounting for 14,188sqm out of the 16,942sqm across the site. Post-SLR the permission would revert to the flexibility originally sought (and appraisal in the application TA).
26. For the pre-SLR development scenario, traffic generation forecasts are prepared below to reflect the western parcel (Units 1-5) operating under the B8 land use classification and the eastern parcel (Units 6-14) remaining flexible land use as per the application TA. On this basis, the pre-SLR development traffic generation is set out in **Table 1**.

**Table 1** – Pre-SLR Development Traffic Generation

	GIA (sqm)	AM Peak			PM Peak		
		In	Out	Total	In	Out	Total
B8	14188	10(2)	7(2)	17(4)	5(1)	11(3)	16(4)
E(g)(iii)/B2/B8	2754	11(1)	2(1)	12(2)	1(0)	10(0)	11(1)
Total	16942	21(4)	9(3)	29(6)	6(1)	21(4)	27(5)

Flows are given as total vehicles with HGVs in brackets.

27. These flows should be compared with Table 5 of the application TA, which are summarised below in **Table 2** and referred as post-SLR site flows (i.e. fully flexible).



**Table 2** – Site Traffic Flow Comparison

	<b>Post-SLR Proposal</b>	<b>Pre-SLR Proposal</b>
AM Peak	81	29
PM Peak	59	27

Flows in total vehicles.

28. The reduced flexibility within the pre-SLR assumptions means AM peak site flows would be only one third of post-SLR flows and only a half of the forecast flow in the PM peak.
29. The resulting distributed and assigned flows are shown on **Figures 3 and 4** with the HGV restrictions on use Howes Lane in place pre-SLR. These demonstrate that pre-SLR the site is forecast to add only 10 two-way trips to the Bucknell Road/Howes Lane junction in the AM peak, and only 9 vehicles in the PM peak. This equates to only one extra vehicle every 6 minutes. These increases are almost identical to those forecasted by Great Wolf which were accepted by OCC without need for intervention.
30. Each existing junction was subject to JUNCTIONS appraisal in 2021 and 2026 before and after the addition of Axis J9 Phase 3 development traffic. The 2021 observed (base) model at Bucknell Road/Howes Lane has been subject to rigorous preparation and review to ensure validation against observed queuing patterns. Traffic growth is applied with TEMPRO applied with a specific additional allowance made for forecasted traffic from Great Wolf as set out within their application TA, which are summarised in **Figures 1 and 2**.
31. **Tables 3, 4 and 5** set out the summarised results. The JUNCTIONS output is included at **Appendix E**. These illustrate that the development traffic impact is very minor in 2021 and 2026. The impact of the development is not severe and can be accommodated on the existing network prior to the delivery of the SLR.
32. The Empire Way/Middleton Stoney Road junction assessment presented in the TA remains appropriate as a worst-case appraisal of its operation pre or post SLR.

**AXIS J9 PHASE 3 TECHNICAL NOTE**Response to OCC Highways Consultation Response  
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	AM Peak		PM Peak	
	Max RFC	Queue	Max RFC	Queue
<b>2021 Observed</b>				
Howes Lane	0.82	5	0.51	1
Middleton Stoney Road (East)	0.35	1	0.24	0
Vendee Drive	0.36	1	0.49	1
B4030 (West)	0.30	0	0.31	1
<b>2021 Observed + Development</b>				
Howes Lane	0.83	5	0.52	1
Middleton Stoney Road (East)	0.35	1	0.25	0
Vendee Drive	0.37	1	0.50	1
B4030 (West)	0.31	1	0.34	1
<b>2026 Base</b>				
Howes Lane	0.88	7	0.55	1
Middleton Stoney Road (East)	0.37	1	0.26	0
Vendee Drive	0.39	1	0.53	1
B4030 (West)	0.32	1	0.34	1
<b>2026 Base + Development</b>				
Howes Lane	0.89	8	0.56	1
Middleton Stoney Road (East)	0.38	1	0.26	0

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Vendee Drive	0.40	1	0.53	1
B4030 (West)	0.33	1	0.37	1

33. The post-SLR assessment remains unchanged from the application TA and have been demonstrated to be acceptable.

**Table 4 – Howes Lane/Bucknell Road T-junction Assessment Results**

	AM Peak		PM Peak	
	Max RFC	Queue	Max RFC	Queue
<b>2021 Observed</b>				
Howes Lane	0.85	6	1.06	34
Bucknell Road (North) Right Turn	1.00	27	0.77	4
<b>2021 Observed + Development</b>				
Howes Lane	0.86	6	1.08	37
Bucknell Road (North) Right Turn	1.01	30	0.78	4
<b>2026 Base</b>				
Howes Lane	0.94	12	1.14	56
Bucknell Road (North) Right Turn	1.07	55	0.82	5
<b>2026 Base + Development</b>				
Howes Lane	0.96	13	1.15	59
Bucknell Road (North) Right Turn	1.08	61	0.83	5

34. It should be noted that the validated AM peak 2021 observed assessment on the Bucknell Road (North) Right Turn is compared against recorded queues (**Appendix D**) both at this junction and the A4095 arm of the Bucknell Road/A4095 mini-

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roundabout since they form part of the same queue. The queue arises at the Bucknell Road/Howes Lane T-junction, not as a result of the mini-roundabout operation itself.

**Table 5 – Bucknell Road/A4095 Mini-Roundabout Assessment Results**

	AM Peak		PM Peak	
	Max RFC	Queue	Max RFC	Queue
<b>2021 Observed</b>				
A4095	0.65	2	0.52	1
Bucknell Road (South)	0.47	1	0.56	1
Bucknell Road (North)	0.11	0	0.11	0
<b>2021 Observed + Development</b>				
A4095	0.66	2	0.52	1
Bucknell Road (South)	0.47	1	0.57	1
Bucknell Road (North)	0.11	0	0.11	0
<b>2026 Base</b>				
A4095	0.69	2	0.55	1
Bucknell Road (South)	0.50	1	0.60	2
Bucknell Road (North)	0.12	0	0.12	0
<b>2026 Base + Development</b>				
A4095	0.70	2	0.55	1
Bucknell Road (South)	0.50	1	0.60	2

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Bucknell Road (North)	0.12	0	0.12	0
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35. Post-SLR, neither of the junctions assessed in **Tables 4** and **5** are relevant for appraisal as the SLR provides traffic relief. For the avoidance of doubt, with a pre-SLR condition in place, then post SLR, permission would revert to a flexible use across the site as defined by the original application.
36. The applicant has also funded the running of pre-SLR Bicester Traffic Model runs with the fully flexible land use mix in place (along with the revised mix) provided above. These results are due to be available before the end of February 2022 for the original application land use mix, i.e. flexible E(g)(iii)/B2/B8 across the whole site. It is possible this will demonstrate that a fully flexible land use can be accepted pre-SLR. Clearly, if this is the case there will be no need for a restrictive pre-SLR planning condition.

### Travel Plan

37. Comments are noted.

### S278 Highway Works

38. A signalised crossing design is provided as discussed above.

### Planning Conditions

39. Comments are noted.

## Drawings

SITE

↗ Continues on Cornish Architects drawing 20019-TP-002-K

HOWES LANE

↙ Public footpath to Wansbeck Drive

Based upon the ORDNANCE SURVEY MAPS with the permission of THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE © Crown Copyright AL 100030412

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REV	DESCRIPTION	DRAWN	INITIALS	DATE



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JOB TITLE		Axis J9 Phase 3		CLIENT		Albion Land	
DRAWING TITLE							
Proposed Signalised Pedestrian Crossing on Howes Lane							
SCALE	DRAWN BY	DATE	DRAWING No	REVISION			
1/200@A3	BP	Feb22	14042-65				

## Figures

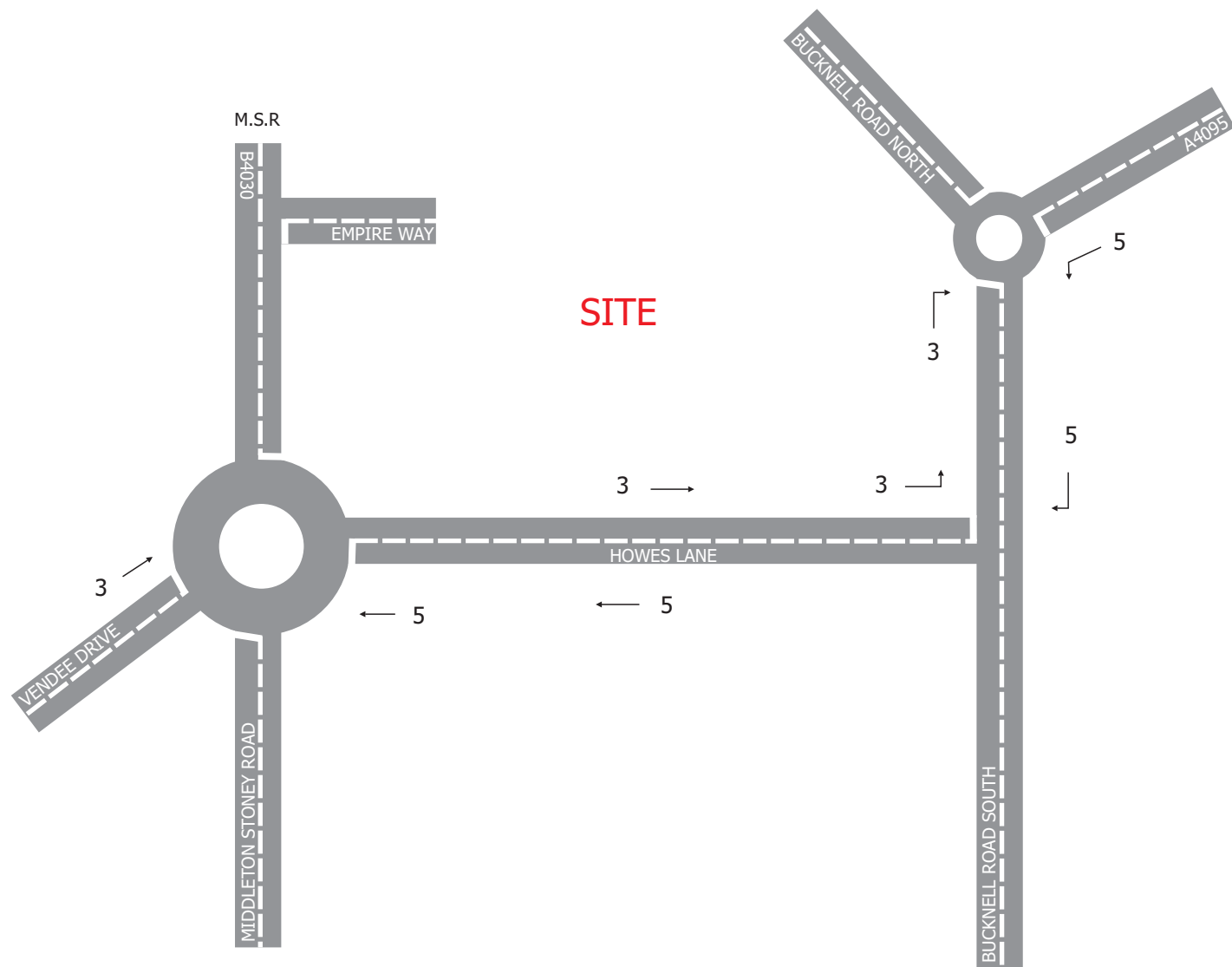


AM PEAK 0800-0900

TOTAL VEHICLES

Scale : NTS

Notes:



SITE

COMMITTED DEVELOPMENT (IN 2026)

GREAT WOLF



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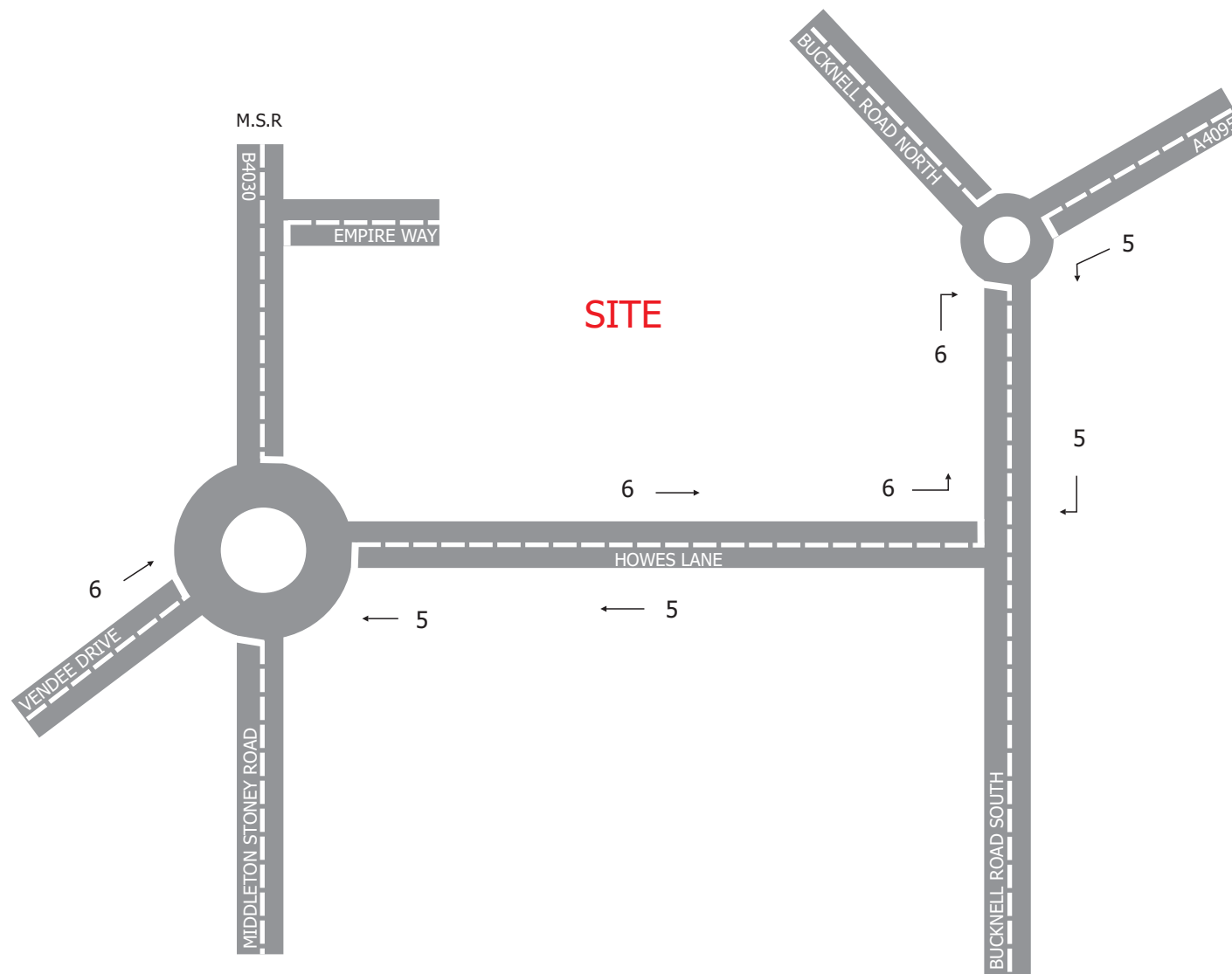
Drawing No: 14042-66-1

FIGURE 1

Traffic Flows  
Axis J9 Phase 3  
Albion Land

PM PEAK 1700-1800

TOTAL VEHICLES



Scale : NTS

Notes:

COMMITTED DEVELOPMENT (IN 2026)

GREAT WOLF

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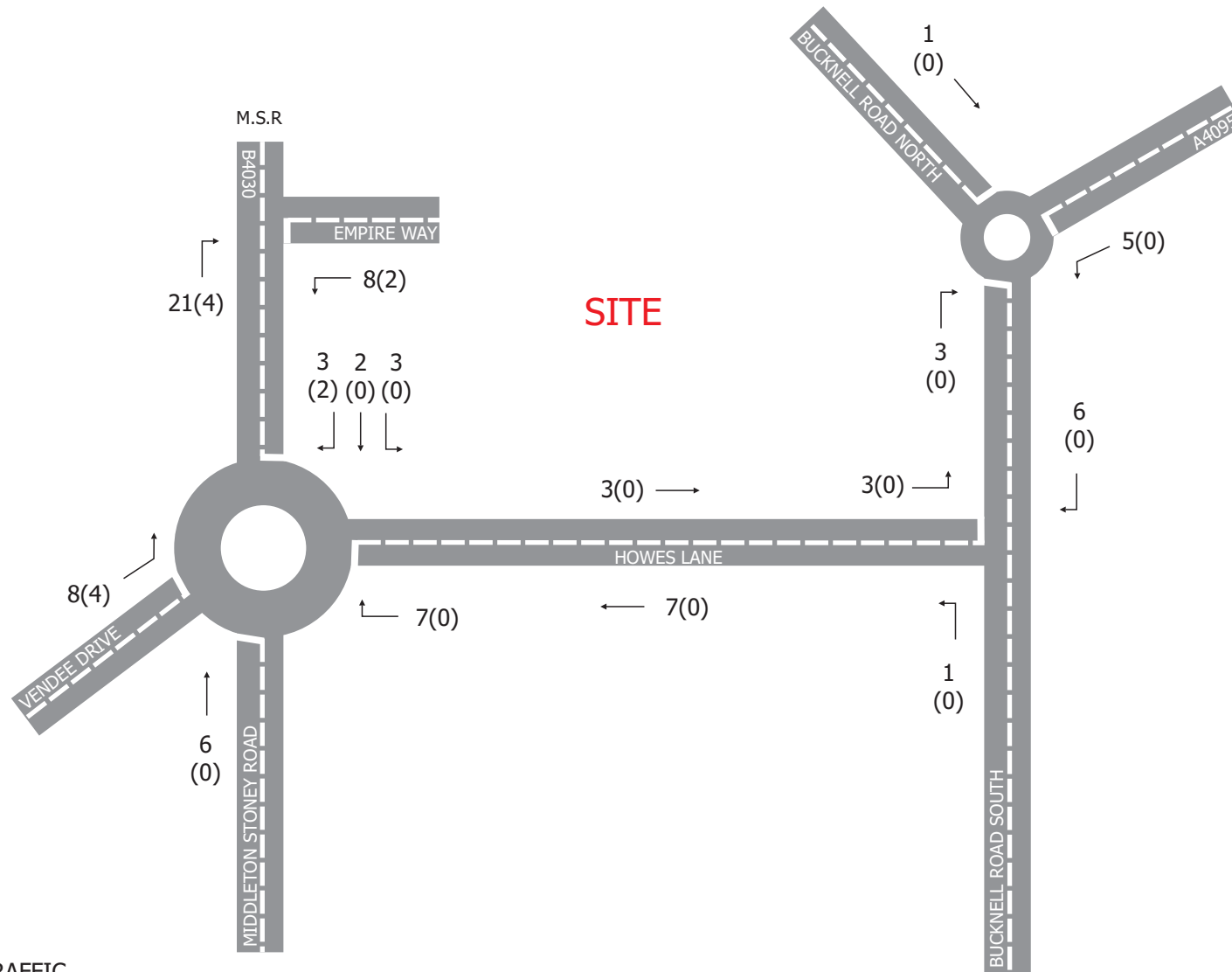
Drawing No: 14042-66-2

FIGURE 2

Traffic Flows  
 Axis J9 Phase 3  
 Albion Land

AM PEAK 0800-0900

TOTAL VEHICLES (HGV'S)



PRE-SLR SITE TRAFFIC

WESTERN PARCEL - B8

EASTERN PARCEL - E(g)(iii)/B2/B8

Scale : NTS

Notes:

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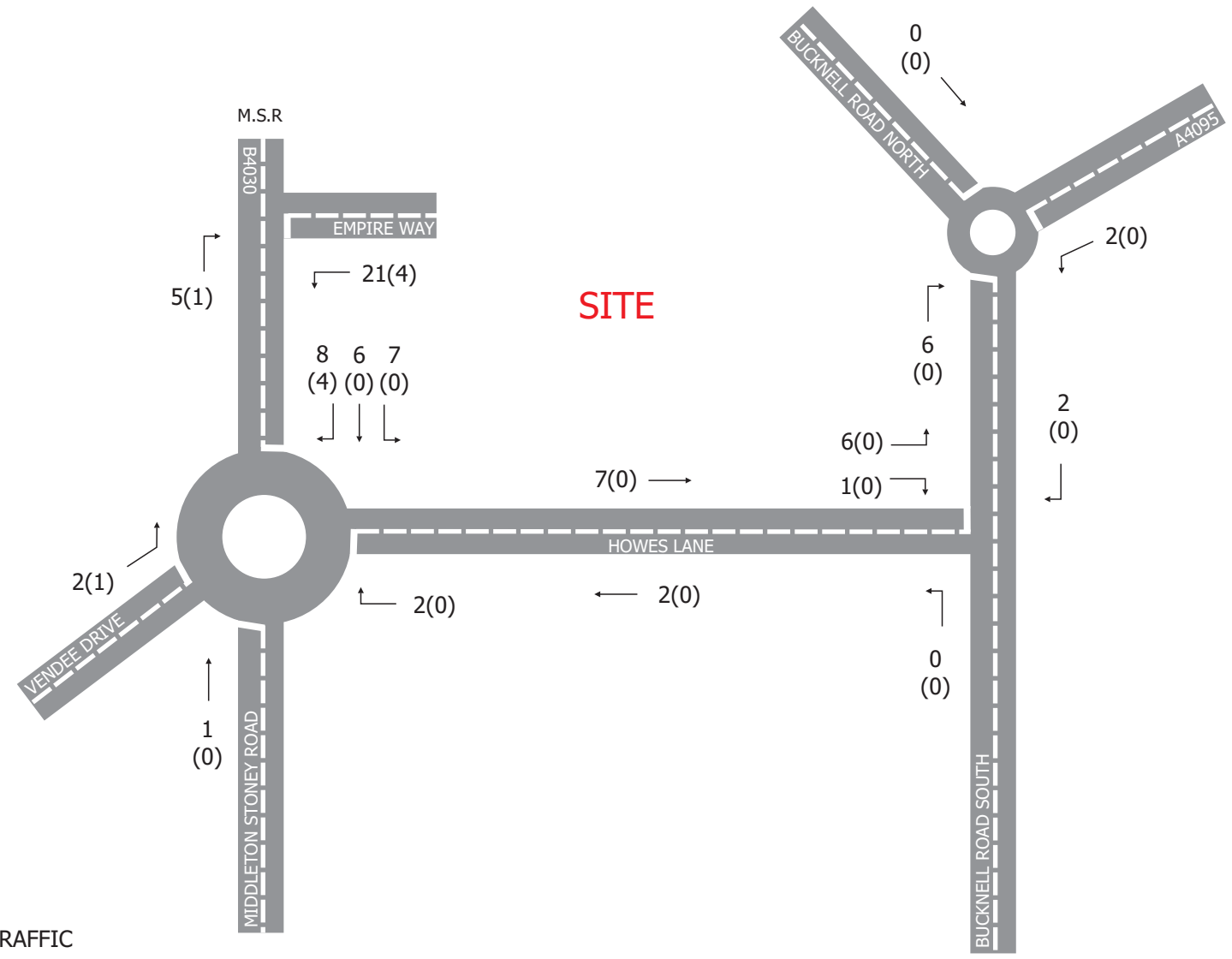
Drawing No: 14042-66-3

Traffic Flows  
 Axis J9 Phase 3  
 Albion Land

FIGURE 3

PM PEAK 1700-1800

TOTAL VEHICLES (HGV'S)



PRE SLR SITE TRAFFIC

WESTERN PARCEL - B8

EASTERN PARCEL - E(g)(iii)/B2/B8

Scale : NTS

Notes:



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Drawing No: 14042-66-4

Traffic Flows  
Axis J9 Phase 3  
Albion Land

FIGURE 4

## **Appendix A**

## **OXFORDSHIRE COUNTY COUNCIL'S RESPONSE TO CONSULTATION ON THE FOLLOWING DEVELOPMENT PROPOSAL**

**District:** Cherwell

**Application no:** 21/03177/F

**Proposal:** Axis J9 Phase 3 Howes Lane Bicester

**Location:** Full planning application for employment development (Use Classes E(g)(iii), B2 and/or B8) and associated parking and servicing, landscaping and associated works

**Date:** 7 December 2021

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This report sets out the officer views of Oxfordshire County Council (OCC) on the above proposal. These are set out by individual service area/technical discipline and include details of any planning conditions or Informatives that should be attached in the event that permission is granted and any obligations to be secured by way of a S106 agreement. Where considered appropriate, an overarching strategic commentary is also included. If the local County Council member has provided comments on the application these are provided as a separate attachment.

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**Application no: 21/03177/F**

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## **General Information and Advice**

### **Recommendations for approval contrary to OCC objection:**

If within this response an OCC officer has raised an objection but the Local Planning Authority are still minded to recommend approval, OCC would be grateful for notification (via [planningconsultations@oxfordshire.gov.uk](mailto:planningconsultations@oxfordshire.gov.uk)) as to why material consideration outweighs OCC's objections, and to be given an opportunity to make further representations.

### **Outline applications and contributions**

The anticipated number and type of dwellings and/or the floor space may be set by the developer at the time of application which is used to assess necessary mitigation. If not stated in the application, a policy compliant mix will be used. The number and type of dwellings used when assessing S106 planning obligations is set out on the first page of this response.

In the case of outline applications, once the unit mix/floor space is confirmed by reserved matters approval/discharge of condition a matrix (if appropriate) will be applied to establish any increase in contributions payable. A further increase in contributions may result if there is a reserved matters approval changing the unit mix/floor space.

### **Where a S106/Planning Obligation is required:**

- **Index Linked** – in order to maintain the real value of S106 contributions, contributions will be index linked. Base values and the index to be applied are set out in the Schedules to this response.
- **Administration and Monitoring Fee - TBC**  
This is an estimate of the amount required to cover the monitoring and administration associated with the S106 agreement. The final amount will be based on the OCC's scale of fees and will be adjusted to take account of the number of obligations and the complexity of the S106 agreement.
- **OCC Legal Fees** The applicant will be required to pay OCC's legal fees in relation to legal agreements. Please note the fees apply whether a S106 agreement is completed or not.

**Security of payment for deferred contributions** - Applicants should be aware that an approved bond will be required to secure a payment where a S106 contribution is to be paid post implementation and

- the contribution amounts to 25% or more (including anticipated indexation) of the cost of the project it is towards and that project cost £7.5m or more
- the developer is direct delivering an item of infrastructure costing £7.5m or more
- where aggregate contributions towards bus services exceeds £1m (including anticipated indexation).

A bond will also be required where a developer is direct delivering an item of infrastructure.

The County Infrastructure Funding Team can provide the full policy and advice, on request.



**Application no: 21/03177/F**

**Location:** Full planning application for employment development (Use Classes E(g)(iii), B2 and/or B8) and associated parking and servicing, landscaping and associated works

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## **Strategic Comments**

The site is located within an allocation identified in the Adopted Cherwell Local Plan as Policy Bicester 1 for up to 6,000 homes and associated infrastructure. The Northwest Bicester SPD (2016) sets out further detailing for the comprehensive development of the site.

This application seeks full planning permission for 16,901 sqm of B2 and/or B8 employment space development on land that currently has unimplemented planning permission for 150 dwellings which was allowed on appeal (14/01675/OUT).

The application assumes that the Strategic Link Road/A4095 diversion will be in place in 2024 and argues that there is sufficient capacity in the local road network for the development to be occupied before the SLR is open. This point has not yet been established and there is now uncertainty of delivery of the SLR, which means that a resultant severe congestion impact could last many years.

The County Council is raising Transport and Local Lead Flood Authority objections.

Also attached are Local Member Views from Cllrs Sibley, Cllr Waine and Cllr Ford.

**Officer's Name: Jacqui Cox**

**Officer's Title:** Infrastructure Locality Lead Cherwell

**Date:** 6 December 2021

**Application no: 21/03177/F**

**Location:** Full planning application for employment development (Use Classes E(g)(iii), B2 and/or B8) and associated parking and servicing, landscaping and associated works

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## Transport Development Control

### Recommendation

#### Objection for the following reasons:

- The application does not adequately demonstrate that the traffic impact of the development will not be severe.
- The development does not provide adequate pedestrian and cycle connectivity to existing residential areas, meaning that it does not provide a range of sustainable transport options. This is also an unacceptable safety risk.
- The amount of cycle parking appears to be insufficient for the size of the development, again meaning that development does not adequately provide for a range of sustainable transport options.
- The proposed cycle facilities are not considered to be compliant with current guidance

If despite OCC's objection permission is proposed to be granted then OCC requires prior to the issuing of planning permission a [S106 agreement including an obligation to enter into a [S278 agreement] [S38 agreement] to mitigate the impact of the development plus planning conditions and informatives] as detailed below.

#### S106 Contributions

Contribution	Amount £	Price base	Index	Towards (details)
Highway works	See below – need for link to existing major infrastructure agreement		Baxter	
Public transport services	£134,375	Q2 2017	RPI-x	Bus services serving NW Bicester
Public transport infrastructure ( <i>if not dealt with under S278/S38</i> )	£19,460	April 2017	Baxter	Bus infrastructure at NW Bicester

<i>agreement)</i>				
Traffic Reg Order ( <i>if not dealt with under S278/S38 agreement</i> )			RPI-x	
Travel Plan Monitoring	£5,271	Dec 2020	RPI-x	Towards the cost of monitoring the framework and individual travel plans over the life of the plans
Public Rights of Way	£2,846	April 2017	Baxter	Improvements to Bridleway 9 and Bucknell Bridleway 4
<b>Total</b>				

Other obligations:

- On site highway works – see below regarding need to link to existing agreement in relation to the Strategic Link Road
- Obligation to provide a pedestrian/cycle link between the SLR and existing Howes Lane (although note that a lack of a ped/cycle connection to Howes Lane in the interim access proposals is a reason for objection), and for this to be dedicated as highway once the SLR is connected.
- Routing agreement ahead of the SLR being open, to prevent HGV traffic from using Howes Lane.

### Key points

- The application assumes that the Strategic Link Road/A4095 diversion will be in place in 2024, and argues that there is sufficient capacity in the local road network for the development to be occupied before the SLR is open. However, I do not accept this argument for reasons set out below. This compares with the current permitted residential use, which is restricted from being occupied before the SLR is open.
- Further, there is now uncertainty of delivery of the SLR (see below), which means that a resultant severe congestion impact could last many years.
- Permanent access would be via two ghost island priority junctions directly off the SLR.
- Temporary access would be via Empire Road directly onto Middleton Stoney Road. This route would be closed off between existing Axis Phase 1 and Phase 2 when the SLR is open to traffic.
- The proposed development includes a small section of the SLR. Cycle facilities on the north side do not appear to be segregated, which is in line with the permitted

layout for the SLR. However, policy has changed since that planning permission was granted, and a segregated, LTN 1/20 compliant facility would be required.

- There is no pedestrian/cycle access proposed onto existing Howes Lane – vehicular or pedestrian/cycle.
- There is no consideration in the TA of walking distances to bus stops in the interim situation (before SLR is open).
- The lack of connectivity is unacceptable even as an interim situation.
- Future bus stop positions need to be shown on the plans and agreed
- S106 contributions secured on the permitted residential development would need to be secured on this development if approved, in order for the site to contribute its share of the overall mitigation for the NW Bicester allocation

## **Comments:**

### **Introduction**

The application is for 16901 sqm of employment space on land that currently has permission for 150 dwellings, instead of those dwellings. This would be on two parcels, the larger being to the west of the future SLR, and the smaller parcel being between the future SLR and existing Howes Lane. The application assumes that the Strategic Link Road/A4095 diversion will be in place in 2024, and argues that there is sufficient capacity in the road network for the development to be occupied before the SLR is open. This compares with the current permitted residential use, which is restricted from being occupied before the SLR is open.

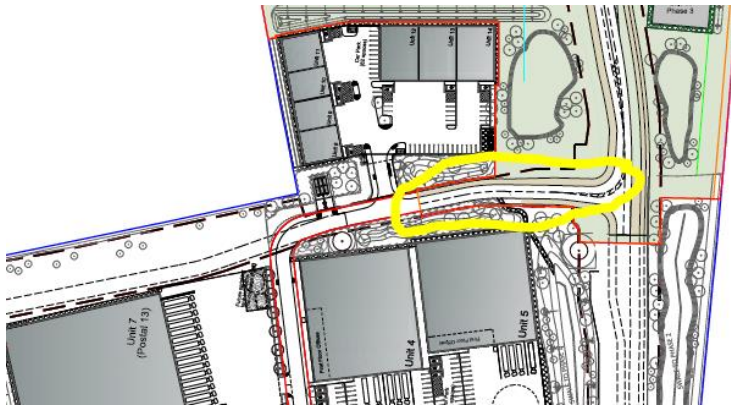
### **Access arrangements**

Access is proposed directly onto the future SLR, a short section of which would be built as part of the development. The carriageway width, and the layout with right turning lanes is considered suitable for the nature of this road, which would be a diversion of an A road and carry significant volumes of traffic, including HGVs.

A 4.0m shared use footway/cycleway would be provided on the northern side, and a 2.5m cycleway and 2m footway on the south side, separated from the carriageway by a 5m verge. 2.5m cycleway is the 'absolute minimum at constraints' for two-way cycling as set out in LTN 1/20. 4m shared use is not compliant with LTN 1/20. Whilst these dimensions meet with the cycle/pedestrian facilities in the approved planning permission for the SLR (ref 14/01968/F) as described in section 4.3 of the Transport Assessment), policy has changed since that permission was granted, and the facility must now be compliant with LTN 1/20. Whilst priority for cyclists is provided across the access junctions, a pedestrian crossing point is missing from the access into the eastern parcel. Given the length of the crossings, consideration should be given to providing a refuge.

Further, the road infrastructure in the area circled yellow below will form part of the permanent road infrastructure linking units 8 to 14 to the SLR and must be designed to

be compliant with LTN 1/20. This link is intended in future to provide pedestrian, cycle and bus access into Himley Village so could experience high levels of pedestrian and cycle use.



A temporary access is proposed, prior to the opening of the SLR, via existing Phase 2 and Phase 1, onto Middleton Stoney Road via Empire Road. There would be no access onto Howes Lane. The TA states that this concept has been agreed with OCC, but this was always subject to a transport assessment. Cycle and ped access would be via 3m shared use facilities on Empire Road, which, given the level of use solely as a cul-de sac into an industrial estate, is likely to fall below the walking and cycling thresholds set out in LTN 1/20 that make 3m shared use acceptable. For information, Empire Road will be closed off after units 4 and 7 to become a cul de sac, once the SLR is open.

Plan 14042-60 Rev H (Access Road General Arrangement) appended to the TA shows an indicative arrow at the SE corner of the site saying 'protected route for pedestrian-cycle link to Howes Lane'. As the application assumes the future connection of the SLR, it should include the provision of a suitable ped/cycle connection to the site boundary to provide for the connection between existing Howes Lane and the SLR.

However, in the interim situation (before the SLR) pedestrian and cycle connectivity to the existing residential area would be poor, involving a long walk south to Middleton Stoney Road, along Middleton Stoney Road and then doubling back north into the residential area via the network of streets. This would discourage walking to the site. There would also be a desire line across existing Howes Lane, especially to the public footpath linking through to Wansbeck Drive. Pedestrians may well make their own way unofficially into the site, to cut off a large detour, leading to unsafe crossing and walking along the verge on Howes Lane.

The permitted housing development, in the situation where it could come forward in advance of the SLR, in lieu of a portion of the employment, (as permitted under 17/00455/HYBRID) would have required a 'pedestrian access leading to a new signalised pedestrian crossing of Howes Lane and a footway connection on the east site of Howes Lane to existing public footpath leading to Wansbeck Drive' (as per the S106 agreement dated 7 August 2017).

The site plan shows an access road leading east through the eastern parcel, ending at a gate. A pedestrian/cycle connection should be made here to Howes Lane, in the interest of providing a range of sustainable transport modes and of highway safety. The absence of a connection is a reason for objection, even in the interim situation, which could last many years.

Within the parcels, pedestrian priority should be provided across the accesses into each unit.

### **Strategic Link Road**

The site is subject to a separate legal agreement committing the owner to paying a proportionate contribution to the major infrastructure at NW Bicester (principally the SLR). This agreement makes provisions for allowances against this contribution where the owner delivers part of the SLR themselves. It also ensures that construction of the part of the SLR cannot proceed until OCC grants technical approval, and various other provisions. The S106 agreement for this site would need to link it to that agreement. The need for technical approval of the SLR element prior to construction is critical to ensure that it is built to an adequate standard, suitable for final adoption.

### **Public transport**

Following completion of the SLR, the site would be on the future NW Bicester bus route. However, no bus stops are shown on the plan. These could potentially be accommodated on the road between Phases 1 and 2, but this needs to be demonstrated, and bus stop and shelter provision needs to be taken account of in the design. In accordance with LTN 1/20 a cycle bypass would be required for the shelter, which needs to be accommodated in the design.

The TA mentions bus services that serve the residential area east of Howes Lane, but as no pedestrian connection is proposed, it is unclear how employees would access them. Until the SLR is open, employees and visitors would need to use stops on Middleton Stoney Road near the junction with Empire Road, which currently serve Phases 1 and 2. There is no consideration of the considerable walking distances to these stops in the TA.

Public transport contributions were secured via a S106 agreement on the existing permission. The elements that were to be triggered on occupation of the permitted residential development should be secured on this development to ensure that it pays its proportionate share to the bus strategy for NW Bicester.

### **Public rights of way**

A contribution towards improvements of public rights of way Bicester Bridleway 9 and Bucknell Bridleway 4 was secured on the residential development that the proposed development would replace. The same contribution should be secured on this

development to ensure that it pays its proportionate share to the transport mitigation strategy for NW Bicester.

## Site layout

### Car and cycle parking

Car parking would be provided overall on the basis of one space per 82sqm. This is only slightly below the recommended 1 space per 50sqm for industrial (B2) use but well above the recommended one stand space per 200 sqm for warehousing (B8).

10% of spaces would have EV charging, with enabling infrastructure for 25% of spaces to have it in future. The Oxfordshire Electric Vehicle Infrastructure Strategy requires 25% of spaces to have EV charging facilities, so there would need to be a condition to provide it by an agreed date.

Cycle parking – on the basis of the spaces shown for cycle shelters, it looks as though 35 spaces would be provided across the whole site. Allowing for the same balance of B2 and B8 that would result in the proposed number of car parking spaces, and allowing for visitors, this would be well below the recommended number. On the basis that this development would be part of an eco town, this is poor provision and should be increased. Also the cycle parking should be positioned close to the access doors, to give this priority as well as maximum security from overlooking. In some of the buildings the cycle parking appears to be in the HGV area, which is not acceptable. The recommended amounts are shown below.

	Residential	Food Retail	Non Food Retail	A2 - Banks and Profession	B1-Offices	B2 - General Industry	B8 Warehousing	D2 Assembly and Leisure	Cinema & Conference	Hotel and Guest Hse	Hospital	Higher Education	A3 - Restaurant / pubs	Stadia
<b>Long stay/ employee/ resident</b>	1bed - 1 space; 2+ beds - 2 Spaces***	1stand per 12 staff *	1stand per 6 staff *	1stand per 12 staff **	1stand per 150 sqm	1stand per 350 sqm	1stand per 500 sqm	1stand per 12 staff **	1stand per 12 staff **	1stand per 12 staff **	1stand per 12 staff	Subject to individual assessment	1stand per 12 staff **	1stand per 12 staff
<b>Visitor</b>	1stand per 2 units where more than 4 units	1stand per 200sqm	1stand per 200sqm	1stand per 100sqm	1stand per 500 sqm	1stand per 500 sqm	1stand per 1000 sqm	1stand per 20 sqm	1stand per 20 sqm	1stand per 10 beds	on merits	Subject to individual assessment	1stand per 20 sqm of public space	on merits (guide 1 stand per 30 seats)

## Traffic impact

The impact of the development has been assessed for the future year 2031, using a 2018 scenario of the Bicester Transport Model, that includes most committed development, including that at Heyford. The scenario also assumes that the Strategic Link Road (SLR) at North West Bicester (a diversion of the A4095 through the NW Bicester Masterplan area, under the now constructed railway overbridge) will be in place in 2031. However, it has recently been recommended to the Oxfordshire Growth Board that the allocated Growth Deal funding for the project should be reallocated, and with no alternative forward funding currently in place, there is no longer certainty of its delivery

within that timescale. The Growth Board will consider the recommendation on 30 November.

Therefore the predictions in the Transport Assessment can no longer be regarded with any degree of certainty. Without the SLR, there would be severe congestion at the junction of Howes Lane, Bucknell Road and Lords Lane.

Putting this uncertainty aside, I have the following further comments about the 2031 assessment:

- The scenario does not include traffic from the consented Great Wolf resort at Chesterton, which is a non-local plan development for which planning permission was won on appeal. The TA does not provide the model output flows and the accompanying uncertainty log, which it should for completeness.
- It is noted and accepted that in terms of peak hour trips, the proposed uses would generate less traffic than the permitted residential development, albeit there would be a higher proportion of HGVs.
- Network diagrams are provided showing the development traffic, but not for the base flows. Development traffic has been added to 2031 flows from the Bicester Transport Model and the total flows used to assess the site access junctions and Vendee Drive/Middleton Stoney Road/SLR junction. However, flows from the Great Wolf resort have not been taken into account. This needs to be addressed.
- The results show that the SLR arm of the Middleton Stoney/Vendee Drive/SLR junction is predicted to be over capacity without the development, and that the development would make it slightly worse as well as pushing the Middleton Stoney Road East arm slightly over capacity.

### **Interim assessment**

There is a restriction on the current planning permission that the dwellings permitted on this site cannot be occupied prior to the completion of the SLR. However, this application proposes that the development will be occupied ahead of the completion of the SLR. An argument is put forward for this in paragraphs 6.2.6-6.2.16 of the Transport Assessment. This hinges on assessment work carried out by others in 2015 to predict the performance of the existing Bucknell Road/ Howes Lane/ Lords Lane junction as NW Bicester develops. This is a junction that experiences severe congestion, and which will be relieved by the SLR. This assessment has been used to restrict (through planning conditions) the amount of development that can be occupied at NW Bicester before the SLR is connected, including an existing restriction on the Site, by which the permitted 150 homes may not be occupied before the SLR is open.

The assessment referred to above is now over six years old, and was based on a traffic model that did not include development at Heyford. As such it is no longer considered by OCC to be a reliable method of establishing the upper limits of capacity at the critical junction, being likely to under-estimate these upper limits.



Taking the overall theoretical capacity threshold at NW Bicester that was established by the 2015 assessment work referred to above, which was 900 dwellings and proportionate employment, the TA calculates that the application would generate 15% of the remaining traffic capacity (in terms of number of trips) at the critical junction before the threshold is reached. According to the TA this would reduce the number of dwellings that could be occupied across NW Bicester prior to the opening of the SLR by 76. This needs to be carefully considered in the context of live planning applications for dwellings.

My understanding of the argument put forward in the TA is as follows:

- PM Peak hour turning matrices for 900, 1200 and 2256 dwellings provided by Hyder to the applicant in 2015 showed that it was assumed the trip rate from NW Bicester passing through the critical Howes/Bucknell/Lords junction, was 0.373 trips per dwelling plus the proportional level of employment (based on the difference between these matrices).
- From this the TAs calculate that the 900 dwellings proposed to be the threshold across NW Bicester (plus proportionate employment) that can be allowed prior to the SLR, would generate 336 PM peak hour trips through the critical junction.
- The trips assumed to be generated from the employment element of the mixed use consent was 45 in the PM peak through the critical junction.
- Deducting these from the 336 above, would leave 291 for the housing element (900 dwellings) This works out at 0.323 trips per dwelling.
- Applying this to the difference between the 900 threshold and the Exemplar (393) of 507 dwellings, gives 164 peak trips as the permitted but unrealised traffic flow threshold.
- This application is predicted to generate 26 peak hour trips through the critical junction, i.e.15% of unrealised traffic allowed for within the threshold, or the equivalent of 76 vehicles not being occupied ahead of the SLR.

I recommend that the development is not permitted to be occupied ahead of the opening of the SLR, because it is not reliably demonstrated that there would not be severe congestion at the junction of Bucknell Road/Lords Lane/Howes Lane.

In the absence of certainty over delivery of the SLR, a further 2031 assessment would need to be carried out using a baseline scenario without the SLR. This would almost certainly show that there would be severe congestion at the above mentioned junction.

## **Travel Plan**

The EV charging spaces, cycle parking spaces, and changing and shower facilities are all welcomed.

A couple of comments on the submitted Framework Travel Plan:

The mode share targets (table 2) are not very ambitious. We would expect to see a bigger decrease for the car driver mode share.

Please provide an interim TPC contact.

In addition to the overarching framework travel plan, Units 4 and 5 are above the threshold that would trigger a need for their own travel plan, which would be expected to be in line with the framework travel plan.

The final travel plans should be required by condition.

A contribution would be required of £2,379 for the Framework Travel Plan and £1446 each for the two individual travel plans, totalling £5,271 (RPIx Dec 2020).

**S106 obligations and their compliance with Regulation 122(2) Community Infrastructure Levy Regulations 2010 (as amended):**

**£134,375 Public Transport Service Contribution** indexed from Q2 2017 using RPI-x  
**Towards:** Bus service linking NW Bicester with the town centre and railway station.

**Justification:** Needed to provide sustainable transport options to the site, and as part of the overall public transport strategy for the NW Bicester policy allocation.

**Calculation:** The amount is the same as the instalment of the agreed bus service contribution that is secured upon occupation of the permitted residential development that this development would replace.

**£19,460 Public Transport Infrastructure Contribution** indexed from April 2017 using Baxter Index

**Towards:** Provision of bus stop infrastructure serving the site.

**Justification:** Needed to provide sustainable transport options to the site, and as part of the overall public transport strategy for the NW Bicester policy allocation.

**Calculation:** The amount is the same as the instalment of the agreed bus infrastructure contribution that is secured upon occupation of the permitted residential development that this development would replace.

**£2,846 Public Rights of Way Contribution** indexed from April 2017 using Baxter Index  
**Towards:** Improvements to Ardley Bridleway 9 and Bucknell Bridleway 4

**Justification:** This is necessary to ensure that the site continues to pay a proportionate contribution to the overall public rights of way improvements required for the NW Bicester policy allocation.

**Calculation:** The amount is the same as the public rights of way contribution that is secured upon occupation of the permitted residential development that this development would replace.

**£5,271 Travel Plan Monitoring Fee** indexed from December 2020 using RPI-x

**Justification:** The site will require a framework travel plan and individual travel plans for the two largest units. The fee is required to cover OCC's costs of monitoring the travel plans over their life.

**Calculation:** The amount is based on standard charging scales, which are in turn calculated on the basis of officer time at cost.

### **S278 Highway Works:**

An obligation to enter into a S278 Agreement will be required to secure mitigation/improvement works for pedestrian/cycle facilities and a signalised crossing on Howes Lane. A drawing will need to be submitted. This is to provide safe access in the interim situation, ahead of the opening of the SLR.

### **Notes:**

This is to be secured by means of S106 restriction not to implement development (or occasionally other trigger point) until S278 agreement has been entered into.

The trigger by which time S278 works are to be completed shall also be included in the S106 agreement.

Identification of areas required to be dedicated as public highway and agreement of all relevant landowners will be necessary in order to enter into the S278 agreements.

### **Planning Conditions:**

In the event that permission is to be given, the following planning conditions should be attached:

Prior to occupation an updated Framework Travel Plan shall be submitted to and approved by the Local Planning Authority, and within three months of occupation of the individual units Travel Plan(s) and / or Travel Plan Statements shall be submitted to and approved by the Local Planning Authority. The development shall be implemented in accordance with the approved travel plans.

Cycle parking - requiring provision of secure, covered parking for an agreed number of spaces for each building/phase, to be provided prior to first occupation of each building/phase. Further discussion with OCC is recommended.

Pedestrian and cycle facilities - requiring approval of pedestrian and cycle facilities on the new roads within the site prior to commencement, together with a timetable for their delivery.

Construction traffic management plan

Prior to commencement of the development hereby approved, a Construction Traffic Management Plan (CTMP) shall be submitted to and approved in writing by the Local Planning Authority. Thereafter, the development shall not be carried out other than in accordance with the approved CTMP.

Reason: In the interests of highway safety and the residential amenities of neighbouring occupiers and to comply with Government guidance contained within the National Planning Policy Framework.

**Officer's Name: Joy White**

**Officer's Title:** Principal Transport Planner

**Date: 24 November 2021**

**Application no: 21/03177/F**

**Location:** Full planning application for employment development (Use Classes E(g)(iii), B2 and/or B8) and associated parking and servicing, landscaping and associated works

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## **Lead Local Flood Authority**

### **Recommendation:**

Objection

### **Detailed comments:**

Unable to find plan showing the exceedance flood routes.

Calculations provided do not indicate the impermeable area used.

Calculations must show the Max Volume column in the simulation results.

As this is a full application, we expect to have definite indication of all SuDS that will be installed as part of the development. Where SuDS cannot be implemented, valid justification must be provided.

A detailed surface water management strategy must be submitted in accordance with the [Local Standards and Guidance for Surface Water Drainage on Major Development in Oxfordshire](#)

In line with this guidance, runoff must be managed at source (i.e. close to where it falls) with residual flows then conveyed downstream to further storage or treatment components, where required. The proposed drainage should mimic the existing drainage regime of the site as much as possible.

In the guidance book, there's a checklist of everything that must be submitted as part of the full application. Please make sure all items on the checklist are submitted so that we can fully assess the strategy provided.

**Officer's Name: Sujeenthan Jeevarangan**

**Officer's Title:** LLFA Planning Engineer

**Date:** 23 November 2021

**Application no: 21/03177/F**

**Location:** Full planning application for employment development (Use Classes E(g)(iii), B2 and/or B8) and associated parking and servicing, landscaping and associated works

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## **LOCAL MEMBERS VIEWS.**

**Cllr. Les Sibley, also on behalf of Cllrs Michael Waine and Donna Ford**

### **Bicester West**

Comments with regards to the CDC planning application No 21/03177/F- Axis J9 Phase 3 Howes Lane, Bicester

This planning application has a high level of public interest and concern amongst Bicester Residents.

Bicester Town Council strongly objects to this Planning Application.

This speculative planning application for industrial warehouses on a site earmarked for housing is premature and contrary to both the NW Bicester Master Plan and Bicester Policy 1 of the adopted Cherwell Local Plan.

No further planning applications are allowed on the NW Bicester site other than those applications which have already been approved by the local planning authority (Cherwell District Council) until the new realigned Howes Lane has been constructed.

Last April, it was a fantastic engineering feat over 72 hours to install an under bridge and underpass through the railway embankment at Howes Lane Bicester. This scheme will facilitate the re-alignment of the A4095 Howes Lane that will deliver thousands of zero carbon neutral homes, a fit for purpose road network, social infrastructure and improve essential access links for pedestrians, cyclists, and motorists across the 6,000 home ECO development at NW Bicester.

The proposed application site has an existing planning permission to build 150 residential units as part of the 6,000 home ECO development at the NW Bicester site.

The scale and height of the 11 warehouse buildings that range from 8 -12 metres in height will have an unacceptable landscape impact which will in turn impact on the amenity of existing and new residents.

The proposals are contrary to the Cherwell Local Plan para B42, the supporting text to SLE 1 which states that in all cases very careful consideration should be given to locating employment and housing in close proximity as unacceptable adverse effects on the amenity of residential properties will not be permitted.

The adverse impact the proposed development will have on the character and appearance of the area.

The proposed development by its size scale, height, massing, design, and visual impact will dominate the street scene and blight the skyline.

The proposed development will be built on land at high risk of flooding. During the past few years, the existing Howes Lane, and the Greenwood housing estate has suffered from severe flooding incidents which resulted in residential homes being damaged by excessive amounts of flood water.

The loss of Green Infrastructure and the impact the proposed development will have the Local Walking Cycling Infrastructure Plan (LWCIP) and the internal bus network throughout the NW Bicester.

The adverse impact that the proposed development will have on the large Secondary School site, sport pitches, shops, health, and community centres by marginalising them from the residential development. Concerns for the safety of school children and parents having to use an industrial business park as part of the route to new School.

The adverse impact that the proposed industrial development will have on the road network by traffic congestion, noise, air and light pollution.

The key priority to unlocking the full potential of the 6,000 home ECO development on the NW Bicester site is to get on and build the A4095 Strategic Link Road ( new re-aligned Howes Lane) without any further delay.

The proposal to build storage and distribution units on a site zoned for housing is unacceptable and would unnecessarily and unjustifiably erode the ambitions of the Local Plan.

The proposal is contrary to Policy SLE1 and Policy Bicester 1 of the Cherwell Local Plan, and the National Planning Policy Framework (NPPF)

The comments listed above are supported by my fellow Bicester County Councillors Michael Waine and Donna Ford.

## **Appendix B**



NOTES

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Subject to Statutory Approvals.

Subject to Highways Development.

- Parameters Boundary
- Planning Site Boundary
- Ownership Boundary
- Notional Boundary
- Hedgerow Protection
- SLR License
- - - 2.5m high acoustic fence
- - - 4m high acoustic fence with acoustic gates
- - - 1.5m high timber post and rail fence

L	Unit 1 Cycle parking relocated closer to the building	SM	08/02/2022
K	Planning boundary updated to include howes lane crossing	SM	04/02/2022
J	Minor adjustments to radii.	SM	01/02/2022
H	Enhanced pathway to include cycle path & crossing point to Howes Lane.	SM	25/01/2022
G	Area Schedule Corrected	SK	02/11/2021
F	Site Boundary Updated	CS	02/09/2021
E	Site Boundary updated	CS	31/08/2021
D	Acoustic fences added	SK	20/08/2021
C	Sheet number amended. Road layout updated. Areas updated.	SK	16/08/2021
B	Paving around units 1-3 yards adjusted. Acoustic fence added and landscaping adjusted between units 10 and 11.	SK	29/07/2021
A	Units 6-11 moved further into the site to achieve 10m buffer to eastern site ownership boundary	SK	16/07/2021
Rev	Description	Chk	Date

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RIBA Chartered Practice

cornisharchitects

Project Title: PHASE 3 AXIS J9 BICESTER

Drawing Title: PROPOSED SITE PLAN

Drawing Status: TOWN PLANNING

Scale: 0 10 metres 80

Drawn By: S K 1:1000 @ A1 Date: 08/07/2021 Chk'd By: C S

ALBION LAND

Drawing No: 20019 - TP - 002 Rev: L

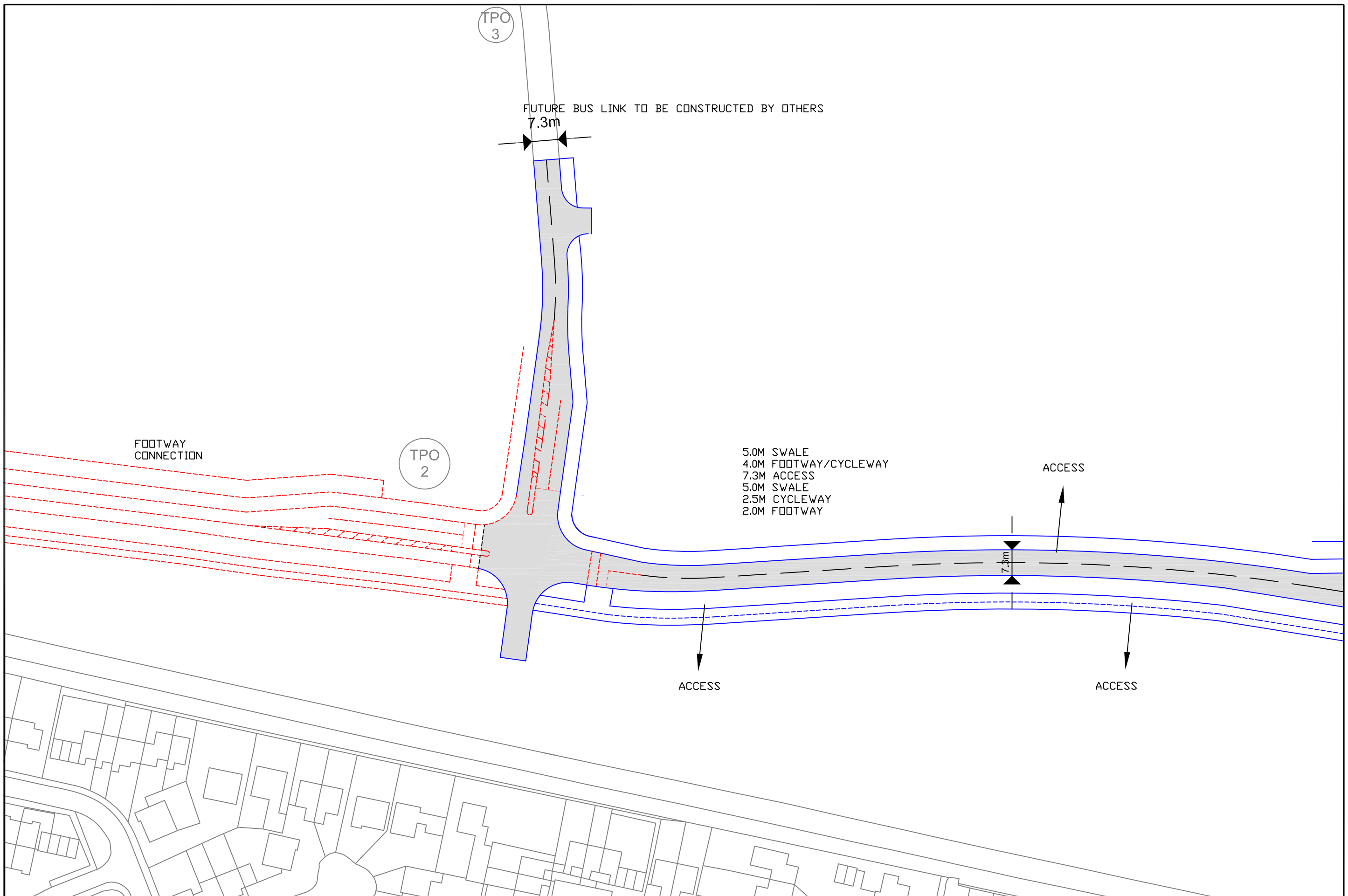
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UNIT	Ground Floor GEA sm	Ground Floor GEA sf	First Floor GEA sm	First Floor GEA sf	Second Floor GEA sm	Second Floor GEA sf	Total Unit GEA sm	Total Unit GEA sf	Ground Floor GIA sm	Ground Floor GIA sf	First Floor GIA sm	First Floor GIA sf	Second Floor GIA sm	Second Floor GIA sf	Total Unit GIA sm	Total Unit GIA sf	Car Parking
1	1830	19698	224	2411	0	0	2054	22109	1759	18934	195	2104	0	0	1954	21038	23
2	1665	17922	202	2174	0	0	1867	20096	1613	17362	179	1929	0	0	1792	19291	21
3	1717	18482	211	2271	0	0	1928	20753	1650	17761	183	1973	0	0	1833	19734	21
4	4412	47491	272	2928	272	2928	4956	53346	4278	46048	238	2558	238	2558	4753	51165	53
5	3552	38234	478	5145	0	0	4030	43379	3433	36953	423	4553	0	0	3856	41506	42
6	527	5673	0	0	0	0	527	5673	491	5285	0	0	0	0	491	5285	8
7	518	5576	0	0	0	0	518	5576	492	5296	0	0	0	0	492	5296	8
8	437	4704	0	0	0	0	437	4704	412	4435	0	0	0	0	412	4435	8
9	351	3778	0	0	0	0	351	3778	328	3531	0	0	0	0	328	3531	7
10	466	5016	0	0	0	0	466	5016	430	4829	0	0	0	0	430	4829	8
11	651	7007	0	0	0	0	651	7007	600	6458	0	0	0	0	600	6458	7
TOTAL	16126	173580	1387	14930	272	2928	17785	191438	15486	166691	1219	13118	238	2558	16942	182367	206



## **Appendix C**



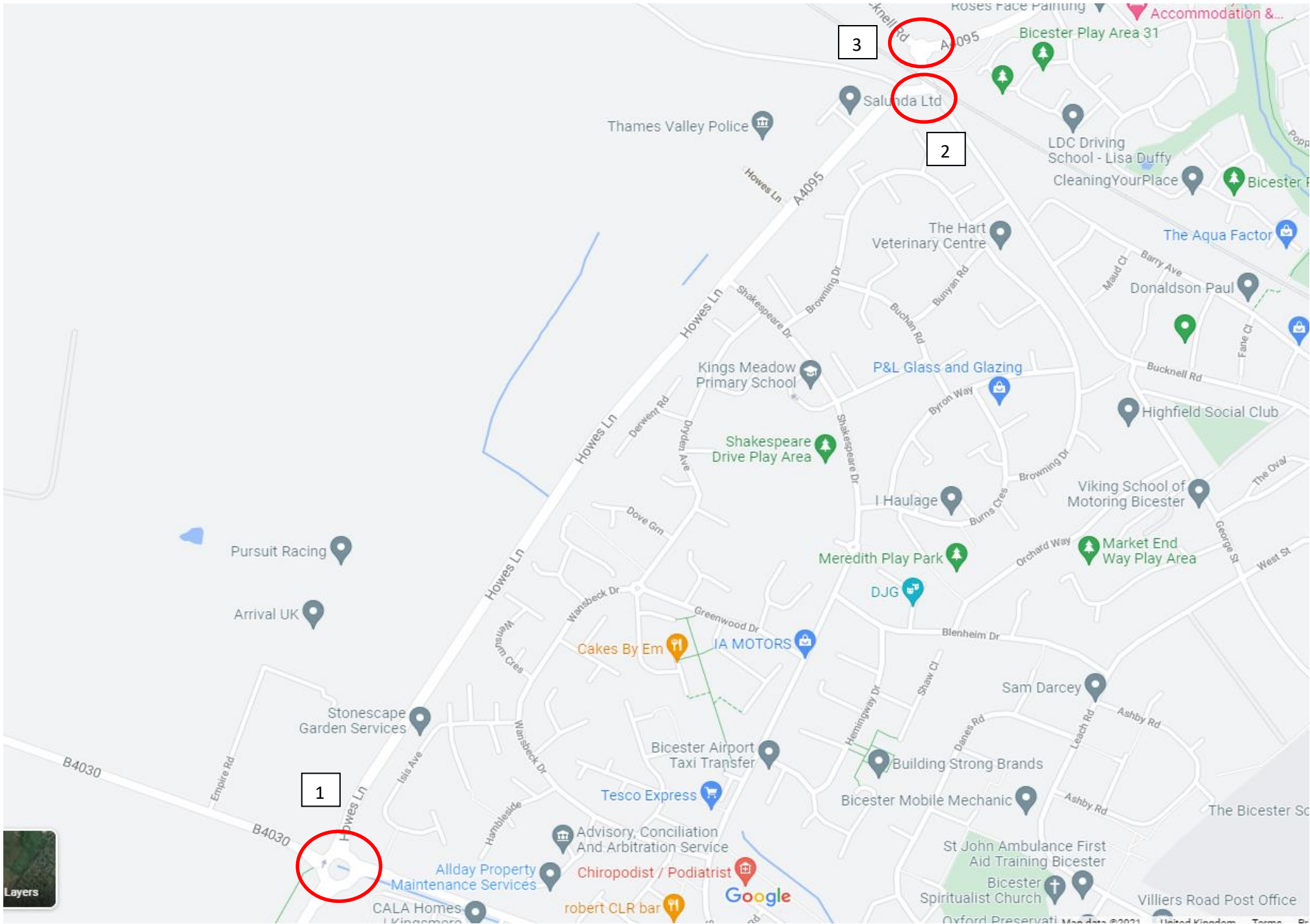
Based upon the ORDNANCE SURVEY MAPS with the permission of THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE  
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REV	DESCRIPTION	DRAWN	INITIALS	DATE	DRAWING STATUS	CHECKED BY	DATE

**david tucker associates**  
 transport planning consultants  
 Forester House, Doctors Lane,  
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 Tel: +44(0)1564 793598  
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JOB TITLE	Howes Lane, Bicester	CLIENT	Albion Land
DRAWING TITLE	Highway Infrastructure Post North West Bicester link road		
SCALE	DRAWN BY	DATE	DRAWING No
1/1000@A3	BP	Sept2014	14042-25-2
REVISION			

## Appendix D

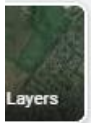


1

3

2

Salunda Ltd



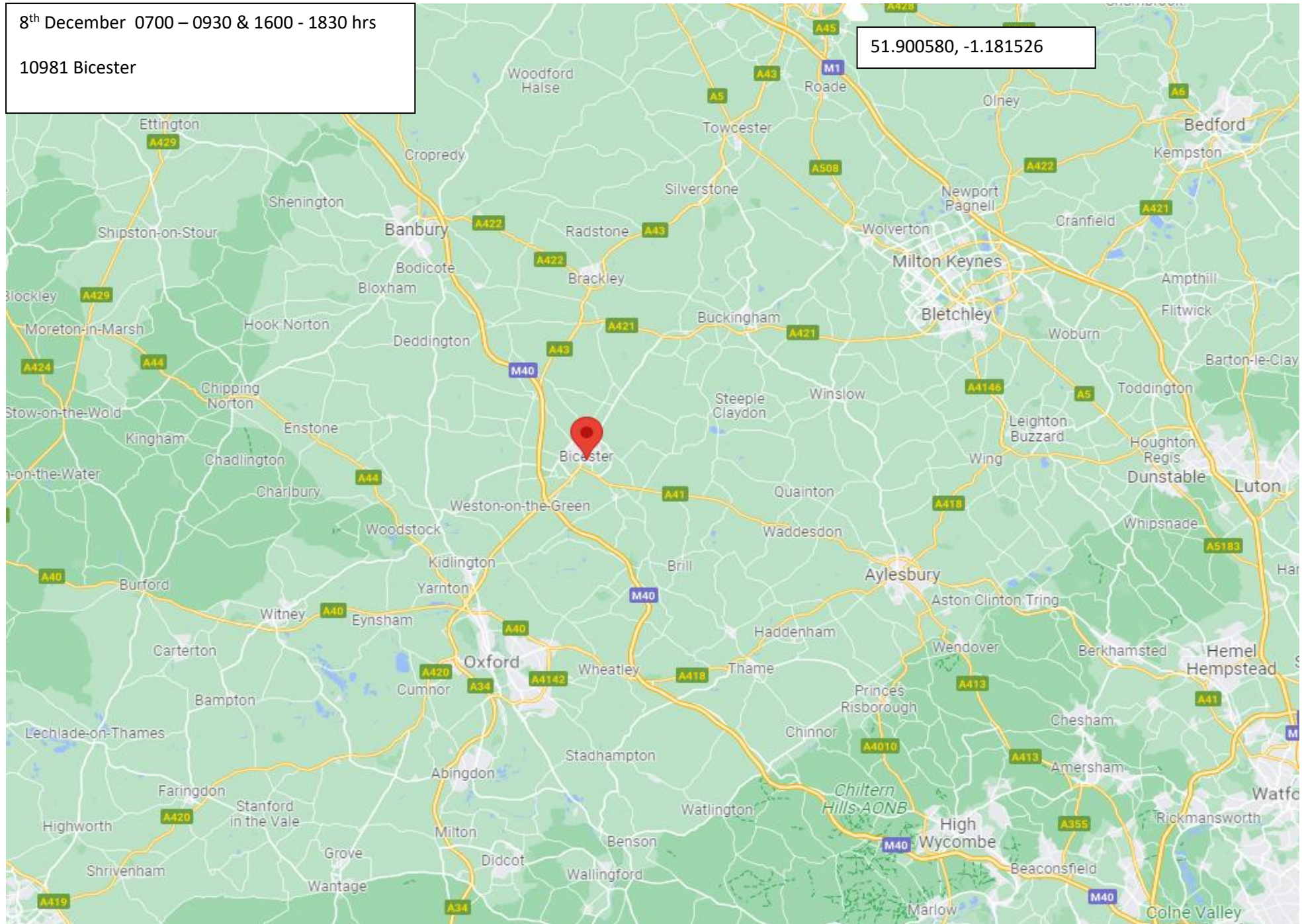
Layers



8<sup>th</sup> December 0700 – 0930 & 1600 - 1830 hrs

10981 Bicester

51.900580, -1.181526





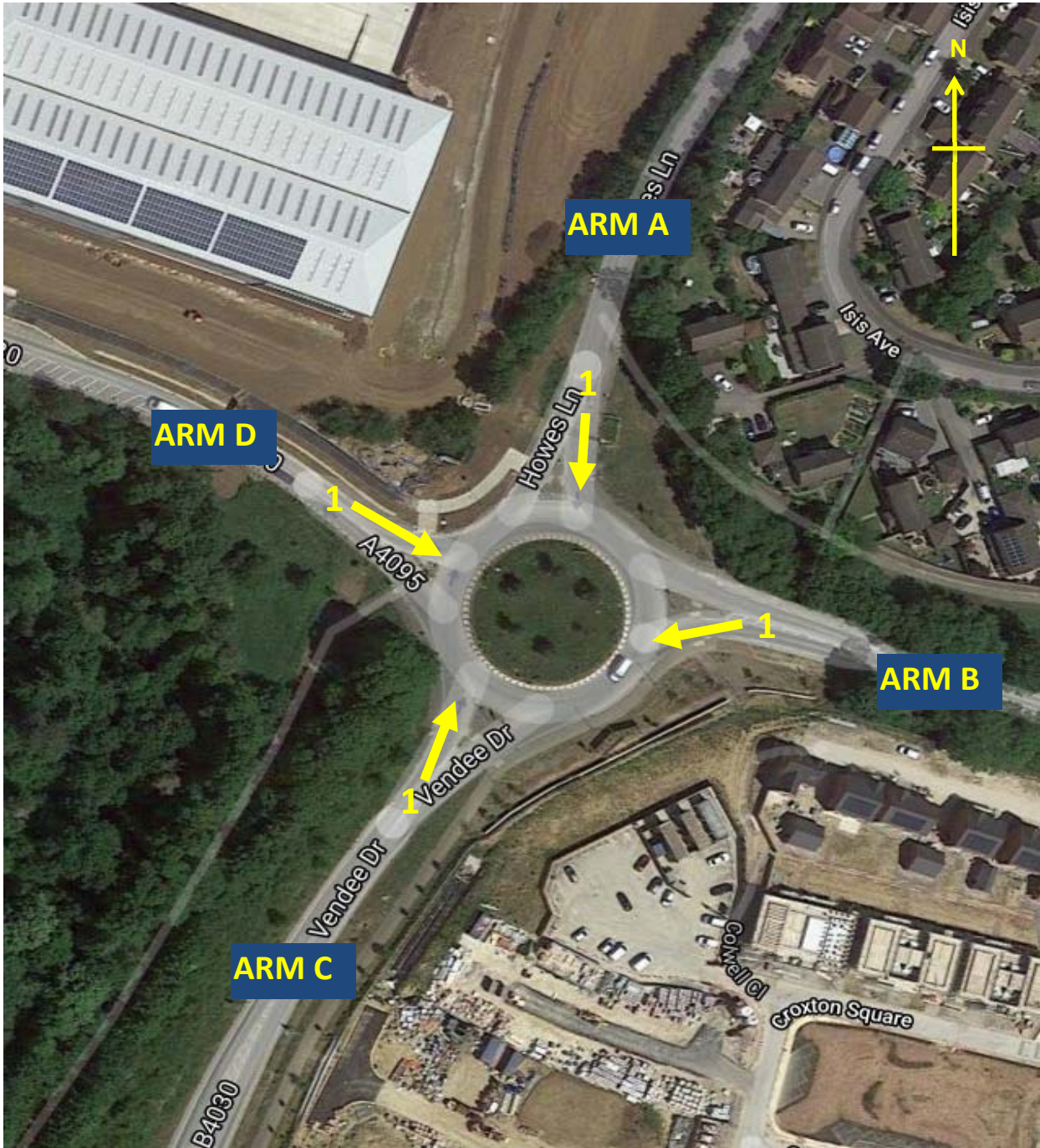
SITE: 1



DATE: 8TH DECEMBER 2021

LOCATION:  
HOWES LN / MIDDLETON  
STONE RD / VENDEE DR /  
B4030

DAY: WEDNESDAY



JOB TITLE: BICESTER

JOB NUMBER: 10981

# QUEUE LENGTHS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE:

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY:

NOTE: Queue Lengths recorded by the number of vehicles queuing at each 5-minute interval, by lane

TIME	ARM A	ARM B	ARM C	ARM D	TIME	ARM A	ARM B	ARM C
	HOWES LN	MIDDLETON STONEY RD	VENDEE DR	B4030		HOWES LN	MIDDLETON STONEY RD	VENDEE DR
	LANE 1	LANE 1	LANE 1	LANE 1		LANE 1	LANE 1	LANE 1
07:00	4	3	0	0	16:00	5	0	3
07:05	5	2	1	1	16:05	8	5	2
07:10	3	4	1	0	16:10	5	4	2
07:15	2	6	1	1	16:15	3	2	4
07:20	11	7	0	2	16:20	6	2	1
07:25	12	14	1	2	16:25	6	2	4
07:30	12	6	3	2	16:30	4	2	4
07:35	5	9	5	2	16:35	6	1	8
07:40	5	4	1	2	16:40	3	2	2
07:45	7	4	1	4	16:45	11	7	3
07:50	8	4	3	2	16:50	4	3	6
07:55	13+	5	3	3	16:55	5	2	2
08:00	6	16	3	2	17:00	8	1	2
08:05	6	4	4	5	17:05	7	5	6
08:10	9	2	3	3	17:10	4	2	2
08:15	11	5	4	3	17:15	6	2	5
08:20	3	8	4	5	17:20	13	2	18
08:25	6	3	3	3	17:25	5	2	4
08:30	9	2	5	4	17:30	3	2	1
08:35	7	6	2	4	17:35	1	2	2
08:40	9	5	3	6	17:40	12	3	3
08:45	13+	3	5	6	17:45	7	2	9
08:50	13+	4	1	6	17:50	3	4	4
08:55	8	4	3	3	17:55	6	2	4
09:00	8	3	2	4	18:00	3	2	4



# QUEUE LENGTHS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE:

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY:

NOTE: Queue Lengths recorded by the number of vehicles queuing at each 5-minute interval, by lane

TIME	ARM A	ARM B	ARM C	ARM D	TIME	ARM A	ARM B	ARM C
	HOWES LN	MIDDLETON STONEY RD	VENDEE DR	B4030		HOWES LN	MIDDLETON STONEY RD	VENDEE DR
	LANE 1	LANE 1	LANE 1	LANE 1		LANE 1	LANE 1	LANE 1
09:05	7	3	1	2	18:05	10	2	5
09:10	6	3	2	2	18:10	9	3	2
09:15	8	2	4	2	18:15	1	2	2
09:20	2	5	0	0	18:20	3	2	2
09:25	2	1	0	3	18:25	4	2	1

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	A TO A FROM HOWES LN TO HOWES LN								A TO B FROM HOWES LN TO MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	0	0	0	0	0	0	0	0	4	2	1	1	0	0	0	8
07:15	0	0	0	0	0	0	0	0	8	2	1	1	0	0	0	12
07:30	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	9
07:45	0	0	0	0	0	0	0	0	12	4	1	0	0	0	0	17
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>13</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46</b>
08:00	0	0	0	0	0	0	0	0	10	2	1	0	0	0	1	14
08:15	0	0	0	0	0	0	0	0	16	6	1	0	0	0	0	23
08:30	0	0	0	0	0	0	0	0	13	3	0	1	0	0	0	17
08:45	0	0	0	0	0	0	0	0	29	3	0	0	0	0	0	32
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>14</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>86</b>
09:00	0	0	0	0	0	0	0	0	14	3	1	0	0	0	0	18
09:15	0	0	0	0	0	0	0	0	7	0	2	1	0	0	0	10
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
<b>P/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117</b>	<b>30</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>160</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	A TO A FROM HOWES LN TO HOWES LN								A TO B FROM HOWES LN TO MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	0	0	0	0	0	0	0	0	11	1	0	0	0	0	0	12
16:15	0	0	0	0	0	0	0	0	13	3	0	0	0	0	0	16
16:30	0	0	0	0	0	0	0	0	15	4	0	0	0	0	0	19
16:45	0	0	0	0	0	0	0	0	9	2	0	0	0	0	0	11
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>
17:00	0	0	0	0	0	0	0	0	15	2	0	0	1	0	0	18
17:15	0	0	0	0	0	0	0	0	18	2	1	0	0	0	0	21
17:30	0	0	0	0	0	0	0	0	16	2	0	0	0	0	0	18
17:45	0	0	0	0	0	0	0	0	11	1	0	1	0	0	0	13
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>70</b>
18:00	0	0	0	0	0	0	0	0	15	1	0	0	0	0	0	16
18:15	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	7
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>
<b>P/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>151</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	A TO C FROM HOWES LN TO VENDEE DR								A TO D FROM HOWES LN TO B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	102	30	5	2	0	0	0	139	7	5	0	1	2	0	0	15
07:15	122	43	9	5	0	1	0	180	5	1	0	0	1	0	0	7
07:30	109	37	3	1	0	0	0	150	14	6	0	0	0	0	0	20
07:45	105	32	4	3	0	2	0	146	23	3	0	0	1	0	0	27
<b>H/TOT</b>	<b>438</b>	<b>142</b>	<b>21</b>	<b>11</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>615</b>	<b>49</b>	<b>15</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>69</b>
08:00	122	24	4	3	0	0	0	153	35	4	1	0	0	0	0	40
08:15	122	22	2	1	0	0	0	147	27	3	1	0	0	0	0	31
08:30	106	25	6	2	1	0	0	140	20	2	2	0	0	0	0	24
08:45	123	21	6	3	0	1	0	154	19	5	0	1	0	0	0	25
<b>H/TOT</b>	<b>473</b>	<b>92</b>	<b>18</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>594</b>	<b>101</b>	<b>14</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>
09:00	119	20	8	2	0	0	1	150	10	2	4	0	0	0	1	17
09:15	67	19	3	4	0	1	0	94	8	3	0	0	0	0	0	11
<b>H/TOT</b>	<b>186</b>	<b>39</b>	<b>11</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>244</b>	<b>18</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>28</b>
<b>P/TOT</b>	<b>1097</b>	<b>273</b>	<b>50</b>	<b>26</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1453</b>	<b>168</b>	<b>34</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>217</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	A TO C FROM HOWES LN TO VENDEE DR								A TO D FROM HOWES LN TO B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	72	12	2	5	0	0	0	91	17	2	0	0	0	0	0	19
16:15	62	17	3	1	0	0	0	83	14	2	0	0	0	0	0	16
16:30	58	7	2	0	0	0	0	67	12	2	2	0	0	0	0	16
16:45	72	13	2	3	0	0	0	90	16	3	0	0	0	0	0	19
<b>H/TOT</b>	<b>264</b>	<b>49</b>	<b>9</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>331</b>	<b>59</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>
17:00	67	5	1	2	0	0	0	75	17	4	1	0	0	0	0	22
17:15	83	9	1	0	0	0	0	93	18	2	0	0	0	0	0	20
17:30	87	9	1	0	0	0	0	97	15	2	0	0	0	0	0	17
17:45	82	2	1	2	0	0	0	87	22	0	0	0	0	0	0	22
<b>H/TOT</b>	<b>319</b>	<b>25</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>352</b>	<b>72</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>
18:00	70	6	3	3	0	0	0	82	15	1	1	0	0	0	0	17
18:15	62	10	1	0	0	0	0	73	9	1	1	0	0	0	0	11
<b>H/TOT</b>	<b>132</b>	<b>16</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>155</b>	<b>24</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
<b>P/TOT</b>	<b>715</b>	<b>90</b>	<b>17</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>838</b>	<b>155</b>	<b>19</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>179</b>





# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	B TO C FROM MIDDLETON STONEY RD TO VENDEE DR								B TO D FROM MIDDLETON STONEY RD TO B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	20	5	2	0	0	0	1	28	15	5	1	0	0	0	0	21
07:15	35	13	0	0	0	0	0	48	34	5	0	1	1	0	0	41
07:30	30	6	0	0	1	1	0	38	29	7	2	0	1	0	0	39
07:45	34	6	1	0	0	0	0	41	42	9	1	2	0	1	0	55
<b>H/TOT</b>	<b>119</b>	<b>30</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>155</b>	<b>120</b>	<b>26</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>156</b>
08:00	43	4	0	0	0	0	0	47	23	5	1	0	1	0	0	30
08:15	30	3	1	0	0	0	0	34	26	5	0	1	0	0	1	33
08:30	34	7	0	1	0	0	0	42	23	1	1	1	0	0	0	26
08:45	21	4	2	0	0	0	0	27	21	3	2	0	0	0	0	26
<b>H/TOT</b>	<b>128</b>	<b>18</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>93</b>	<b>14</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>115</b>
09:00	17	5	0	1	0	0	0	23	20	3	3	4	1	1	0	32
09:15	21	5	0	0	0	0	0	26	16	3	1	1	0	0	0	21
<b>H/TOT</b>	<b>38</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>36</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>53</b>
<b>P/TOT</b>	<b>285</b>	<b>58</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>354</b>	<b>249</b>	<b>46</b>	<b>12</b>	<b>10</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>324</b>



# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	B TO C FROM MIDDLETON STONEY RD TO VENDEE DR								B TO D FROM MIDDLETON STONEY RD TO B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	20	5	1	0	0	0	0	26	32	11	0	0	0	0	0	43
16:15	17	3	0	0	0	1	0	21	19	6	2	0	1	0	0	28
16:30	13	3	0	0	0	0	0	16	32	5	1	1	0	0	0	39
16:45	20	3	0	0	0	0	0	23	30	0	0	0	0	0	0	30
<b>H/TOT</b>	<b>70</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>86</b>	<b>113</b>	<b>22</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>140</b>
17:00	28	4	0	0	0	0	0	32	24	3	0	0	0	0	0	27
17:15	23	3	0	0	0	0	0	26	46	2	0	0	0	0	0	48
17:30	25	1	0	0	0	0	0	26	23	1	0	0	0	0	0	24
17:45	22	1	1	0	0	0	0	24	31	0	1	1	0	1	0	34
<b>H/TOT</b>	<b>98</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>108</b>	<b>124</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>133</b>
18:00	19	3	1	0	0	0	0	23	32	0	0	0	0	0	0	32
18:15	13	0	1	0	0	0	0	14	34	0	0	0	0	0	0	34
<b>H/TOT</b>	<b>32</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>66</b>
<b>P/TOT</b>	<b>200</b>	<b>26</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>231</b>	<b>303</b>	<b>28</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>339</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	C TO A FROM VENDEE DR TO HOWES LN								C TO B FROM VENDEE DR TO MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	16	8	2	0	0	0	0	26	8	2	1	0	0	0	0	11
07:15	14	8	2	5	0	0	0	29	16	4	3	0	0	0	0	23
07:30	27	6	1	2	1	0	0	37	17	3	1	1	0	0	0	22
07:45	45	15	1	1	0	0	0	62	14	7	1	0	0	0	0	22
<b>H/TOT</b>	<b>102</b>	<b>37</b>	<b>6</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>154</b>	<b>55</b>	<b>16</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>
08:00	65	15	1	0	0	0	0	81	21	5	1	0	1	0	0	28
08:15	74	10	1	0	1	0	0	86	26	6	1	1	0	0	0	34
08:30	58	5	5	2	1	0	0	71	21	4	2	0	0	0	0	27
08:45	60	4	1	3	0	0	0	68	32	8	2	1	0	0	0	43
<b>H/TOT</b>	<b>257</b>	<b>34</b>	<b>8</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>306</b>	<b>100</b>	<b>23</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>132</b>
09:00	45	12	4	2	0	0	0	63	18	4	4	0	0	0	0	26
09:15	33	3	1	2	0	0	0	39	10	4	0	0	0	0	1	15
<b>H/TOT</b>	<b>78</b>	<b>15</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>28</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>41</b>
<b>P/TOT</b>	<b>437</b>	<b>86</b>	<b>19</b>	<b>17</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>562</b>	<b>183</b>	<b>47</b>	<b>16</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>251</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	C TO A FROM VENDEE DR TO HOWES LN								C TO B FROM VENDEE DR TO MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	50	25	2	1	0	0	1	79	31	7	1	0	0	0	0	39
16:15	87	27	2	0	0	0	0	116	28	6	2	0	0	0	0	36
16:30	103	23	4	0	0	0	0	130	32	9	1	0	0	1	0	43
16:45	101	26	1	4	0	0	0	132	30	8	0	0	0	0	0	38
<b>H/TOT</b>	<b>341</b>	<b>101</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>457</b>	<b>121</b>	<b>30</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>156</b>
17:00	119	24	2	0	0	0	0	145	38	9	1	0	0	0	0	48
17:15	101	17	6	1	0	0	0	125	45	9	0	0	0	0	0	54
17:30	85	14	1	0	1	0	0	101	34	2	0	0	0	0	0	36
17:45	106	13	2	1	0	1	0	123	31	4	0	0	0	0	0	35
<b>H/TOT</b>	<b>411</b>	<b>68</b>	<b>11</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>494</b>	<b>148</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173</b>
18:00	93	6	0	0	0	1	0	100	33	4	0	0	0	0	0	37
18:15	82	4	1	1	0	0	0	88	26	1	1	0	0	0	0	28
<b>H/TOT</b>	<b>175</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>188</b>	<b>59</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65</b>
<b>P/TOT</b>	<b>927</b>	<b>179</b>	<b>21</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1139</b>	<b>328</b>	<b>59</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>394</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	C TO C FROM VENDEE DR TO VENDEE DR								C TO D FROM VENDEE DR TO B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12
07:15	0	0	0	0	0	0	0	0	15	4	1	1	0	0	0	21
07:30	0	0	0	0	0	0	0	0	9	6	2	1	1	0	0	19
07:45	0	0	0	0	0	0	0	0	15	4	1	1	0	0	0	21
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>14</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>73</b>
08:00	0	0	0	0	0	0	0	0	22	5	2	0	0	0	0	29
08:15	0	0	0	0	0	0	0	0	11	3	1	1	0	0	0	16
08:30	0	0	0	0	0	0	0	0	6	5	1	0	0	0	0	12
08:45	0	0	0	0	0	0	0	0	10	3	1	0	0	0	0	14
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>16</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71</b>
09:00	0	0	0	0	0	0	0	0	8	2	4	2	0	0	0	16
09:15	0	0	0	0	0	0	0	0	6	6	1	1	0	0	0	14
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>
<b>P/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114</b>	<b>38</b>	<b>14</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>174</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	C TO C FROM VENDEE DR TO VENDEE DR								C TO D FROM VENDEE DR TO B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	0	0	0	0	0	0	0	0	20	4	0	0	0	0	0	24
16:15	0	0	0	0	0	0	0	0	23	3	2	0	0	0	0	28
16:30	0	0	0	0	0	0	0	0	18	3	2	0	0	0	0	23
16:45	0	0	0	0	0	0	0	0	14	5	1	1	0	0	0	21
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>15</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>
17:00	0	0	0	0	0	0	0	0	19	5	0	0	0	0	0	24
17:15	0	0	0	0	0	0	0	0	19	1	0	0	0	0	0	20
17:30	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
17:45	0	0	0	0	0	0	0	0	14	3	0	0	0	0	0	17
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>66</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>
18:00	0	0	0	0	0	0	0	0	15	1	1	2	0	0	0	19
18:15	0	0	0	0	0	0	0	0	13	1	0	0	0	0	0	14
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>
<b>P/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169</b>	<b>26</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>204</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	D TO A FROM B4030 TO HOWES LN								D TO B FROM B4030 TO MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	6	2	0	0	0	0	0	8	23	4	0	0	0	0	0	27
07:15	7	3	0	0	0	0	0	10	23	3	0	1	2	0	0	29
07:30	5	0	0	1	0	0	0	6	19	3	1	0	0	0	0	23
07:45	10	4	1	0	0	0	0	15	24	7	2	0	0	0	0	33
<b>H/TOT</b>	<b>28</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>89</b>	<b>17</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>112</b>
08:00	16	0	0	0	0	0	0	16	26	3	2	2	0	0	0	33
08:15	22	2	0	0	0	0	0	24	30	4	0	1	1	0	0	36
08:30	28	4	1	0	0	0	0	33	30	2	0	2	1	0	0	35
08:45	12	2	1	2	1	0	0	18	35	7	1	1	1	1	0	46
<b>H/TOT</b>	<b>78</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>91</b>	<b>121</b>	<b>16</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>150</b>
09:00	10	3	1	0	0	0	0	14	25	5	0	1	0	0	0	31
09:15	7	1	0	1	0	0	0	9	15	6	2	1	0	0	0	24
<b>H/TOT</b>	<b>17</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>40</b>	<b>11</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>
<b>P/TOT</b>	<b>123</b>	<b>21</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>153</b>	<b>250</b>	<b>44</b>	<b>8</b>	<b>9</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>317</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	D TO A FROM B4030 TO HOWES LN								D TO B FROM B4030 TO MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	17	3	1	0	2	0	0	23	29	6	3	0	1	0	0	39
16:15	22	2	1	0	0	0	0	25	24	6	0	0	0	0	0	30
16:30	18	4	0	0	0	0	0	22	21	6	0	0	0	0	0	27
16:45	17	3	1	0	0	0	0	21	32	6	0	0	0	1	0	39
<b>H/TOT</b>	<b>74</b>	<b>12</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>91</b>	<b>106</b>	<b>24</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>135</b>
17:00	22	2	0	0	0	0	0	24	28	4	1	1	0	0	0	34
17:15	29	3	1	0	0	0	0	33	43	2	1	0	1	0	0	47
17:30	18	0	0	1	0	0	0	19	21	0	0	0	0	0	0	21
17:45	18	1	0	0	0	0	0	19	42	3	0	0	0	0	0	45
<b>H/TOT</b>	<b>87</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>95</b>	<b>134</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>147</b>
18:00	8	2	0	0	0	0	0	10	32	3	3	0	0	0	0	38
18:15	13	2	1	0	0	1	0	17	22	0	0	0	1	0	0	23
<b>H/TOT</b>	<b>21</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>27</b>	<b>54</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>61</b>
<b>P/TOT</b>	<b>182</b>	<b>22</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>213</b>	<b>294</b>	<b>36</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>343</b>







# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM A HOWES LN								FROM ARM A HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	27	11	2	0	0	0	0	40	113	37	6	4	2	0	0	162
07:15	26	12	3	5	0	0	0	46	135	46	10	6	1	1	0	199
07:30	37	6	2	4	3	0	0	52	127	48	3	1	0	0	0	179
07:45	69	21	2	1	0	0	0	93	140	39	5	3	1	2	0	190
<b>H/TOT</b>	<b>159</b>	<b>50</b>	<b>9</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>231</b>	<b>515</b>	<b>170</b>	<b>24</b>	<b>14</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>730</b>
08:00	94	15	1	0	0	0	0	110	167	30	6	3	0	0	1	207
08:15	114	12	2	3	1	0	0	132	165	31	4	1	0	0	0	201
08:30	108	13	6	2	1	0	0	130	139	30	8	3	1	0	0	181
08:45	87	8	2	5	1	0	0	103	171	29	6	4	0	1	0	211
<b>H/TOT</b>	<b>403</b>	<b>48</b>	<b>11</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>475</b>	<b>642</b>	<b>120</b>	<b>24</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>800</b>
09:00	62	16	5	2	0	0	0	85	143	25	13	2	0	0	2	185
09:15	44	5	1	4	0	0	0	54	82	22	5	5	0	1	0	115
<b>H/TOT</b>	<b>106</b>	<b>21</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>139</b>	<b>225</b>	<b>47</b>	<b>18</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>300</b>
<b>P/TOT</b>	<b>668</b>	<b>119</b>	<b>26</b>	<b>26</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>845</b>	<b>1382</b>	<b>337</b>	<b>66</b>	<b>32</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>1830</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM A HOWES LN								FROM ARM A HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	72	33	3	1	2	0	1	112	100	15	2	5	0	0	0	122
16:15	117	31	3	0	0	0	0	151	89	22	3	1	0	0	0	115
16:30	132	31	4	0	0	0	0	167	85	13	4	0	0	0	0	102
16:45	128	31	2	4	0	0	0	165	97	18	2	3	0	0	0	120
<b>H/TOT</b>	<b>449</b>	<b>126</b>	<b>12</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>595</b>	<b>371</b>	<b>68</b>	<b>11</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>459</b>
17:00	152	28	2	0	0	0	0	182	99	11	2	2	1	0	0	115
17:15	142	22	7	1	0	0	0	172	119	13	2	0	0	0	0	134
17:30	109	15	1	1	1	0	0	127	118	13	1	0	0	0	0	132
17:45	136	14	2	1	0	1	0	154	115	3	1	3	0	0	0	122
<b>H/TOT</b>	<b>539</b>	<b>79</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>635</b>	<b>451</b>	<b>40</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>503</b>
18:00	113	9	0	0	0	1	0	123	100	8	4	3	0	0	0	115
18:15	103	7	2	1	0	1	0	114	77	12	2	0	0	0	0	91
<b>H/TOT</b>	<b>216</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>237</b>	<b>177</b>	<b>20</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>206</b>
<b>P/TOT</b>	<b>1204</b>	<b>221</b>	<b>26</b>	<b>9</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1467</b>	<b>999</b>	<b>128</b>	<b>23</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1168</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM B MIDDLETON STONEY RD								FROM ARM B MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	35	8	2	1	0	0	0	46	40	11	3	0	0	0	1	55
07:15	47	9	4	2	2	0	0	64	74	19	1	1	1	0	0	96
07:30	40	11	2	1	0	0	0	54	64	13	3	1	4	1	0	86
07:45	50	19	4	0	0	0	0	73	90	18	2	2	0	1	0	113
<b>H/TOT</b>	<b>172</b>	<b>47</b>	<b>12</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>237</b>	<b>268</b>	<b>61</b>	<b>9</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>350</b>
08:00	57	10	4	2	1	0	1	75	79	9	1	0	1	0	0	90
08:15	73	16	2	2	1	0	0	94	75	8	2	4	0	0	1	90
08:30	65	9	2	3	1	0	0	80	80	12	1	2	0	0	0	95
08:45	96	18	3	2	1	1	0	121	57	9	4	0	0	0	0	70
<b>H/TOT</b>	<b>291</b>	<b>53</b>	<b>11</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>370</b>	<b>291</b>	<b>38</b>	<b>8</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>345</b>
09:00	57	12	5	1	0	0	0	75	44	9	3	5	1	1	0	63
09:15	33	10	4	2	0	0	1	50	42	9	1	2	0	0	0	54
<b>H/TOT</b>	<b>90</b>	<b>22</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>125</b>	<b>86</b>	<b>18</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>117</b>
<b>P/TOT</b>	<b>553</b>	<b>122</b>	<b>32</b>	<b>16</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>732</b>	<b>645</b>	<b>117</b>	<b>21</b>	<b>17</b>	<b>7</b>	<b>3</b>	<b>2</b>	<b>812</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM B MIDDLETON STONEY RD								FROM ARM B MIDDLETON STONEY RD							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	73	14	4	0	1	0	0	92	59	21	1	0	0	0	0	81
16:15	65	15	2	0	0	0	0	82	44	11	2	0	1	1	0	59
16:30	68	19	1	0	0	1	0	89	56	12	1	1	0	0	0	70
16:45	71	16	0	0	0	1	0	88	60	5	0	0	0	0	0	65
<b>H/TOT</b>	<b>277</b>	<b>64</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>351</b>	<b>219</b>	<b>49</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>275</b>
17:00	81	15	2	1	1	0	0	100	63	9	0	0	0	0	0	72
17:15	107	13	2	0	1	0	0	123	82	7	0	0	0	0	0	89
17:30	73	4	0	0	0	0	0	77	56	3	0	0	0	0	0	59
17:45	85	8	0	1	0	0	0	94	66	1	2	1	0	1	0	71
<b>H/TOT</b>	<b>346</b>	<b>40</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>394</b>	<b>267</b>	<b>20</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>291</b>
18:00	81	8	3	0	0	0	0	92	64	4	1	0	0	0	0	69
18:15	54	2	1	0	1	0	0	58	55	1	1	0	0	0	0	57
<b>H/TOT</b>	<b>135</b>	<b>10</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>119</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>126</b>
<b>P/TOT</b>	<b>758</b>	<b>114</b>	<b>15</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>895</b>	<b>605</b>	<b>74</b>	<b>8</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>692</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM C VENDEE DR								FROM ARM C VENDEE DR							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	130	37	7	2	0	0	1	177	36	10	3	0	0	0	0	49
07:15	168	58	13	5	0	1	0	245	45	16	6	6	0	0	0	73
07:30	147	47	5	2	1	1	0	203	53	15	4	4	2	0	0	78
07:45	150	43	7	3	0	2	0	205	74	26	3	2	0	0	0	105
<b>H/TOT</b>	<b>595</b>	<b>185</b>	<b>32</b>	<b>12</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>830</b>	<b>208</b>	<b>67</b>	<b>16</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>305</b>
08:00	176	28	5	6	0	0	0	215	108	25	4	0	1	0	0	138
08:15	166	26	5	1	0	0	0	198	111	19	3	2	1	0	0	136
08:30	152	33	11	3	1	0	0	200	85	14	8	2	1	0	0	110
08:45	151	28	8	3	0	1	0	191	102	15	4	4	0	0	0	125
<b>H/TOT</b>	<b>645</b>	<b>115</b>	<b>29</b>	<b>13</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>804</b>	<b>406</b>	<b>73</b>	<b>19</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>509</b>
09:00	141	27	10	3	0	0	1	182	71	18	12	4	0	0	0	105
09:15	98	27	4	6	0	1	0	136	49	13	2	3	0	0	1	68
<b>H/TOT</b>	<b>239</b>	<b>54</b>	<b>14</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>318</b>	<b>120</b>	<b>31</b>	<b>14</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>173</b>
<b>P/TOT</b>	<b>1479</b>	<b>354</b>	<b>75</b>	<b>34</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>1952</b>	<b>734</b>	<b>171</b>	<b>49</b>	<b>27</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>987</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM C VENDEE DR								FROM ARM C VENDEE DR							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	106	19	3	5	0	0	0	133	101	36	3	1	0	0	1	142
16:15	86	23	4	2	0	1	0	116	138	36	6	0	0	0	0	180
16:30	80	13	2	0	0	0	0	95	153	35	7	0	0	1	0	196
16:45	103	19	2	3	0	0	0	127	145	39	2	5	0	0	0	191
<b>H/TOT</b>	<b>375</b>	<b>74</b>	<b>11</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>471</b>	<b>537</b>	<b>146</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>709</b>
17:00	108	11	2	2	0	0	0	123	176	38	3	0	0	0	0	217
17:15	124	12	1	0	0	0	0	137	165	27	6	1	0	0	0	199
17:30	128	10	1	0	0	0	0	139	133	16	1	0	1	0	0	151
17:45	119	3	2	2	0	1	0	127	151	20	2	1	0	1	0	175
<b>H/TOT</b>	<b>479</b>	<b>36</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>526</b>	<b>625</b>	<b>101</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>742</b>
18:00	104	9	4	3	0	0	0	120	141	11	1	2	0	1	0	156
18:15	86	11	2	0	0	0	0	99	121	6	2	1	0	0	0	130
<b>H/TOT</b>	<b>190</b>	<b>20</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>219</b>	<b>262</b>	<b>17</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>286</b>
<b>P/TOT</b>	<b>1044</b>	<b>130</b>	<b>23</b>	<b>17</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1216</b>	<b>1424</b>	<b>264</b>	<b>33</b>	<b>11</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1737</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM D B4030								FROM ARM D B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	34	10	1	1	2	0	0	48	37	8	0	0	0	0	0	45
07:15	54	10	1	2	2	0	0	69	41	8	4	1	2	0	0	56
07:30	52	19	4	1	2	0	0	78	32	7	3	2	0	0	0	44
07:45	80	16	2	3	1	1	0	103	45	16	5	0	0	0	0	66
<b>H/TOT</b>	<b>220</b>	<b>55</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>298</b>	<b>155</b>	<b>39</b>	<b>12</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>211</b>
08:00	80	14	4	0	1	0	0	99	53	3	3	5	0	0	0	64
08:15	64	11	2	2	0	0	1	80	66	7	2	1	1	0	0	77
08:30	49	8	4	1	0	0	0	62	70	7	6	2	1	0	0	86
08:45	50	11	3	1	0	0	0	65	54	12	2	3	2	1	0	74
<b>H/TOT</b>	<b>243</b>	<b>44</b>	<b>13</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>306</b>	<b>243</b>	<b>29</b>	<b>13</b>	<b>11</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>301</b>
09:00	38	7	11	6	1	1	1	65	40	10	3	1	0	0	0	54
09:15	30	12	2	2	0	0	0	46	32	10	3	4	0	0	0	49
<b>H/TOT</b>	<b>68</b>	<b>19</b>	<b>13</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>111</b>	<b>72</b>	<b>20</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103</b>
<b>P/TOT</b>	<b>531</b>	<b>118</b>	<b>34</b>	<b>19</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>715</b>	<b>470</b>	<b>88</b>	<b>31</b>	<b>19</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>615</b>



# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 1

DATE: 08/12/2021

LOCATION: HOWES LN / MIDDLETON STONEY RD / VENDEE DR / B4030

DAY: WEDNESDAY

TIME	TO ARM D B4030								FROM ARM D B4030							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	69	17	0	0	0	0	0	86	60	11	4	0	3	0	0	78
16:15	56	11	4	0	1	0	0	72	53	11	2	1	0	0	0	67
16:30	62	10	5	1	0	0	0	78	48	13	0	0	0	0	0	61
16:45	60	8	1	1	0	0	0	70	60	12	1	0	0	1	0	74
<b>H/TOT</b>	<b>247</b>	<b>46</b>	<b>10</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>306</b>	<b>221</b>	<b>47</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>280</b>
17:00	60	12	1	0	0	0	0	73	63	8	2	1	0	0	0	74
17:15	83	5	0	0	0	0	0	88	90	5	2	0	1	0	0	98
17:30	52	3	0	0	0	0	0	55	55	0	0	1	0	0	0	56
17:45	67	3	1	1	0	1	0	73	75	4	0	0	0	1	0	80
<b>H/TOT</b>	<b>262</b>	<b>23</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>289</b>	<b>283</b>	<b>17</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>308</b>
18:00	62	2	2	2	0	0	0	68	55	5	3	0	0	0	0	63
18:15	56	2	1	0	0	0	0	59	46	3	1	0	1	1	0	52
<b>H/TOT</b>	<b>118</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>127</b>	<b>101</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>115</b>
<b>P/TOT</b>	<b>627</b>	<b>73</b>	<b>15</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>722</b>	<b>605</b>	<b>72</b>	<b>15</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>703</b>

SITE: 2

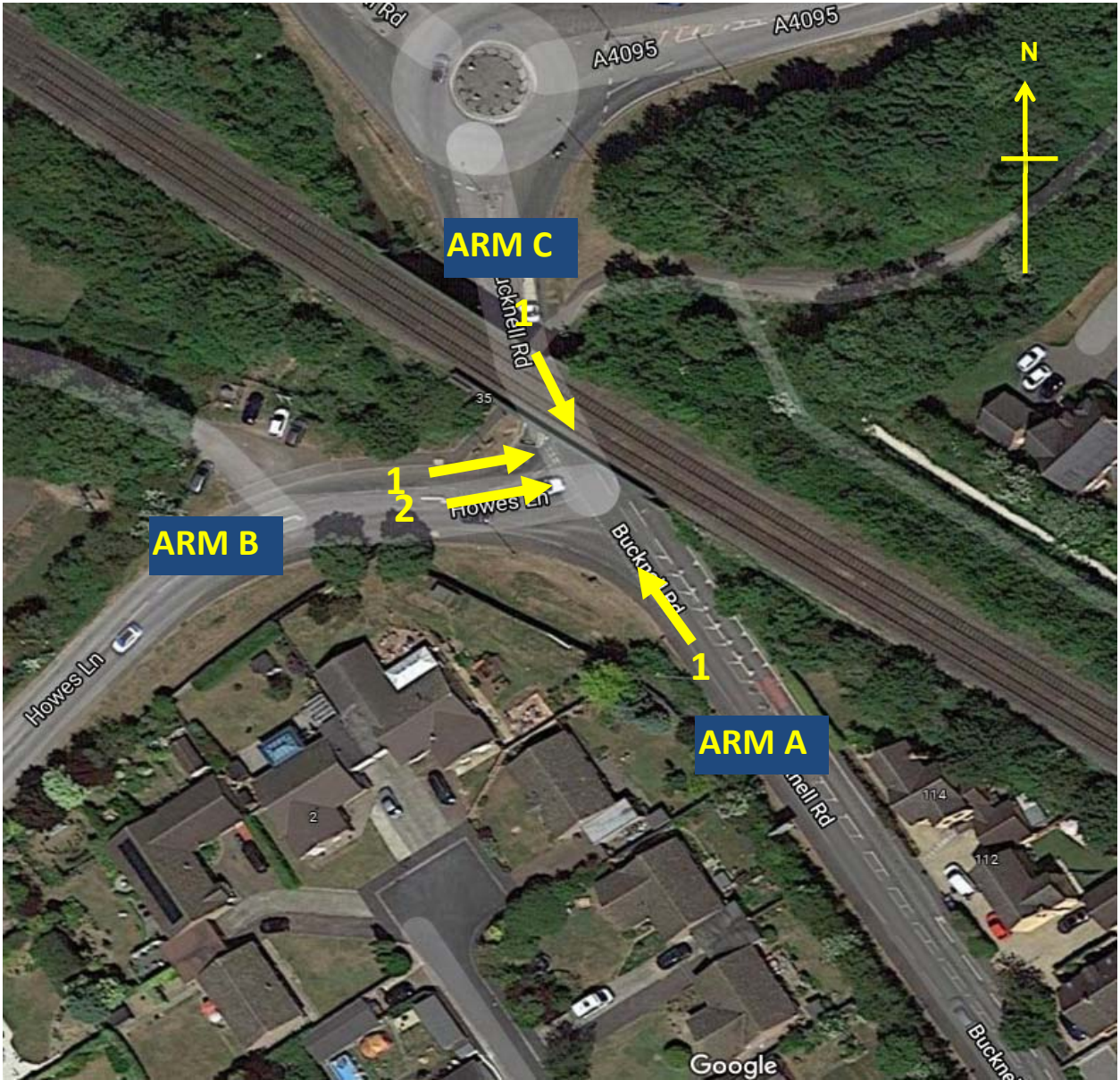


DATE: 8TH DECEMBER 2021

LOCATION:

HOWES LN / BUCKNELL RD

DAY: WEDNESDAY



JOB TITLE: BICESTER

JOB NUMBER: 10981

# QUEUE LENGTHS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

DATE: 08/12/2021

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DAY: WEDNESDAY

NOTE: Queue Lengths recorded by the maximum number of vehicles queuing at each 5-minute interval, by lane

TIME	ARM A	ARM B		ARM C	TIME	ARM A	ARM B		ARM C
	BUCKNELL RD (S)	HOWES LN		BUCKNELL RD (N)		BUCKNELL RD (S)	HOWES LN		BUCKNELL RD (N)
	LANE 1	LANE 1	LANE 2	LANE 1		LANE 1	LANE 1	LANE 2	LANE 1
07:00	0	2	1	2	16:00	0	3	0	7
07:05	0	3	0	5	16:05	0	17	1	7
07:10	0	3	1	6	16:10	0	27	2	6
07:15	0	4	1	5	16:15	0	15	2	5
07:20	0	2	1	6	16:20	0	13	2	3
07:25	0	3	0	7	16:25	0	9	3	4
07:30	0	3	0	3	16:30	0	4	1	2
07:35	0	4	0	6	16:35	0	22	1	7
07:40	0	4	2	3	16:40	0	23	2	7
07:45	0	4	0	4	16:45	0	7	1	2
07:50	0	5	1	7	16:50	0	2	1	5
07:55	0	3	1	7	16:55	0	26	2	3
08:00	0	4	1	6	17:00	0	28	1	8
08:05	0	8	1	7	17:05	1	40	2	5
08:10	0	10	1	7	17:10	0	27	1	7
08:15	0	8	2	6	17:15	0	13	2	6
08:20	0	4	1	6	17:20	0	12	2	7
08:25	0	12	2	7	17:25	0	5	1	5
08:30	0	7	1	7	17:30	0	14	1	7
08:35	0	13	2	7	17:35	0	18	3	8
08:40	0	8	2	5	17:40	0	6	1	4
08:45	0	10	1	6	17:45	0	15	1	6
08:50	0	10	1	7	17:50	0	8	1	7
08:55	0	10	3	8	17:55	0	5	1	7
09:00	0	4	1	8	18:00	0	2	1	3

## QUEUE LENGTHS

JOB REF: 10981



JOB NAME: BICESTER

SITE: 2

DATE: 08/12/2021

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DAY: WEDNESDAY

NOTE: Queue Lengths recorded by the maximum number of vehicles queuing at each 5-minute interval, by lane

TIME	ARM A	ARM B		ARM C	TIME	ARM A	ARM B		ARM C
	BUCKNELL RD (S)	HOWES LN		BUCKNELL RD (N)		BUCKNELL RD (S)	HOWES LN		BUCKNELL RD (N)
	LANE 1	LANE 1	LANE 2	LANE 1		LANE 1	LANE 1	LANE 2	LANE 1
09:05	0	8	3	8	18:05	0	8	1	6
09:10	0	1	1	4	18:10	0	4	1	3
09:15	0	4	1	4	18:15	0	3	1	2
09:20	0	6	0	3	18:20	0	2	1	0
09:25	0	1	0	4	18:25	0	3	1	3

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	A TO B FROM BUCKNELL RD (S) TO HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	7	3	2	0	0	0	0	12
07:15	11	1	0	0	0	0	0	12
07:30	8	3	0	0	0	0	1	12
07:45	12	1	2	0	0	1	0	16
<b>H/TOT</b>	<b>38</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>52</b>
08:00	25	1	0	0	0	0	0	26
08:15	18	2	0	0	0	0	1	21
08:30	20	5	0	0	0	0	0	25
08:45	15	0	1	0	0	0	0	16
<b>H/TOT</b>	<b>78</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>88</b>
09:00	10	5	0	0	0	0	0	15
09:15	7	1	0	1	0	0	0	9
<b>H/TOT</b>	<b>17</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>
<b>P/TOT</b>	<b>133</b>	<b>22</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>164</b>

TIME	A TO C FROM BUCKNELL RD (S) TO BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	16	3	1	0	0	0	0	20
07:15	29	7	1	0	0	0	0	37
07:30	31	6	4	0	0	0	0	41
07:45	34	8	1	0	0	0	0	43
<b>H/TOT</b>	<b>110</b>	<b>24</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>141</b>
08:00	32	3	0	0	0	0	0	35
08:15	40	2	2	0	0	0	0	44
08:30	31	3	1	0	0	0	0	35
08:45	43	5	1	0	0	0	0	49
<b>H/TOT</b>	<b>146</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163</b>
09:00	27	3	1	0	0	0	0	31
09:15	25	0	1	0	0	0	0	26
<b>H/TOT</b>	<b>52</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>
<b>P/TOT</b>	<b>308</b>	<b>40</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>361</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	A TO B FROM BUCKNELL RD (S) TO HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	9	1	0	1	0	0	0	11
16:15	10	0	1	0	0	0	0	11
16:30	10	0	0	0	0	0	0	10
16:45	6	0	0	0	0	0	0	6
<b>H/TOT</b>	<b>35</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>
17:00	5	1	0	0	0	0	0	6
17:15	7	2	0	0	0	0	0	9
17:30	8	0	0	0	0	0	0	8
17:45	15	0	0	0	0	0	0	15
<b>H/TOT</b>	<b>35</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>
18:00	8	0	0	0	0	0	0	8
18:15	10	1	1	0	0	0	0	12
<b>H/TOT</b>	<b>18</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>
<b>P/TOT</b>	<b>88</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>

TIME	A TO C FROM BUCKNELL RD (S) TO BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	38	3	0	0	0	0	1	42
16:15	33	4	0	0	0	0	0	37
16:30	35	1	0	1	0	0	0	37
16:45	26	4	0	0	0	0	0	30
<b>H/TOT</b>	<b>132</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>146</b>
17:00	34	5	1	0	0	0	0	40
17:15	23	2	0	0	0	0	0	25
17:30	29	5	0	0	0	0	0	34
17:45	28	3	0	0	0	0	0	31
<b>H/TOT</b>	<b>114</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130</b>
18:00	21	3	1	0	0	1	0	26
18:15	18	1	1	0	0	0	0	20
<b>H/TOT</b>	<b>39</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>46</b>
<b>P/TOT</b>	<b>285</b>	<b>31</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>322</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)



DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	B TO A								B TO C							
	FROM HOWES LN TO BUCKNELL RD (S)								FROM HOWES LN TO BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	2	1	0	0	0	0	0	3	48	11	3	0	0	0	0	62
07:15	2	1	0	0	0	0	0	3	39	12	2	4	0	0	0	57
07:30	2	0	0	0	0	0	0	2	61	14	3	5	2	0	0	85
07:45	3	0	0	0	0	0	0	3	83	18	1	1	0	0	0	103
<b>H/TOT</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>231</b>	<b>55</b>	<b>9</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>307</b>
08:00	4	2	0	0	0	0	0	6	96	19	1	0	0	0	0	116
08:15	7	0	1	0	0	0	0	8	119	12	1	1	1	0	0	134
08:30	4	1	3	0	0	0	0	8	128	16	2	3	1	0	0	150
08:45	7	0	0	0	0	0	0	7	110	13	3	5	1	0	0	132
<b>H/TOT</b>	<b>22</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>453</b>	<b>60</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>532</b>
09:00	5	3	2	0	0	0	0	10	80	13	2	3	0	0	0	98
09:15	0	1	0	0	0	0	0	1	62	8	2	3	0	0	0	75
<b>H/TOT</b>	<b>5</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>142</b>	<b>21</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>173</b>
<b>P/TOT</b>	<b>36</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>826</b>	<b>136</b>	<b>20</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1012</b>



# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	B TO A							
	FROM HOWES LN TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	3	3	0	0	0	0	0	6
16:15	13	1	0	0	0	0	0	14
16:30	4	2	0	0	0	0	0	6
16:45	9	2	0	0	0	0	0	11
<b>H/TOT</b>	<b>29</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>
17:00	5	1	0	0	0	0	0	6
17:15	11	0	0	0	0	0	0	11
17:30	7	0	0	0	0	0	0	7
17:45	3	0	0	0	0	0	0	3
<b>H/TOT</b>	<b>26</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>
18:00	5	3	0	0	0	0	0	8
18:15	3	1	1	0	0	0	0	5
<b>H/TOT</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>
<b>P/TOT</b>	<b>63</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>

	B TO C							
	FROM HOWES LN TO BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	106	27	3	2	2	0	0	140
16:15	119	38	3	0	0	0	0	160
16:30	154	27	1	2	0	0	0	184
16:45	134	26	2	4	0	0	0	166
<b>H/TOT</b>	<b>513</b>	<b>118</b>	<b>9</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>650</b>
17:00	160	32	2	0	0	0	0	194
17:15	164	24	6	2	0	0	0	196
17:30	131	14	2	0	1	0	0	148
17:45	144	17	1	1	0	0	0	163
<b>H/TOT</b>	<b>599</b>	<b>87</b>	<b>11</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>701</b>
18:00	118	8	0	0	0	2	0	128
18:15	110	9	1	1	0	1	0	122
<b>H/TOT</b>	<b>228</b>	<b>17</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>250</b>
<b>P/TOT</b>	<b>1340</b>	<b>222</b>	<b>21</b>	<b>12</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1601</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)



DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	C TO A FROM BUCKNELL RD (N) TO BUCKNELL RD (S)								C TO B FROM BUCKNELL RD (N) TO HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	7	2	1	0	0	0	0	10	113	41	4	4	1	0	0	163
07:15	17	2	1	0	0	0	0	20	130	47	11	6	2	1	0	197
07:30	7	2	0	0	0	0	0	9	135	46	1	0	1	0	0	183
07:45	28	0	0	0	0	0	0	28	150	37	7	4	3	1	0	202
<b>H/TOT</b>	<b>59</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>528</b>	<b>171</b>	<b>23</b>	<b>14</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>745</b>
08:00	33	2	0	0	0	0	0	35	151	33	4	1	0	0	1	190
08:15	47	6	4	0	0	0	0	57	150	26	4	3	0	0	0	183
08:30	42	4	4	0	0	0	0	50	147	31	7	4	1	0	0	190
08:45	43	3	1	0	0	0	0	47	166	27	5	2	0	0	0	200
<b>H/TOT</b>	<b>165</b>	<b>15</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>189</b>	<b>614</b>	<b>117</b>	<b>20</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>763</b>
09:00	23	3	1	0	0	0	0	27	151	23	12	3	0	0	1	190
09:15	19	1	1	0	0	0	0	21	80	22	3	4	0	1	0	110
<b>H/TOT</b>	<b>42</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>231</b>	<b>45</b>	<b>15</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>300</b>
<b>P/TOT</b>	<b>266</b>	<b>25</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>304</b>	<b>1373</b>	<b>333</b>	<b>58</b>	<b>31</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>1808</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	C TO A FROM BUCKNELL RD (N) TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	31	7	0	0	0	1	0	39
16:15	36	3	0	0	0	0	0	39
16:30	38	4	0	0	0	0	0	42
16:45	33	1	1	0	0	0	0	35
<b>H/TOT</b>	<b>138</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>155</b>
17:00	40	3	0	0	0	0	0	43
17:15	43	2	0	0	0	0	0	45
17:30	37	2	1	0	0	0	0	40
17:45	43	5	0	0	0	0	0	48
<b>H/TOT</b>	<b>163</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>176</b>
18:00	22	3	0	0	0	0	0	25
18:15	24	1	0	0	0	0	0	25
<b>H/TOT</b>	<b>46</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>
<b>P/TOT</b>	<b>347</b>	<b>31</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>381</b>

TIME	C TO B FROM BUCKNELL RD (N) TO HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	110	18	2	3	0	0	0	133
16:15	103	21	4	0	0	0	0	128
16:30	123	17	5	2	0	1	0	148
16:45	102	18	1	2	0	0	0	123
<b>H/TOT</b>	<b>438</b>	<b>74</b>	<b>12</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>532</b>
17:00	130	14	2	1	1	0	0	148
17:15	134	14	3	0	0	0	0	151
17:30	145	11	4	0	0	0	0	160
17:45	122	7	3	3	0	0	0	135
<b>H/TOT</b>	<b>531</b>	<b>46</b>	<b>12</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>594</b>
18:00	114	12	4	3	0	0	0	133
18:15	90	9	2	0	0	0	0	101
<b>H/TOT</b>	<b>204</b>	<b>21</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234</b>
<b>P/TOT</b>	<b>1173</b>	<b>141</b>	<b>30</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1360</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)



DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM A BUCKNELL RD (S)								FROM ARM A BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	9	3	1	0	0	0	0	13	23	6	3	0	0	0	0	32
07:15	19	3	1	0	0	0	0	23	40	8	1	0	0	0	0	49
07:30	9	2	0	0	0	0	0	11	39	9	4	0	0	0	1	53
07:45	31	0	0	0	0	0	0	31	46	9	3	0	0	1	0	59
<b>H/TOT</b>	<b>68</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>148</b>	<b>32</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>193</b>
08:00	37	4	0	0	0	0	0	41	57	4	0	0	0	0	0	61
08:15	54	6	5	0	0	0	0	65	58	4	2	0	0	0	1	65
08:30	46	5	7	0	0	0	0	58	51	8	1	0	0	0	0	60
08:45	50	3	1	0	0	0	0	54	58	5	2	0	0	0	0	65
<b>H/TOT</b>	<b>187</b>	<b>18</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>218</b>	<b>224</b>	<b>21</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>251</b>
09:00	28	6	3	0	0	0	0	37	37	8	1	0	0	0	0	46
09:15	19	2	1	0	0	0	0	22	32	1	1	1	0	0	0	35
<b>H/TOT</b>	<b>47</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>69</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>
<b>P/TOT</b>	<b>302</b>	<b>34</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>355</b>	<b>441</b>	<b>62</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>525</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM A BUCKNELL RD (S)								FROM ARM A BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	34	10	0	0	0	1	0	45	47	4	0	1	0	0	1	53
16:15	49	4	0	0	0	0	0	53	43	4	1	0	0	0	0	48
16:30	42	6	0	0	0	0	0	48	45	1	0	1	0	0	0	47
16:45	42	3	1	0	0	0	0	46	32	4	0	0	0	0	0	36
<b>H/TOT</b>	<b>167</b>	<b>23</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>192</b>	<b>167</b>	<b>13</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>184</b>
17:00	45	4	0	0	0	0	0	49	39	6	1	0	0	0	0	46
17:15	54	2	0	0	0	0	0	56	30	4	0	0	0	0	0	34
17:30	44	2	1	0	0	0	0	47	37	5	0	0	0	0	0	42
17:45	46	5	0	0	0	0	0	51	43	3	0	0	0	0	0	46
<b>H/TOT</b>	<b>189</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>203</b>	<b>149</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>168</b>
18:00	27	6	0	0	0	0	0	33	29	3	1	0	0	1	0	34
18:15	27	2	1	0	0	0	0	30	28	2	2	0	0	0	0	32
<b>H/TOT</b>	<b>54</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>57</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>66</b>
<b>P/TOT</b>	<b>410</b>	<b>44</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>458</b>	<b>373</b>	<b>36</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>418</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)



DATE: 08/12/2021

DAY: WEDNESDAY



# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM B HOWES LN								FROM ARM B HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	120	44	6	4	1	0	0	175	50	12	3	0	0	0	0	65
07:15	141	48	11	6	2	1	0	209	41	13	2	4	0	0	0	60
07:30	143	49	1	0	1	0	1	195	63	14	3	5	2	0	0	87
07:45	162	38	9	4	3	2	0	218	86	18	1	1	0	0	0	106
<b>H/TOT</b>	<b>566</b>	<b>179</b>	<b>27</b>	<b>14</b>	<b>7</b>	<b>3</b>	<b>1</b>	<b>797</b>	<b>240</b>	<b>57</b>	<b>9</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>318</b>
08:00	176	34	4	1	0	0	1	216	100	21	1	0	0	0	0	122
08:15	168	28	4	3	0	0	1	204	126	12	2	1	1	0	0	142
08:30	167	36	7	4	1	0	0	215	132	17	5	3	1	0	0	158
08:45	181	27	6	2	0	0	0	216	117	13	3	5	1	0	0	139
<b>H/TOT</b>	<b>692</b>	<b>125</b>	<b>21</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>851</b>	<b>475</b>	<b>63</b>	<b>11</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>561</b>
09:00	161	28	12	3	0	0	1	205	85	16	4	3	0	0	0	108
09:15	87	23	3	5	0	1	0	119	62	9	2	3	0	0	0	76
<b>H/TOT</b>	<b>248</b>	<b>51</b>	<b>15</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>324</b>	<b>147</b>	<b>25</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>184</b>
<b>P/TOT</b>	<b>1506</b>	<b>355</b>	<b>63</b>	<b>32</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>1972</b>	<b>862</b>	<b>145</b>	<b>26</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1063</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM B HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	119	19	2	4	0	0	0	144
16:15	113	21	5	0	0	0	0	139
16:30	133	17	5	2	0	1	0	158
16:45	108	18	1	2	0	0	0	129
<b>H/TOT</b>	<b>473</b>	<b>75</b>	<b>13</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>570</b>
17:00	135	15	2	1	1	0	0	154
17:15	141	16	3	0	0	0	0	160
17:30	153	11	4	0	0	0	0	168
17:45	137	7	3	3	0	0	0	150
<b>H/TOT</b>	<b>566</b>	<b>49</b>	<b>12</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>632</b>
18:00	122	12	4	3	0	0	0	141
18:15	100	10	3	0	0	0	0	113
<b>H/TOT</b>	<b>222</b>	<b>22</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>254</b>
<b>P/TOT</b>	<b>1261</b>	<b>146</b>	<b>32</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1456</b>

TIME	FROM ARM B HOWES LN							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	109	30	3	2	2	0	0	146
16:15	132	39	3	0	0	0	0	174
16:30	158	29	1	2	0	0	0	190
16:45	143	28	2	4	0	0	0	177
<b>H/TOT</b>	<b>542</b>	<b>126</b>	<b>9</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>687</b>
17:00	165	33	2	0	0	0	0	200
17:15	175	24	6	2	0	0	0	207
17:30	138	14	2	0	1	0	0	155
17:45	147	17	1	1	0	0	0	166
<b>H/TOT</b>	<b>625</b>	<b>88</b>	<b>11</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>728</b>
18:00	123	11	0	0	0	2	0	136
18:15	113	10	2	1	0	1	0	127
<b>H/TOT</b>	<b>236</b>	<b>21</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>263</b>
<b>P/TOT</b>	<b>1403</b>	<b>235</b>	<b>22</b>	<b>12</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1678</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)



DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM C BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	64	14	4	0	0	0	0	82
07:15	68	19	3	4	0	0	0	94
07:30	92	20	7	5	2	0	0	126
07:45	117	26	2	1	0	0	0	146
<b>H/TOT</b>	<b>341</b>	<b>79</b>	<b>16</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>448</b>
08:00	128	22	1	0	0	0	0	151
08:15	159	14	3	1	1	0	0	178
08:30	159	19	3	3	1	0	0	185
08:45	153	18	4	5	1	0	0	181
<b>H/TOT</b>	<b>599</b>	<b>73</b>	<b>11</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>695</b>
09:00	107	16	3	3	0	0	0	129
09:15	87	8	3	3	0	0	0	101
<b>H/TOT</b>	<b>194</b>	<b>24</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>230</b>
<b>P/TOT</b>	<b>1134</b>	<b>176</b>	<b>33</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1373</b>

TIME	FROM ARM C BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	120	43	5	4	1	0	0	173
07:15	147	49	12	6	2	1	0	217
07:30	142	48	1	0	1	0	0	192
07:45	178	37	7	4	3	1	0	230
<b>H/TOT</b>	<b>587</b>	<b>177</b>	<b>25</b>	<b>14</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>812</b>
08:00	184	35	4	1	0	0	1	225
08:15	197	32	8	3	0	0	0	240
08:30	189	35	11	4	1	0	0	240
08:45	209	30	6	2	0	0	0	247
<b>H/TOT</b>	<b>779</b>	<b>132</b>	<b>29</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>952</b>
09:00	174	26	13	3	0	0	1	217
09:15	99	23	4	4	0	1	0	131
<b>H/TOT</b>	<b>273</b>	<b>49</b>	<b>17</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>348</b>
<b>P/TOT</b>	<b>1639</b>	<b>358</b>	<b>71</b>	<b>31</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>2112</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM C BUCKNELL RD (N)								FROM ARM C BUCKNELL RD (N)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	144	30	3	2	2	0	1	182	141	25	2	3	0	1	0	172
16:15	152	42	3	0	0	0	0	197	139	24	4	0	0	0	0	167
16:30	189	28	1	3	0	0	0	221	161	21	5	2	0	1	0	190
16:45	160	30	2	4	0	0	0	196	135	19	2	2	0	0	0	158
<b>H/TOT</b>	<b>645</b>	<b>130</b>	<b>9</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>796</b>	<b>576</b>	<b>89</b>	<b>13</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>687</b>
17:00	194	37	3	0	0	0	0	234	170	17	2	1	1	0	0	191
17:15	187	26	6	2	0	0	0	221	177	16	3	0	0	0	0	196
17:30	160	19	2	0	1	0	0	182	182	13	5	0	0	0	0	200
17:45	172	20	1	1	0	0	0	194	165	12	3	3	0	0	0	183
<b>H/TOT</b>	<b>713</b>	<b>102</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>831</b>	<b>694</b>	<b>58</b>	<b>13</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>770</b>
18:00	139	11	1	0	0	3	0	154	136	15	4	3	0	0	0	158
18:15	128	10	2	1	0	1	0	142	114	10	2	0	0	0	0	126
<b>H/TOT</b>	<b>267</b>	<b>21</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>296</b>	<b>250</b>	<b>25</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>
<b>P/TOT</b>	<b>1625</b>	<b>253</b>	<b>24</b>	<b>13</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>1923</b>	<b>1520</b>	<b>172</b>	<b>32</b>	<b>14</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1741</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 2

LOCATION: BUCKNELL RD (S) / HOWES LN / BUCKNELL RD (N)



DATE: 08/12/2021

DAY: WEDNESDAY

SITE: 3

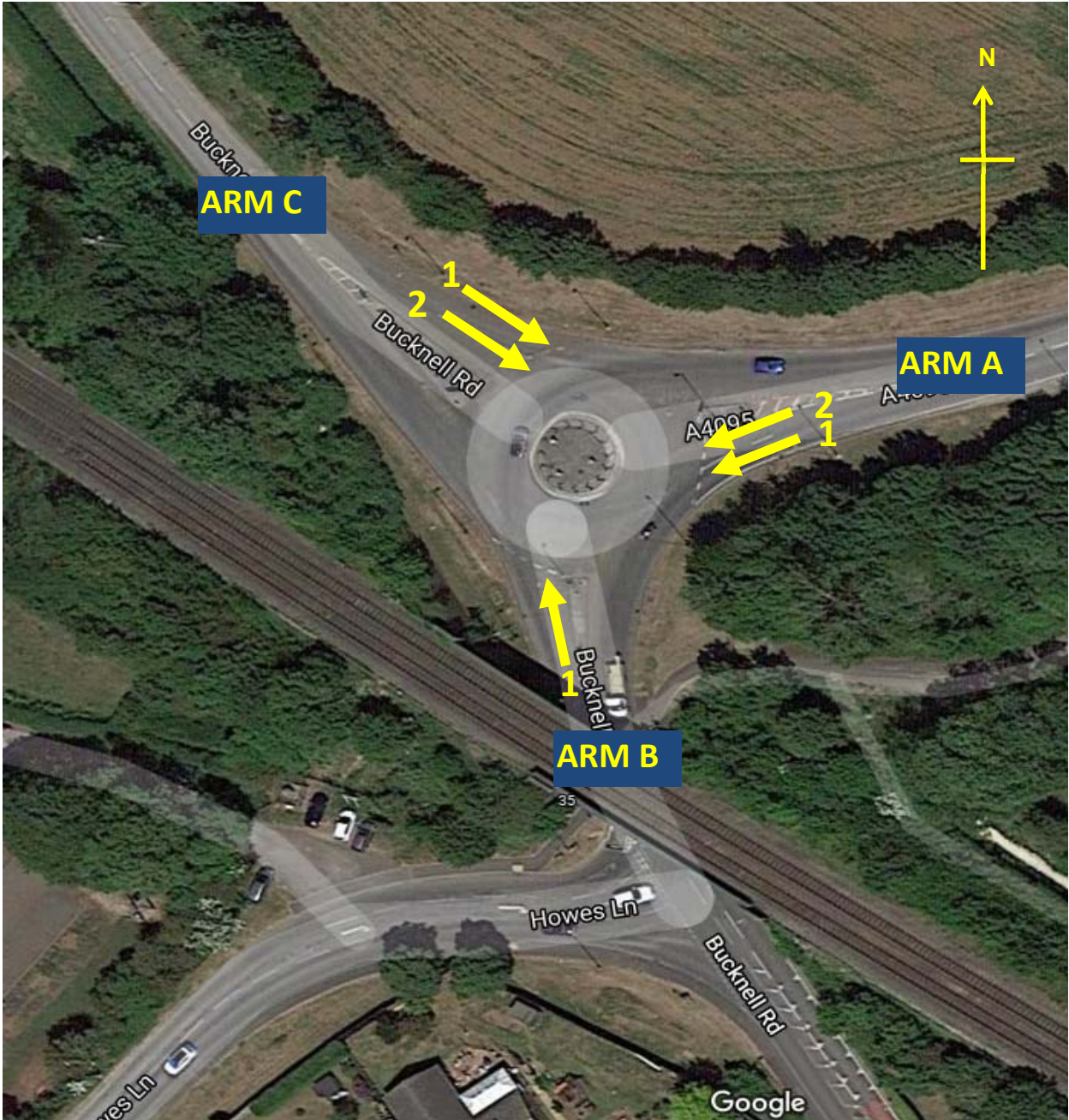


DATE: 8TH DECEMBER 2021

LOCATION:

A4095 / BUCKNELL RD

DAY: WEDNESDAY



JOB TITLE: BICESTER

JOB NUMBER: 10981

# QUEUE LENGTHS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

NOTE: Queue Lengths recorded by the number of vehicles queuing at each 5-minute interval, by lane

TIME	ARM A A4095		ARM B BUCKNELL RD (S)	ARM C BUCKNELL RD (NW)		TIME	ARM A A4095		ARM B BUCKNELL RD (S)	ARM C BUCKNELL RD (NW)	
	LANE 1	LANE 2	LANE 1	LANE 1	LANE 2		LANE 1	LANE 2	LANE 1	LANE 1	LANE 2
07:00	1	0	0	0	1	16:00	3	1	6	1	4
07:05	2	0	0	0	0	16:05	12	0	2	0	2
07:10	4	0	0	2	1	16:10	6	0	2	1	2
07:15	1	0	1	0	0	16:15	4	0	3	1	2
07:20	7	1	1	0	0	16:20	0	0	3	1	1
07:25	7	0	1	0	1	16:25	3	0	2	0	2
07:30	0	0	2	0	0	16:30	2	0	4	1	1
07:35	0	0	3	1	0	16:35	1	0	3	2	4
07:40	1	0	0	0	1	16:40	13	0	3	1	3
07:45	0	0	1	1	0	16:45	1	1	5	1	1
07:50	17	0	0	1	0	16:50	5	0	2	1	2
07:55	7	0	1	1	0	16:55	5	0	2	1	1
08:00	1	0	1	0	0	17:00	3	0	3	1	1
08:05	7	0	0	0	1	17:05	6	1	6	1	2
08:10	14	0	1	1	1	17:10	2	0	5	1	0
08:15	20	0	2	0	1	17:15	2	1	3	2	1
08:20	0	0	1	1	1	17:20	7	1	1	2	1
08:25	18	0	1	1	1	17:25	6	0	5	2	2
08:30	5	0	2	3	2	17:30	5	0	2	2	1
08:35	22	0	3	2	1	17:35	7	0	2	0	1
08:40	14	0	2	2	2	17:40	3	1	3	1	1
08:45	10	0	1	1	1	17:45	5	1	3	2	1
08:50	15	0	1	2	1	17:50	9	0	1	0	2
08:55	12	1	1	1	3	17:55	9	0	2	1	1
09:00	9	0	0	0	1	18:00	1	0	1	1	0



# QUEUE LENGTHS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

NOTE: Queue Lengths recorded by the number of vehicles queuing at each 5-minute interval, by lane

TIME	ARM A A4095		ARM B BUCKNELL RD (S)	ARM C BUCKNELL RD (NW)		TIME	ARM A A4095		ARM B BUCKNELL RD (S)	ARM C BUCKNELL RD (NW)	
	LANE 1	LANE 2	LANE 1	LANE 1	LANE 2		LANE 1	LANE 2	LANE 1	LANE 1	LANE 2
	09:05	3	0	2	1		1	18:05	4	0	0
09:10	1	0	2	0	1	18:10	2	0	3	1	2
09:15	3	0	0	0	1	18:15	0	0	1	0	1
09:20	0	1	0	1	1	18:20	1	0	1	0	1
09:25	0	0	0	0	0	18:25	0	0	0	0	1

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	A TO A FROM A4095 TO A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	0	0	0	0	0	0	0	0
07:15	1	0	0	0	0	0	0	1
07:30	1	0	0	0	0	0	0	1
07:45	2	0	0	0	0	0	0	2
<b>H/TOT</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
08:00	0	0	0	0	0	0	0	0
08:15	1	1	0	0	0	0	0	2
08:30	3	2	0	0	0	0	0	5
08:45	1	1	0	0	0	0	0	2
<b>H/TOT</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>
09:00	2	0	0	0	0	0	0	2
09:15	0	0	0	0	0	0	0	0
<b>H/TOT</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>P/TOT</b>	<b>11</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>

TIME	A TO B FROM A4095 TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	109	39	4	5	1	0	0	158
07:15	138	49	12	6	1	1	0	207
07:30	142	41	1	1	1	0	0	186
07:45	168	36	7	4	2	1	0	218
<b>H/TOT</b>	<b>557</b>	<b>165</b>	<b>24</b>	<b>16</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>769</b>
08:00	174	31	4	1	0	0	1	211
08:15	190	30	7	2	0	0	0	229
08:30	172	34	10	4	1	0	0	221
08:45	195	29	6	2	0	0	0	232
<b>H/TOT</b>	<b>731</b>	<b>124</b>	<b>27</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>893</b>
09:00	164	26	13	3	0	0	1	207
09:15	89	21	5	4	0	1	0	120
<b>H/TOT</b>	<b>253</b>	<b>47</b>	<b>18</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>327</b>
<b>P/TOT</b>	<b>1541</b>	<b>336</b>	<b>69</b>	<b>32</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>1989</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	A TO A FROM A4095 TO A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	1	0	0	0	0	0	0	1
16:15	1	0	0	0	0	0	0	1
16:30	2	0	0	0	0	0	0	2
16:45	0	1	0	0	0	0	0	1
<b>H/TOT</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
17:00	2	0	0	0	0	0	0	2
17:15	2	0	0	0	0	0	0	2
17:30	3	0	0	0	0	0	0	3
17:45	0	0	0	0	0	0	0	0
<b>H/TOT</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
18:00	3	0	0	0	0	0	0	3
18:15	2	0	0	0	0	0	0	2
<b>H/TOT</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
<b>P/TOT</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>

TIME	A TO B FROM A4095 TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	123	21	2	2	0	0	0	148
16:15	124	25	5	0	0	0	0	154
16:30	146	18	4	2	0	1	0	171
16:45	116	17	2	2	0	0	0	137
<b>H/TOT</b>	<b>509</b>	<b>81</b>	<b>13</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>610</b>
17:00	153	17	2	1	1	0	0	174
17:15	155	15	2	0	0	0	0	172
17:30	172	13	3	1	0	0	0	189
17:45	151	9	3	3	0	0	0	166
<b>H/TOT</b>	<b>631</b>	<b>54</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>701</b>
18:00	131	11	3	3	0	0	0	148
18:15	104	8	2	0	0	0	0	114
<b>H/TOT</b>	<b>235</b>	<b>19</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>262</b>
<b>P/TOT</b>	<b>1375</b>	<b>154</b>	<b>28</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1573</b>

## MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	A TO C							
	FROM A4095 TO BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	14	3	0	0	1	0	0	18
07:15	11	1	0	0	0	0	0	12
07:30	19	7	1	0	0	0	1	28
07:45	15	3	0	1	0	0	0	19
<b>H/TOT</b>	<b>59</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>77</b>
08:00	18	4	0	0	0	0	0	22
08:15	12	3	2	0	0	1	0	18
08:30	20	0	0	0	0	0	0	20
08:45	14	1	0	0	0	0	0	15
<b>H/TOT</b>	<b>64</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>75</b>
09:00	16	2	0	0	0	0	0	18
09:15	9	2	0	0	0	0	0	11
<b>H/TOT</b>	<b>25</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>
<b>P/TOT</b>	<b>148</b>	<b>26</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>181</b>

	B TO A							
	FROM BUCKNELL RD (S) TO A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	50	15	3	0	0	0	0	68
07:15	60	10	4	4	0	0	0	78
07:30	68	14	6	6	2	0	0	96
07:45	103	24	1	1	0	0	0	129
<b>H/TOT</b>	<b>281</b>	<b>63</b>	<b>14</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>371</b>
08:00	117	16	1	0	0	0	0	134
08:15	142	11	2	1	1	0	0	157
08:30	143	19	2	3	1	0	0	168
08:45	139	13	4	5	1	0	0	162
<b>H/TOT</b>	<b>541</b>	<b>59</b>	<b>9</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>621</b>
09:00	101	14	3	3	0	0	0	121
09:15	76	8	3	3	0	0	0	90
<b>H/TOT</b>	<b>177</b>	<b>22</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>211</b>
<b>P/TOT</b>	<b>999</b>	<b>144</b>	<b>29</b>	<b>26</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1203</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	A TO C							
	FROM A4095 TO BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	9	3	1	0	0	0	0	13
16:15	20	1	0	0	0	0	0	21
16:30	17	5	0	0	0	0	0	22
16:45	9	2	1	0	0	0	0	12
<b>H/TOT</b>	<b>55</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>
17:00	19	5	0	0	0	0	0	24
17:15	16	5	0	0	0	0	0	21
17:30	17	4	0	0	0	0	0	21
17:45	10	2	0	0	0	0	0	12
<b>H/TOT</b>	<b>62</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>
18:00	10	3	0	0	0	0	0	13
18:15	13	0	0	0	0	0	0	13
<b>H/TOT</b>	<b>23</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>
<b>P/TOT</b>	<b>140</b>	<b>30</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>172</b>

TIME	B TO A							
	FROM BUCKNELL RD (S) TO A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	135	22	3	1	2	0	0	163
16:15	134	34	3	0	0	0	0	171
16:30	165	24	1	3	0	0	0	193
16:45	138	25	2	4	0	0	0	169
<b>H/TOT</b>	<b>572</b>	<b>105</b>	<b>9</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>696</b>
17:00	174	31	5	0	0	0	0	210
17:15	175	23	5	2	0	0	0	205
17:30	144	13	2	0	1	0	0	160
17:45	161	15	1	2	0	0	0	179
<b>H/TOT</b>	<b>654</b>	<b>82</b>	<b>13</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>754</b>
18:00	123	8	1	0	0	0	0	132
18:15	121	7	2	1	0	1	0	132
<b>H/TOT</b>	<b>244</b>	<b>15</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>264</b>
<b>P/TOT</b>	<b>1470</b>	<b>202</b>	<b>25</b>	<b>13</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1714</b>

## MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	B TO B							
	FROM BUCKNELL RD (S) TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	0	0	0	0	0	0	0	0
07:15	1	0	0	0	0	0	0	1
07:30	0	0	0	0	0	0	0	0
07:45	1	0	0	0	0	0	0	1
<b>H/TOT</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
08:00	0	0	0	0	0	0	0	0
08:15	3	0	1	0	0	0	0	4
08:30	2	0	0	0	0	0	0	2
08:45	0	1	0	0	0	0	0	1
<b>H/TOT</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
09:00	1	0	0	0	0	0	0	1
09:15	0	0	0	0	0	0	0	0
<b>H/TOT</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>P/TOT</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>

TIME	B TO C							
	FROM BUCKNELL RD (S) TO BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
15	1	0	0	0	0	0	0	16
12	6	0	0	0	0	0	0	18
25	2	0	0	0	0	0	0	27
18	1	1	0	0	0	0	0	20
<b>H/TOT</b>	<b>70</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>
19	3	0	0	0	0	0	0	22
15	2	0	0	0	0	0	0	17
12	1	1	0	0	0	0	0	14
16	3	0	0	0	0	0	0	19
<b>H/TOT</b>	<b>62</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>
8	1	0	0	0	0	0	0	9
13	0	0	0	0	0	0	0	13
<b>H/TOT</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>P/TOT</b>	<b>153</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175</b>



# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	B TO B							
	FROM BUCKNELL RD (S) TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	0	0	0	1	0	0	0	1
16:15	0	0	0	0	0	0	0	0
16:30	1	0	0	0	0	0	0	1
16:45	1	0	0	0	0	0	0	1
<b>H/TOT</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
17:00	2	0	0	0	0	0	0	2
17:15	1	0	0	0	0	0	0	1
17:30	1	0	0	0	0	0	0	1
17:45	0	0	0	0	0	0	0	0
<b>H/TOT</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
18:00	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0
<b>H/TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>P/TOT</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>

	B TO C							
	FROM BUCKNELL RD (S) TO BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16	6	0	0	0	0	0	0	22
23	2	0	0	0	0	0	0	25
28	3	0	0	0	0	0	0	31
24	1	0	0	0	0	0	0	25
<b>H/TOT</b>	<b>91</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103</b>
20	3	1	0	0	0	0	0	24
17	1	0	0	0	0	0	0	18
19	4	0	0	0	0	0	0	23
18	2	0	0	0	0	0	0	20
<b>H/TOT</b>	<b>74</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85</b>
19	3	0	0	0	0	0	0	22
10	1	0	0	0	0	0	0	11
<b>H/TOT</b>	<b>29</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>
<b>P/TOT</b>	<b>194</b>	<b>26</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>221</b>

## MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	C TO A							
	FROM BUCKNELL RD (NW) TO A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	1	2	0	0	0	0	0	3
07:15	2	3	0	0	0	0	0	5
07:30	6	1	0	0	0	0	0	7
07:45	9	2	0	0	0	0	0	11
<b>H/TOT</b>	<b>18</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>
08:00	9	1	0	0	0	0	0	10
08:15	15	1	0	0	0	0	0	16
08:30	16	0	0	0	1	0	0	17
08:45	18	3	0	0	0	0	0	21
<b>H/TOT</b>	<b>58</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>64</b>
09:00	5	1	0	0	0	0	0	6
09:15	6	2	0	0	0	0	0	8
<b>H/TOT</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>
<b>P/TOT</b>	<b>87</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>104</b>

TIME	C TO B							
	FROM BUCKNELL RD (NW) TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	12	2	1	0	0	0	0	15
07:15	11	1	0	0	0	0	0	12
07:30	2	1	0	0	0	0	0	3
07:45	10	2	0	0	0	0	0	12
<b>H/TOT</b>	<b>35</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>
08:00	8	4	0	0	0	0	0	12
08:15	8	1	0	1	0	0	0	10
08:30	19	1	1	0	0	0	0	21
08:45	13	0	0	0	0	0	0	13
<b>H/TOT</b>	<b>48</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>
09:00	8	1	0	0	0	0	0	9
09:15	8	1	0	0	0	0	0	9
<b>H/TOT</b>	<b>16</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>
<b>P/TOT</b>	<b>99</b>	<b>14</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>116</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	C TO A							
	FROM BUCKNELL RD (NW) TO A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	6	2	0	0	0	0	0	8
16:15	6	1	0	0	0	0	0	7
16:30	12	2	0	0	0	0	0	14
16:45	11	1	0	0	0	0	0	12
<b>H/TOT</b>	<b>35</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>41</b>
17:00	7	2	0	0	0	0	0	9
17:15	17	2	0	0	1	0	0	20
17:30	10	0	0	0	0	0	0	10
17:45	9	0	0	0	0	0	0	9
<b>H/TOT</b>	<b>43</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>48</b>
18:00	9	1	0	0	0	0	0	10
18:15	5	2	0	0	0	0	0	7
<b>H/TOT</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>
<b>P/TOT</b>	<b>92</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>106</b>

TIME	C TO B							
	FROM BUCKNELL RD (NW) TO BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
15	3	0	0	0	0	0	0	18
15	1	0	0	0	0	0	0	16
16	2	0	0	0	0	0	0	18
17	2	0	0	0	0	0	0	19
<b>H/TOT</b>	<b>63</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71</b>
15	2	0	0	0	0	0	0	17
18	1	0	0	0	0	0	0	19
10	2	0	0	0	0	0	0	12
15	1	0	0	0	0	0	0	16
<b>H/TOT</b>	<b>58</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>
9	0	1	0	0	0	0	0	10
9	2	0	0	0	0	0	0	11
<b>H/TOT</b>	<b>18</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>
<b>P/TOT</b>	<b>139</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>156</b>

## MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY





## MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY



# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	TO ARM A A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	51	17	3	0	0	0	0	71
07:15	63	13	4	4	0	0	0	84
07:30	75	15	6	6	2	0	0	104
07:45	114	26	1	1	0	0	0	142
<b>H/TOT</b>	<b>303</b>	<b>71</b>	<b>14</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>401</b>
08:00	126	17	1	0	0	0	0	144
08:15	158	13	2	1	1	0	0	175
08:30	162	21	2	3	2	0	0	190
08:45	158	17	4	5	1	0	0	185
<b>H/TOT</b>	<b>604</b>	<b>68</b>	<b>9</b>	<b>9</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>694</b>
09:00	108	15	3	3	0	0	0	129
09:15	82	10	3	3	0	0	0	98
<b>H/TOT</b>	<b>190</b>	<b>25</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>227</b>
<b>P/TOT</b>	<b>1097</b>	<b>164</b>	<b>29</b>	<b>26</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1322</b>

TIME	FROM ARM A A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	123	42	4	5	2	0	0	176
07:15	150	50	12	6	1	1	0	220
07:30	162	48	2	1	1	0	1	215
07:45	185	39	7	5	2	1	0	239
<b>H/TOT</b>	<b>620</b>	<b>179</b>	<b>25</b>	<b>17</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>850</b>
08:00	192	35	4	1	0	0	1	233
08:15	203	34	9	2	0	1	0	249
08:30	195	36	10	4	1	0	0	246
08:45	210	31	6	2	0	0	0	249
<b>H/TOT</b>	<b>800</b>	<b>136</b>	<b>29</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>977</b>
09:00	182	28	13	3	0	0	1	227
09:15	98	23	5	4	0	1	0	131
<b>H/TOT</b>	<b>280</b>	<b>51</b>	<b>18</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>358</b>
<b>P/TOT</b>	<b>1700</b>	<b>366</b>	<b>72</b>	<b>33</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>2185</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	TO ARM A A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	142	24	3	1	2	0	0	172
16:15	141	35	3	0	0	0	0	179
16:30	179	26	1	3	0	0	0	209
16:45	149	27	2	4	0	0	0	182
<b>H/TOT</b>	<b>611</b>	<b>112</b>	<b>9</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>742</b>
17:00	183	33	5	0	0	0	0	221
17:15	194	25	5	2	1	0	0	227
17:30	157	13	2	0	1	0	0	173
17:45	170	15	1	2	0	0	0	188
<b>H/TOT</b>	<b>704</b>	<b>86</b>	<b>13</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>809</b>
18:00	135	9	1	0	0	0	0	145
18:15	128	9	2	1	0	1	0	141
<b>H/TOT</b>	<b>263</b>	<b>18</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>286</b>
<b>P/TOT</b>	<b>1578</b>	<b>216</b>	<b>25</b>	<b>13</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1837</b>

TIME	FROM ARM A A4095							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	133	24	3	2	0	0	0	162
16:15	145	26	5	0	0	0	0	176
16:30	165	23	4	2	0	1	0	195
16:45	125	20	3	2	0	0	0	150
<b>H/TOT</b>	<b>568</b>	<b>93</b>	<b>15</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>683</b>
17:00	174	22	2	1	1	0	0	200
17:15	173	20	2	0	0	0	0	195
17:30	192	17	3	1	0	0	0	213
17:45	161	11	3	3	0	0	0	178
<b>H/TOT</b>	<b>700</b>	<b>70</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>786</b>
18:00	144	14	3	3	0	0	0	164
18:15	119	8	2	0	0	0	0	129
<b>H/TOT</b>	<b>263</b>	<b>22</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>293</b>
<b>P/TOT</b>	<b>1531</b>	<b>185</b>	<b>30</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1762</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)



DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY

TIME	TO ARM B BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	121	41	5	5	1	0	0	173
07:15	150	50	12	6	1	1	0	220
07:30	144	42	1	1	1	0	0	189
07:45	179	38	7	4	2	1	0	231
<b>H/TOT</b>	<b>594</b>	<b>171</b>	<b>25</b>	<b>16</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>813</b>
08:00	182	35	4	1	0	0	1	223
08:15	201	31	8	3	0	0	0	243
08:30	193	35	11	4	1	0	0	244
08:45	208	30	6	2	0	0	0	246
<b>H/TOT</b>	<b>784</b>	<b>131</b>	<b>29</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>956</b>
09:00	173	27	13	3	0	0	1	217
09:15	97	22	5	4	0	1	0	129
<b>H/TOT</b>	<b>270</b>	<b>49</b>	<b>18</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>346</b>
<b>P/TOT</b>	<b>1648</b>	<b>351</b>	<b>72</b>	<b>33</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>2115</b>

TIME	FROM ARM B BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	65	16	3	0	0	0	0	84
07:15	73	16	4	4	0	0	0	97
07:30	93	16	6	6	2	0	0	123
07:45	122	25	2	1	0	0	0	150
<b>H/TOT</b>	<b>353</b>	<b>73</b>	<b>15</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>454</b>
08:00	136	19	1	0	0	0	0	156
08:15	160	13	3	1	1	0	0	178
08:30	157	20	3	3	1	0	0	184
08:45	155	17	4	5	1	0	0	182
<b>H/TOT</b>	<b>608</b>	<b>69</b>	<b>11</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>700</b>
09:00	110	15	3	3	0	0	0	131
09:15	89	8	3	3	0	0	0	103
<b>H/TOT</b>	<b>199</b>	<b>23</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>234</b>
<b>P/TOT</b>	<b>1160</b>	<b>165</b>	<b>32</b>	<b>26</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1388</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	TO ARM B BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	138	24	2	3	0	0	0	167
16:15	139	26	5	0	0	0	0	170
16:30	163	20	4	2	0	1	0	190
16:45	134	19	2	2	0	0	0	157
<b>H/TOT</b>	<b>574</b>	<b>89</b>	<b>13</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>684</b>
17:00	170	19	2	1	1	0	0	193
17:15	174	16	2	0	0	0	0	192
17:30	183	15	3	1	0	0	0	202
17:45	166	10	3	3	0	0	0	182
<b>H/TOT</b>	<b>693</b>	<b>60</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>769</b>
18:00	140	11	4	3	0	0	0	158
18:15	113	10	2	0	0	0	0	125
<b>H/TOT</b>	<b>253</b>	<b>21</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>283</b>
<b>P/TOT</b>	<b>1520</b>	<b>170</b>	<b>29</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1736</b>

TIME	FROM ARM B BUCKNELL RD (S)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	151	28	3	2	2	0	0	186
16:15	157	36	3	0	0	0	0	196
16:30	194	27	1	3	0	0	0	225
16:45	163	26	2	4	0	0	0	195
<b>H/TOT</b>	<b>665</b>	<b>117</b>	<b>9</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>802</b>
17:00	196	34	6	0	0	0	0	236
17:15	193	24	5	2	0	0	0	224
17:30	164	17	2	0	1	0	0	184
17:45	179	17	1	2	0	0	0	199
<b>H/TOT</b>	<b>732</b>	<b>92</b>	<b>14</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>843</b>
18:00	142	11	1	0	0	0	0	154
18:15	131	8	2	1	0	1	0	143
<b>H/TOT</b>	<b>273</b>	<b>19</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>297</b>
<b>P/TOT</b>	<b>1670</b>	<b>228</b>	<b>26</b>	<b>14</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1942</b>

## MANUAL CLASSIFIED COUNTS

JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)



DATE: 08/12/2021

DAY: WEDNESDAY

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	TO ARM C BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	29	4	0	0	1	0	0	34
07:15	23	7	0	0	0	0	0	30
07:30	44	9	1	0	0	0	1	55
07:45	33	4	1	1	0	0	0	39
<b>H/TOT</b>	<b>129</b>	<b>24</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>158</b>
08:00	37	7	0	0	0	0	0	44
08:15	27	5	2	0	0	1	0	35
08:30	32	1	1	0	0	0	0	34
08:45	30	4	0	0	0	0	0	34
<b>H/TOT</b>	<b>126</b>	<b>17</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>147</b>
09:00	24	3	0	0	0	0	0	27
09:15	22	2	0	0	0	0	0	24
<b>H/TOT</b>	<b>46</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>
<b>P/TOT</b>	<b>301</b>	<b>46</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>356</b>

TIME	FROM ARM C BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
07:00	13	4	1	0	0	0	0	18
07:15	13	4	0	0	0	0	0	17
07:30	8	2	0	0	0	0	0	10
07:45	19	4	0	0	0	0	0	23
<b>H/TOT</b>	<b>53</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>
08:00	17	5	0	0	0	0	0	22
08:15	23	2	0	1	0	0	0	26
08:30	35	1	1	0	1	0	0	38
08:45	31	3	0	0	0	0	0	34
<b>H/TOT</b>	<b>106</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>120</b>
09:00	13	2	0	0	0	0	0	15
09:15	14	3	0	0	0	0	0	17
<b>H/TOT</b>	<b>27</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>
<b>P/TOT</b>	<b>186</b>	<b>30</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>220</b>

# MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

DATE: 08/12/2021

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DAY: WEDNESDAY

TIME	TO ARM C BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	25	9	1	0	0	0	0	35
16:15	43	3	0	0	0	0	0	46
16:30	45	8	0	0	0	0	0	53
16:45	33	3	1	0	0	0	0	37
<b>H/TOT</b>	<b>146</b>	<b>23</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>171</b>
17:00	39	8	1	0	0	0	0	48
17:15	33	6	0	0	0	0	0	39
17:30	36	8	0	0	0	0	0	44
17:45	28	4	0	0	0	0	0	32
<b>H/TOT</b>	<b>136</b>	<b>26</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163</b>
18:00	29	6	0	0	0	0	0	35
18:15	23	1	0	0	0	0	0	24
<b>H/TOT</b>	<b>52</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59</b>
<b>P/TOT</b>	<b>334</b>	<b>56</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>393</b>

TIME	FROM ARM C BUCKNELL RD (NW)							
	CAR	LGV	OGV1	OGV2	PSV	MCL	PCL	TOT
16:00	21	5	0	0	0	0	0	26
16:15	21	2	0	0	0	0	0	23
16:30	28	4	0	0	0	0	0	32
16:45	28	3	0	0	0	0	0	31
<b>H/TOT</b>	<b>98</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>112</b>
17:00	22	4	0	0	0	0	0	26
17:15	35	3	0	0	1	0	0	39
17:30	20	2	0	0	0	0	0	22
17:45	24	1	0	0	0	0	0	25
<b>H/TOT</b>	<b>101</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>112</b>
18:00	18	1	1	0	0	0	0	20
18:15	14	4	0	0	0	0	0	18
<b>H/TOT</b>	<b>32</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>
<b>P/TOT</b>	<b>231</b>	<b>29</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>262</b>



## MANUAL CLASSIFIED COUNTS



JOB REF: 10981

JOB NAME: BICESTER

SITE: 3

LOCATION: A4095 / BUCKNELL RD (S) / BUCKNELL RD (NW)

DATE: 08/12/2021

DAY: WEDNESDAY

## **Appendix E**

## Appendix E-1

Junctions 10
ARCADY 10 - Roundabout Module
Version: 10.0.2.1574 © Copyright TRL Software Limited, 2021
For sales and distribution information, program advice and maintenance, contact TRL Software: +44 (0)1344 379777 software@trl.co.uk trlsoftware.com
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution

Filename: Bucknall Road - A4095 (2022)\_Split Dev Flows.j10  
 Path: P:\14000\s\14042  
 Report generation date: 08/02/2022 12:07:52

- »(Default Analysis Set) - 2021 Base, AM
- »(Default Analysis Set) - 2021 Base, PM
- »(Default Analysis Set) - 2021 Base + Split Dev, AM
- »(Default Analysis Set) - 2021 Base + Split Dev, PM
- »(Default Analysis Set) - 2026 Base + Great Wolf, AM
- »(Default Analysis Set) - 2026 Base + Great Wolf, PM
- »(Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, AM
- »(Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, PM

**Summary of junction performance**

	AM			PM		
	Q (PCU)	Delay (s)	RFC	Q (PCU)	Delay (s)	RFC
<b>A1 - 2021 Base</b>						
1 - A4095	1.9	6.78	0.65	1.1	4.86	0.52
2 - Bucknell Road S	0.9	4.51	0.47	1.3	5.45	0.56
3 - Bucknell Road N	0.1	3.65	0.11	0.1	3.92	0.11
<b>A1 - 2021 Base + Split Dev</b>						
1 - A4095	1.9	6.85	0.66	1.1	4.87	0.52
2 - Bucknell Road S	0.9	4.53	0.47	1.3	5.50	0.57
3 - Bucknell Road N	0.1	3.66	0.11	0.1	3.94	0.11
<b>A1 - 2026 Base + Great Wolf</b>						
1 - A4095	2.3	7.64	0.69	1.2	5.22	0.55
2 - Bucknell Road S	1.0	4.77	0.50	1.5	5.95	0.60
3 - Bucknell Road N	0.1	3.76	0.12	0.1	4.09	0.12
<b>A1 - 2026 Base + Great Wolf + Split Dev</b>						
1 - A4095	2.3	7.74	0.70	1.2	5.23	0.55
2 - Bucknell Road S	1.0	4.79	0.50	1.5	6.01	0.60
3 - Bucknell Road N	0.1	3.77	0.12	0.1	4.10	0.12

Values shown are the highest values encountered over all time segments. Delay is the maximum value of Av. delay per arriving vehicle.

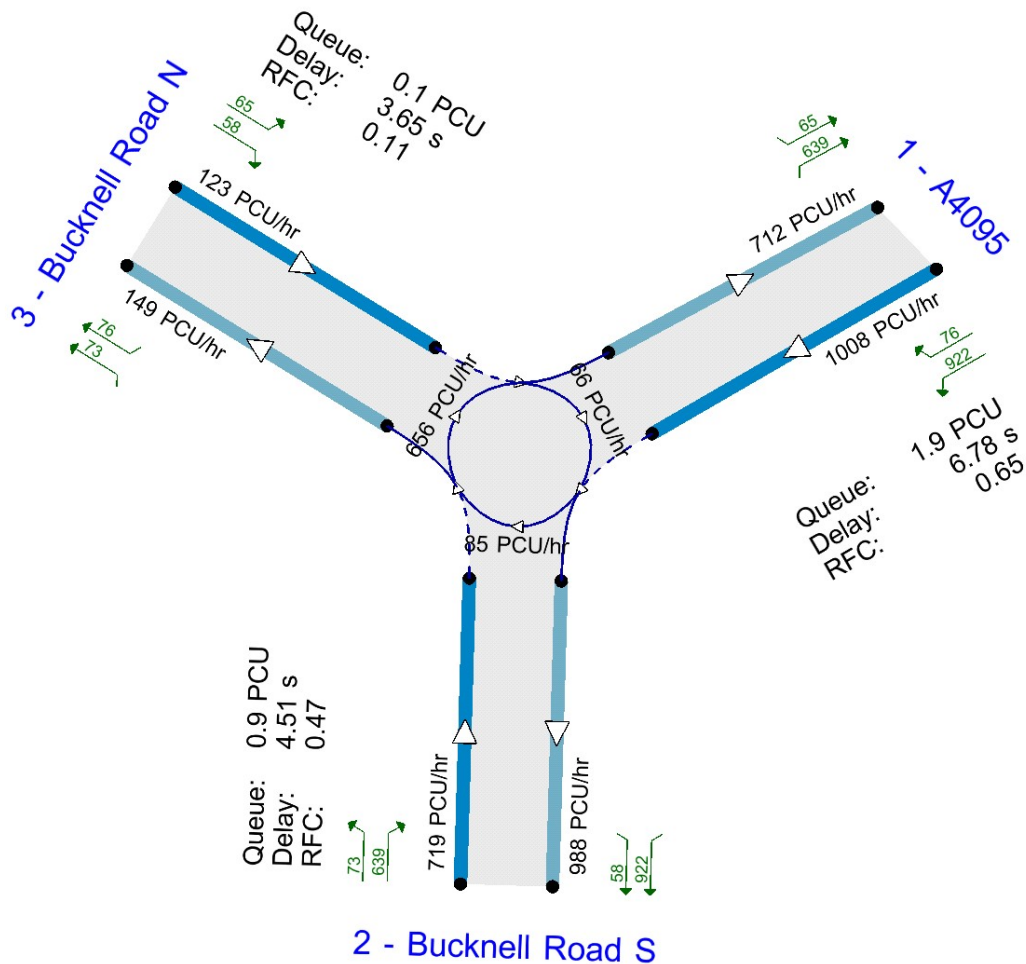
## File summary

### File Description

<b>Title</b>	A4095/ Bucknall Road
<b>Location</b>	Bicester
<b>Site number</b>	
<b>Date</b>	04/01/2022
<b>Version</b>	
<b>Status</b>	(new file)
<b>Identifier</b>	
<b>Client</b>	
<b>Jobnumber</b>	
<b>Enumerator</b>	DTA\arcady
<b>Description</b>	

### Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Av. delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin



Flows show modelled flow through junction (PCU/hr).  
Time Segment: 07:45-08:00

The junction diagram reflects the last run of Junctions.

### Analysis Options

Vehicle length (m)	Calculate Q Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Av. Delay threshold (s)	Q threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

### Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2021 Base	AM	FLAT	07:45	09:15	90	15	✓
D2	2021 Base	PM	FLAT	16:45	18:15	90	15	✓
D3	2021 Base + Split Dev	AM	FLAT	07:45	09:15	90	15	✓
D4	2021 Base + Split Dev	PM	FLAT	16:45	18:15	90	15	✓
D7	2026 Base + Great Wolf	AM	FLAT	07:45	09:15	90	15	✓
D8	2026 Base + Great Wolf	PM	FLAT	16:45	18:15	90	15	✓
D9	2026 Base + Great Wolf + Split Dev	AM	FLAT	07:45	09:15	90	15	✓
D10	2026 Base + Great Wolf + Split Dev	PM	FLAT	16:45	18:15	90	15	✓

### Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	(Default Analysis Set)	✓	100.000	100.000

# (Default Analysis Set) - 2021 Base, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.69	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.69	A

## Arms

### Arms

Arm	Name	Description	No give-way line
1	A4095		
2	Bucknell Road S		
3	Bucknell Road N		

### Roundabout Geometry

Arm	V (m)	E (m)	I' (m)	R (m)	D (m)	PHI (deg)	Entry only	Exit only
1 - A4095	2.75	9.00	10.3	69.7	31.0	17.0		
2 - Bucknell Road S	4.10	6.10	8.8	23.6	31.0	34.0		
3 - Bucknell Road N	3.00	7.60	10.4	23.1	31.0	22.0		

## Slope / Intercept / Capacity

### Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1 - A4095	0.660	1595
2 - Bucknell Road S	0.631	1583
3 - Bucknell Road N	0.634	1537

The slope and intercept shown above include any corrections and adjustments.

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2021 Base	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1015	100.000
2 - Bucknell Road S		FLAT	✓	723	100.000
3 - Bucknell Road N		FLAT	✓	123	100.000

### Origin-Destination Data

#### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	9	929	77	
2 - Bucknell Road S	642	8	73	
3 - Bucknell Road N	65	58	0	

#### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.92	0.08	
2 - Bucknell Road S	0.89	0.01	0.10	
3 - Bucknell Road N	0.53	0.47	0.00	

### Vehicle Mix

#### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

#### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

### Detailed Demand Data

#### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1015	1015
	08:00-08:15	1015	1015
	08:15-08:30	1015	1015
	08:30-08:45	1015	1015
	08:45-09:00	1015	1015
	09:00-09:15	1015	1015
2 - Bucknell Road S	07:45-08:00	723	723
	08:00-08:15	723	723
	08:15-08:30	723	723
	08:30-08:45	723	723
	08:45-09:00	723	723
	09:00-09:15	723	723
3 - Bucknell Road N	07:45-08:00	123	123
	08:00-08:15	123	123
	08:15-08:30	123	123
	08:30-08:45	123	123
	08:45-09:00	123	123
	09:00-09:15	123	123



## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.65	6.78	1.9	A	1015	1523
2 - Bucknell Road S	0.47	4.51	0.9	A	723	1085
3 - Bucknell Road N	0.11	3.65	0.1	A	123	185

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1008	712	0.0	1.9	6.593	A
2 - Bucknell Road S	723	181	85	1529	0.473	719	988	0.0	0.9	4.471	A
3 - Bucknell Road N	123	31	656	1121	0.110	123	149	0.0	0.1	3.638	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.773	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

#### 08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

#### 08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

#### 08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

# (Default Analysis Set) - 2021 Base, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.08	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.08	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D2	2021 Base	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	802	100.000
2 - Bucknell Road S		FLAT	✓	862	100.000
3 - Bucknell Road N		FLAT	✓	113	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	7	717	78	
2 - Bucknell Road S	772	4	86	
3 - Bucknell Road N	49	64	0	

### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.89	0.10	
2 - Bucknell Road S	0.90	0.00	0.10	
3 - Bucknell Road N	0.43	0.57	0.00	

## Vehicle Mix

### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	802	802
	17:00-17:15	802	802
	17:15-17:30	802	802
	17:30-17:45	802	802
	17:45-18:00	802	802
	18:00-18:15	802	802
2 - Bucknell Road S	16:45-17:00	862	862
	17:00-17:15	862	862
	17:15-17:30	862	862
	17:30-17:45	862	862
	17:45-18:00	862	862
	18:00-18:15	862	862
3 - Bucknell Road N	16:45-17:00	113	113
	17:00-17:15	113	113
	17:15-17:30	113	113
	17:30-17:45	113	113
	17:45-18:00	113	113
	18:00-18:15	113	113

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.52	4.86	1.1	A	802	1203
2 - Bucknell Road S	0.56	5.45	1.3	A	862	1293
3 - Bucknell Road N	0.11	3.92	0.1	A	113	170

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	798	823	0.0	1.1	4.804	A
2 - Bucknell Road S	862	216	85	1530	0.564	857	781	0.0	1.3	5.365	A
3 - Bucknell Road N	113	28	778	1043	0.108	113	163	0.0	0.1	3.904	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1041	0.109	113	164	0.1	0.1	3.919	A

**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

**17:30 - 17:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

# (Default Analysis Set) - 2021 Base + Split Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.74	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.74	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D3	2021 Base + Split Dev	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1020	100.000
2 - Bucknell Road S		FLAT	✓	726	100.000
3 - Bucknell Road N		FLAT	✓	124	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	9	934	77
2 - Bucknell Road S	645	8	73
3 - Bucknell Road N	65	59	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.92	0.08
2 - Bucknell Road S	0.89	0.01	0.10
3 - Bucknell Road N	0.52	0.48	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1020	1020
	08:00-08:15	1020	1020
	08:15-08:30	1020	1020
	08:30-08:45	1020	1020
	08:45-09:00	1020	1020
	09:00-09:15	1020	1020
2 - Bucknell Road S	07:45-08:00	726	726
	08:00-08:15	726	726
	08:15-08:30	726	726
	08:30-08:45	726	726
	08:45-09:00	726	726
	09:00-09:15	726	726
3 - Bucknell Road N	07:45-08:00	124	124
	08:00-08:15	124	124
	08:15-08:30	124	124
	08:30-08:45	124	124
	08:45-09:00	124	124
	09:00-09:15	124	124

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.66	6.85	1.9	A	1020	1530
2 - Bucknell Road S	0.47	4.53	0.9	A	726	1089
3 - Bucknell Road N	0.11	3.66	0.1	A	124	186

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1012	715	0.0	1.9	6.661	A
2 - Bucknell Road S	726	182	85	1529	0.475	722	994	0.0	0.9	4.488	A
3 - Bucknell Road N	124	31	659	1119	0.111	123	149	0.0	0.1	3.649	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.845	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

**08:15 - 08:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

**08:30 - 08:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

**08:45 - 09:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

**09:00 - 09:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A



# (Default Analysis Set) - 2021 Base + Split Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.12	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.12	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D4	2021 Base + Split Dev	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	804	100.000
2 - Bucknell Road S		FLAT	✓	868	100.000
3 - Bucknell Road N		FLAT	✓	113	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	7	719	78	
2 - Bucknell Road S	778	4	86	
3 - Bucknell Road N	49	64	0	

### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.89	0.10	
2 - Bucknell Road S	0.90	0.00	0.10	
3 - Bucknell Road N	0.43	0.57	0.00	

## Vehicle Mix

### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	804	804
	17:00-17:15	804	804
	17:15-17:30	804	804
	17:30-17:45	804	804
	17:45-18:00	804	804
	18:00-18:15	804	804
2 - Bucknell Road S	16:45-17:00	868	868
	17:00-17:15	868	868
	17:15-17:30	868	868
	17:30-17:45	868	868
	17:45-18:00	868	868
	18:00-18:15	868	868
3 - Bucknell Road N	16:45-17:00	113	113
	17:00-17:15	113	113
	17:15-17:30	113	113
	17:30-17:45	113	113
	17:45-18:00	113	113
	18:00-18:15	113	113

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.52	4.87	1.1	A	804	1206
2 - Bucknell Road S	0.57	5.50	1.3	A	868	1302
3 - Bucknell Road N	0.11	3.94	0.1	A	113	170

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	800	829	0.0	1.1	4.817	A
2 - Bucknell Road S	868	217	85	1530	0.567	863	783	0.0	1.3	5.411	A
3 - Bucknell Road N	113	28	784	1040	0.109	113	163	0.0	0.1	3.920	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.871	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**17:30 - 17:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

# (Default Analysis Set) - 2026 Base + Great Wolf, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	6.27	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.27	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D7	2026 Base + Great Wolf	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1074	100.000
2 - Bucknell Road S		FLAT	✓	764	100.000
3 - Bucknell Road N		FLAT	✓	129	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	9	984	81
2 - Bucknell Road S	679	8	77
3 - Bucknell Road N	68	61	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.92	0.08
2 - Bucknell Road S	0.89	0.01	0.10
3 - Bucknell Road N	0.53	0.47	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1074	1074
	08:00-08:15	1074	1074
	08:15-08:30	1074	1074
	08:30-08:45	1074	1074
	08:45-09:00	1074	1074
	09:00-09:15	1074	1074
2 - Bucknell Road S	07:45-08:00	764	764
	08:00-08:15	764	764
	08:15-08:30	764	764
	08:30-08:45	764	764
	08:45-09:00	764	764
	09:00-09:15	764	764
3 - Bucknell Road N	07:45-08:00	129	129
	08:00-08:15	129	129
	08:15-08:30	129	129
	08:30-08:45	129	129
	08:45-09:00	129	129
	09:00-09:15	129	129

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.69	7.64	2.3	A	1074	1611
2 - Bucknell Road S	0.50	4.77	1.0	A	764	1146
3 - Bucknell Road N	0.12	3.76	0.1	A	129	194

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1065	752	0.0	2.2	7.375	A
2 - Bucknell Road S	764	191	89	1527	0.500	760	1045	0.0	1.0	4.719	A
3 - Bucknell Road N	129	32	692	1098	0.117	128	157	0.0	0.1	3.748	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.2	2.2	7.638	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

**08:15 - 08:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.2	2.3	7.641	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

**08:30 - 08:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.3	2.3	7.644	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

**08:45 - 09:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.3	2.3	7.644	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

**09:00 - 09:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.3	2.3	7.644	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

# (Default Analysis Set) - 2026 Base + Great Wolf, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.50	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.50	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D8	2026 Base + Great Wolf	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	851	100.000
2 - Bucknell Road S		FLAT	✓	916	100.000
3 - Bucknell Road N		FLAT	✓	120	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	7	762	82
2 - Bucknell Road S	821	4	91
3 - Bucknell Road N	52	68	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.90	0.10
2 - Bucknell Road S	0.90	0.00	0.10
3 - Bucknell Road N	0.43	0.57	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	851	851
	17:00-17:15	851	851
	17:15-17:30	851	851
	17:30-17:45	851	851
	17:45-18:00	851	851
	18:00-18:15	851	851
2 - Bucknell Road S	16:45-17:00	916	916
	17:00-17:15	916	916
	17:15-17:30	916	916
	17:30-17:45	916	916
	17:45-18:00	916	916
	18:00-18:15	916	916
3 - Bucknell Road N	16:45-17:00	120	120
	17:00-17:15	120	120
	17:15-17:30	120	120
	17:30-17:45	120	120
	17:45-18:00	120	120
	18:00-18:15	120	120

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.55	5.22	1.2	A	851	1277
2 - Bucknell Road S	0.60	5.95	1.5	A	916	1374
3 - Bucknell Road N	0.12	4.09	0.1	A	120	180

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	846	874	0.0	1.2	5.148	A
2 - Bucknell Road S	916	229	88	1527	0.600	910	829	0.0	1.5	5.837	A
3 - Bucknell Road N	120	30	827	1013	0.118	119	172	0.0	0.1	4.067	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A



**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

**17:30 - 17:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

# (Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	6.33	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.33	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D9	2026 Base + Great Wolf + Split Dev	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1079	100.000
2 - Bucknell Road S		FLAT	✓	767	100.000
3 - Bucknell Road N		FLAT	✓	130	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	9	989	81
2 - Bucknell Road S	682	8	77
3 - Bucknell Road N	68	62	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.92	0.08
2 - Bucknell Road S	0.89	0.01	0.10
3 - Bucknell Road N	0.52	0.48	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1079	1079
	08:00-08:15	1079	1079
	08:15-08:30	1079	1079
	08:30-08:45	1079	1079
	08:45-09:00	1079	1079
	09:00-09:15	1079	1079
2 - Bucknell Road S	07:45-08:00	767	767
	08:00-08:15	767	767
	08:15-08:30	767	767
	08:30-08:45	767	767
	08:45-09:00	767	767
	09:00-09:15	767	767
3 - Bucknell Road N	07:45-08:00	130	130
	08:00-08:15	130	130
	08:15-08:30	130	130
	08:30-08:45	130	130
	08:45-09:00	130	130
	09:00-09:15	130	130

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.70	7.74	2.3	A	1079	1619
2 - Bucknell Road S	0.50	4.79	1.0	A	767	1151
3 - Bucknell Road N	0.12	3.77	0.1	A	130	195

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1070	755	0.0	2.3	7.456	A
2 - Bucknell Road S	767	192	89	1527	0.502	763	1050	0.0	1.0	4.737	A
3 - Bucknell Road N	130	33	695	1096	0.119	129	157	0.0	0.1	3.759	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.729	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

**08:15 - 08:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.734	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

**08:30 - 08:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.735	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

**08:45 - 09:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.735	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

**09:00 - 09:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.735	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

# (Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.54	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.54	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D10	2026 Base + Great Wolf + Split Dev	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	853	100.000
2 - Bucknell Road S		FLAT	✓	922	100.000
3 - Bucknell Road N		FLAT	✓	120	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	7	764	82	
2 - Bucknell Road S	827	4	91	
3 - Bucknell Road N	52	68	0	

### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.90	0.10	
2 - Bucknell Road S	0.90	0.00	0.10	
3 - Bucknell Road N	0.43	0.57	0.00	

## Vehicle Mix

### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	853	853
	17:00-17:15	853	853
	17:15-17:30	853	853
	17:30-17:45	853	853
	17:45-18:00	853	853
	18:00-18:15	853	853
2 - Bucknell Road S	16:45-17:00	922	922
	17:00-17:15	922	922
	17:15-17:30	922	922
	17:30-17:45	922	922
	17:45-18:00	922	922
	18:00-18:15	922	922
3 - Bucknell Road N	16:45-17:00	120	120
	17:00-17:15	120	120
	17:15-17:30	120	120
	17:30-17:45	120	120
	17:45-18:00	120	120
	18:00-18:15	120	120

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.55	5.23	1.2	A	853	1280
2 - Bucknell Road S	0.60	6.01	1.5	A	922	1383
3 - Bucknell Road N	0.12	4.10	0.1	A	120	180

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	848	880	0.0	1.2	5.160	A
2 - Bucknell Road S	922	231	88	1527	0.604	916	831	0.0	1.5	5.893	A
3 - Bucknell Road N	120	30	833	1009	0.119	119	172	0.0	0.1	4.084	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**17:30 - 17:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

## Appendix E-2



Junctions 10
PICADY 10 - Priority Intersection Module
Version: 10.0.2.1574 © Copyright TRL Software Limited, 2021
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Filename: Howes Lane\_Bucknell Road (2022)\_Split Dev Flows.j10  
 Path: P:\14000's\14042  
 Report generation date: 08/02/2022 12:06:12

- »2021 Base, AM
- »2021 Base, PM
- »2021 Base + Split Dev, AM
- »2021 Base + Split Dev, PM
- »2026 Base + Great Wolf, AM
- »2026 Base + Great Wolf, PM
- »2026 Base + Great Wolf + Split Dev, AM
- »2026 Base + Great Wolf + Split Dev, PM

**Summary of junction performance**

	AM			PM		
	Q (PCU)	Delay (s)	RFC	Q (PCU)	Delay (s)	RFC
<b>2021 Base</b>						
Stream B-C	5.3	31.54	0.85	29.9	122.09	1.06
Stream B-A	0.8	69.06	0.45	3.6	328.10	1.01
Stream C-AB	26.5	90.23	1.00	4.0	17.46	0.77
<b>2021 Base + Split Dev</b>						
Stream B-C	5.6	32.81	0.86	33.5	133.62	1.08
Stream B-A	0.8	74.14	0.47	3.9	328.77	1.02
Stream C-AB	29.8	100.02	1.01	4.1	17.79	0.78
<b>2026 Base + Great Wolf</b>						
Stream B-C	9.5	50.93	0.94	51.3	194.25	1.14
Stream B-A	2.1	169.36	0.78	4.5	558.62	1.08
Stream C-AB	54.8	172.02	1.07	5.3	21.59	0.82
<b>2026 Base + Great Wolf + Split Dev</b>						
Stream B-C	10.4	54.66	0.96	54.7	213.13	1.15
Stream B-A	2.4	197.97	0.85	4.8	581.43	1.09
Stream C-AB	60.6	189.29	1.08	5.4	22.02	0.83

Values shown are the highest values encountered over all time segments. Delay is the maximum value of Av. delay per arriving vehicle.

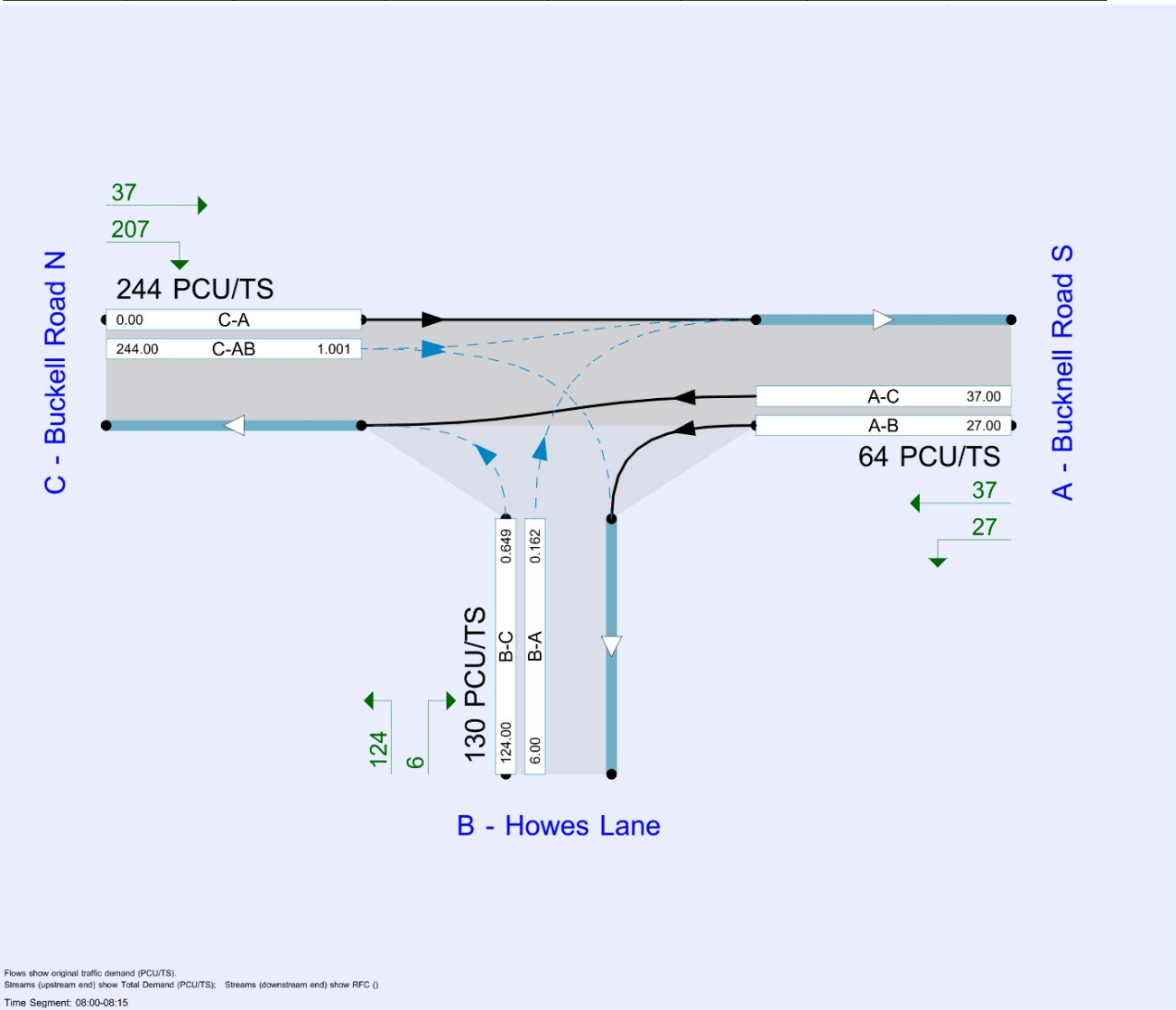
**File summary**

**File Description**

<b>Title</b>	Howes Lane/ Bucknell Road
<b>Location</b>	Bicester
<b>Site number</b>	
<b>Date</b>	04/01/2022
<b>Version</b>	
<b>Status</b>	(new file)
<b>Identifier</b>	
<b>Client</b>	
<b>Jobnumber</b>	
<b>Enumerator</b>	DTA\arcady
<b>Description</b>	

**Units**

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Av. delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perTimeSegment	s	-Min	perMin



### Analysis Options

Vehicle length (m)	Calculate Q Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Av. Delay threshold (s)	Q threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75				✓		0.85	36.00	20.00		500

### Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2021 Base	AM	DIRECT	08:00	09:00	60	15	✓
D2	2021 Base	PM	DIRECT	17:00	18:00	60	15	✓
D3	2021 Base + Split Dev	AM	DIRECT	08:00	09:00	60	15	✓
D4	2021 Base + Split Dev	PM	DIRECT	17:00	18:00	60	15	✓
D7	2026 Base + Great Wolf	AM	DIRECT	08:00	09:00	60	15	✓
D8	2026 Base + Great Wolf	PM	DIRECT	17:00	18:00	60	15	✓
D9	2026 Base + Great Wolf + Split Dev	AM	DIRECT	08:00	09:00	60	15	✓
D10	2026 Base + Great Wolf + Split Dev	PM	DIRECT	17:00	18:00	60	15	✓

### Analysis Set Details

ID	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100.000	100.000

# 2021 Base, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		58.83	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	58.83	F

## Arms

### Arms

Arm	Name	Description	Arm type
A	Bucknell Road S		Major
B	Howes Lane		Minor
C	Buckell Road N		Major

### Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Width of kerbed central reserve (m)	Has right-turn storage	Width for right-turn storage (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - Buckell Road N	6.50	✓	1.75	✓	2.20	140.0	✓	1.00

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

### Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B - Howes Lane	One lane plus flare	10.00	7.50	5.50	5.50	5.50		3.00	20	22

## Slope / Intercept / Capacity

### Custom Intercept Adjustments

Custom stream intercept adjustment	Stream	Use adjustment	Reason	Direct intercept adjustment (PCU/TS)
1	B-C	✓		21.00
2	C-B	✓		59.00

### Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/TS)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	113.058	0.078	0.196	0.123	0.280
B-C	212.279	0.115	0.290	-	-
C-B	222.760	0.248	0.248	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2021 Base	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:00 - 08:15	From	A - Bucknell Road S	0.00	26.00	35.00
		B - Howes Lane	6.00	0.00	117.00
		C - Buckell Road N	35.00	195.00	0.00

### Proportions

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:00 - 08:15	From	A - Bucknell Road S	0.00	0.43	0.57
		B - Howes Lane	0.05	0.00	0.95
		C - Buckell Road N	0.15	0.85	0.00

### Demand (PCU/TS)

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:15 - 08:30	From	A - Bucknell Road S	0.00	21.00	46.00
		B - Howes Lane	9.00	0.00	137.00
		C - Buckell Road N	61.00	190.00	0.00

### Proportions

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:15 - 08:30	From	A - Bucknell Road S	0.00	0.31	0.69
		B - Howes Lane	0.06	0.00	0.94
		C - Buckell Road N	0.24	0.76	0.00

### Demand (PCU/TS)

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:30 - 08:45	From	A - Bucknell Road S	0.00	25.00	36.00
		B - Howes Lane	11.00	0.00	156.00
		C - Buckell Road N	54.00	202.00	0.00

### Proportions

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:30 - 08:45	From	A - Bucknell Road S	0.00	0.41	0.59
		B - Howes Lane	0.07	0.00	0.93
		C - Buckell Road N	0.21	0.79	0.00

### Demand (PCU/TS)

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:45 - 09:00	From	A - Bucknell Road S	0.00	17.00	50.00
		B - Howes Lane	7.00	0.00	141.00
		C - Buckell Road N	48.00	207.00	0.00

### Proportions

		To			
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N	
08:45 - 09:00	From	A - Bucknell Road S	0.00	0.25	0.75
		B - Howes Lane	0.05	0.00	0.95
		C - Buckell Road N	0.19	0.81	0.00

## Vehicle Mix

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

## Detailed Demand Data

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	08:00-08:15	61.00	61.00
	08:15-08:30	67.00	67.00
	08:30-08:45	61.00	61.00
	08:45-09:00	67.00	67.00
B - Howes Lane	08:00-08:15	123.00	123.00
	08:15-08:30	146.00	146.00
	08:30-08:45	167.00	167.00
	08:45-09:00	148.00	148.00
C - Buckell Road N	08:00-08:15	230.00	230.00
	08:15-08:30	251.00	251.00
	08:30-08:45	256.00	256.00
	08:45-09:00	255.00	255.00

## Results

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	0.85	31.54	5.3	D	137.75	551.00
B-A	0.45	69.06	0.8	F	8.25	33.00
C-AB	1.00	90.23	26.5	F	244.13	976.51
C-A					3.87	15.49
A-B					22.25	89.00
A-C					41.75	167.00

**Main Results for each time segment**
**08:00 - 08:15**

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	117.00	117.00	192.50	0.608	115.36	0.0	1.6	12.582	B
B-A	6.00	6.00	41.86	0.143	5.82	0.0	0.2	27.344	D
C-AB	226.05	226.05	240.68	0.939	215.34	0.0	10.7	32.949	D
C-A	3.95	3.95			3.95				
A-B	26.00	26.00			26.00				
A-C	35.00	35.00			35.00				

**08:15 - 08:30**

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	137.00	137.00	184.49	0.743	135.71	1.6	2.9	19.762	C
B-A	9.00	9.00	31.75	0.283	8.77	0.2	0.4	42.660	E
C-AB	242.21	242.21	262.77	0.922	240.47	10.7	12.5	43.883	E
C-A	8.79	8.79			8.79				
A-B	21.00	21.00			21.00				
A-C	46.00	46.00			46.00				

**08:30 - 08:45**

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	156.00	156.00	182.67	0.854	153.63	2.9	5.3	31.535	D
B-A	11.00	11.00	24.58	0.447	10.62	0.4	0.8	69.057	F
C-AB	253.25	253.25	260.29	0.973	247.37	12.5	18.3	62.275	F
C-A	2.75	2.75			2.75				
A-B	25.00	25.00			25.00				
A-C	36.00	36.00			36.00				

**08:45 - 09:00**

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	141.00	141.00	183.98	0.766	142.38	5.3	3.9	24.609	C
B-A	7.00	7.00	25.28	0.277	7.34	0.8	0.5	56.089	F
C-AB	255.00	255.00	253.92	1.004	246.82	18.3	26.5	90.233	F
C-A	0.00	0.00			0.00				
A-B	17.00	17.00			17.00				
A-C	50.00	50.00			50.00				

# 2021 Base, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		63.87	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	63.87	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D2	2021 Base	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

17:00 - 17:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	6.00	41.00
	B - Howes Lane	6.00	0.00	196.00
	C - Buckell Road N	43.00	152.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.13	0.87
	B - Howes Lane	0.03	0.00	0.97
	C - Buckell Road N	0.22	0.78	0.00

### Demand (PCU/TS)

17:15 - 17:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	9.00	25.00
	B - Howes Lane	11.00	0.00	204.00
	C - Buckell Road N	45.00	154.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.26	0.74
	B - Howes Lane	0.05	0.00	0.95
	C - Buckell Road N	0.23	0.77	0.00



**Demand (PCU/TS)**

17:30 - 17:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	8.00	34.00
	B - Howes Lane	7.00	0.00	151.00
	C - Buckell Road N	41.00	164.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.19	0.81
	B - Howes Lane	0.04	0.00	0.96
	C - Buckell Road N	0.20	0.80	0.00

**Demand (PCU/TS)**

17:45 - 18:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	15.00	31.00
	B - Howes Lane	3.00	0.00	165.00
	C - Buckell Road N	48.00	141.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.33	0.67
	B - Howes Lane	0.02	0.00	0.98
	C - Buckell Road N	0.25	0.75	0.00

**Vehicle Mix**

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

**Detailed Demand Data**

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	17:00-17:15	47.00	47.00
	17:15-17:30	34.00	34.00
	17:30-17:45	42.00	42.00
	17:45-18:00	46.00	46.00
B - Howes Lane	17:00-17:15	202.00	202.00
	17:15-17:30	215.00	215.00
	17:30-17:45	158.00	158.00
	17:45-18:00	168.00	168.00
C - Buckell Road N	17:00-17:15	195.00	195.00
	17:15-17:30	199.00	199.00
	17:30-17:45	205.00	205.00
	17:45-18:00	189.00	189.00

**Results**

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	1.06	122.09	29.9	F	179.00	716.00
B-A	1.01	328.10	3.6	F	6.75	27.00
C-AB	0.77	17.46	4.0	C	176.28	705.12
C-A					20.72	82.88
A-B					9.50	38.00
A-C					32.75	131.00

### Main Results for each time segment

#### 17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	196.00	196.00	194.38	1.008	181.05	0.0	14.9	52.535	F
B-A	6.00	6.00	5.95	1.008	3.90	0.0	2.1	328.103	F
C-AB	174.97	174.97	242.99	0.720	171.92	0.0	3.1	13.538	B
C-A	20.03	20.03			20.03				
A-B	6.00	6.00			6.00				
A-C	41.00	41.00			41.00				

#### 17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	204.00	204.00	192.11	1.062	189.07	14.9	29.9	122.090	F
B-A	11.00	11.00	11.49	0.957	9.53	2.1	3.6	312.012	F
C-AB	177.94	177.94	247.64	0.719	177.85	3.1	3.1	14.296	B
C-A	21.06	21.06			21.06				
A-B	9.00	9.00			9.00				
A-C	25.00	25.00			25.00				

#### 17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	151.00	151.00	191.31	0.789	175.81	29.9	5.1	80.006	F
B-A	7.00	7.00	21.06	0.332	9.94	3.6	0.6	103.425	F
C-AB	189.04	189.04	244.75	0.772	188.20	3.1	4.0	17.455	C
C-A	15.96	15.96			15.96				
A-B	8.00	8.00			8.00				
A-C	34.00	34.00			34.00				

#### 17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	165.00	165.00	198.49	0.831	164.91	5.1	5.2	29.120	D
B-A	3.00	3.00	32.82	0.091	3.51	0.6	0.1	34.287	D
C-AB	163.17	163.17	244.56	0.667	164.48	4.0	2.7	12.675	B
C-A	25.83	25.83			25.83				
A-B	15.00	15.00			15.00				
A-C	31.00	31.00			31.00				

# 2021 Base + Split Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		64.73	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	64.73	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D3	2021 Base + Split Dev	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

08:00 - 08:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	26.00	35.00
	B - Howes Lane	6.00	0.00	118.00
	C - Buckell Road N	35.00	197.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.43	0.57
	B - Howes Lane	0.05	0.00	0.95
	C - Buckell Road N	0.15	0.85	0.00

### Demand (PCU/TS)

08:15 - 08:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	22.00	46.00
	B - Howes Lane	9.00	0.00	138.00
	C - Buckell Road N	61.00	192.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.32	0.68
	B - Howes Lane	0.06	0.00	0.94
	C - Buckell Road N	0.24	0.76	0.00

**Demand (PCU/TS)**

08:30 - 08:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	25.00	36.00
	B - Howes Lane	11.00	0.00	157.00
	C - Buckell Road N	54.00	204.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.41	0.59
	B - Howes Lane	0.07	0.00	0.93
	C - Buckell Road N	0.21	0.79	0.00

**Demand (PCU/TS)**

08:45 - 09:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	17.00	50.00
	B - Howes Lane	7.00	0.00	141.00
	C - Buckell Road N	48.00	209.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.25	0.75
	B - Howes Lane	0.05	0.00	0.95
	C - Buckell Road N	0.19	0.81	0.00

## Vehicle Mix

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

## Detailed Demand Data

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	08:00-08:15	61.00	61.00
	08:15-08:30	68.00	68.00
	08:30-08:45	61.00	61.00
	08:45-09:00	67.00	67.00
B - Howes Lane	08:00-08:15	124.00	124.00
	08:15-08:30	147.00	147.00
	08:30-08:45	168.00	168.00
	08:45-09:00	148.00	148.00
C - Buckell Road N	08:00-08:15	232.00	232.00
	08:15-08:30	253.00	253.00
	08:30-08:45	258.00	258.00
	08:45-09:00	257.00	257.00

## Results

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	0.86	32.81	5.6	D	138.50	554.00
B-A	0.47	74.14	0.8	F	8.25	33.00
C-AB	1.01	100.02	29.8	F	246.82	987.27
C-A					3.18	12.73
A-B					22.50	90.00
A-C					41.75	167.00

### Main Results for each time segment

#### 08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	118.00	118.00	192.41	0.613	116.32	0.0	1.7	12.747	B
B-A	6.00	6.00	41.20	0.146	5.82	0.0	0.2	27.849	D
C-AB	228.66	228.66	240.98	0.949	217.17	0.0	11.5	34.572	D
C-A	3.34	3.34			3.34				
A-B	26.00	26.00			26.00				
A-C	35.00	35.00			35.00				

#### 08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	138.00	138.00	184.08	0.750	136.64	1.7	3.0	20.281	C
B-A	9.00	9.00	30.78	0.292	8.76	0.2	0.4	44.483	E
C-AB	245.39	245.39	263.13	0.933	243.18	11.5	13.7	48.000	E
C-A	7.61	7.61			7.61				
A-B	22.00	22.00			22.00				
A-C	46.00	46.00			46.00				

#### 08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	157.00	157.00	182.17	0.862	154.48	3.0	5.6	32.807	D
B-A	11.00	11.00	23.53	0.468	10.58	0.4	0.8	74.137	F
C-AB	256.22	256.22	260.76	0.983	249.57	13.7	20.4	68.361	F
C-A	1.78	1.78			1.78				
A-B	25.00	25.00			25.00				
A-C	36.00	36.00			36.00				

#### 08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	141.00	141.00	183.46	0.769	142.58	5.6	4.0	25.136	D
B-A	7.00	7.00	24.40	0.287	7.37	0.8	0.5	59.201	F
C-AB	257.00	257.00	253.46	1.014	247.60	20.3	29.8	100.015	F
C-A	0.00	0.00			0.00				
A-B	17.00	17.00			17.00				
A-C	50.00	50.00			50.00				

# 2021 Base + Split Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		69.23	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	69.23	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D4	2021 Base + Split Dev	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

17:00 - 17:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	6.00	41.00
	B - Howes Lane	6.00	0.00	198.00
	C - Buckell Road N	43.00	153.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.13	0.87
	B - Howes Lane	0.03	0.00	0.97
	C - Buckell Road N	0.22	0.78	0.00

### Demand (PCU/TS)

17:15 - 17:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	9.00	25.00
	B - Howes Lane	12.00	0.00	206.00
	C - Buckell Road N	45.00	155.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.26	0.74
	B - Howes Lane	0.06	0.00	0.94
	C - Buckell Road N	0.23	0.78	0.00

**Demand (PCU/TS)**

 17:30 -  
17:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Bucknell Road N
From	A - Bucknell Road S	0.00	8.00	34.00
	B - Howes Lane	7.00	0.00	153.00
	C - Bucknell Road N	41.00	165.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Bucknell Road N
From	A - Bucknell Road S	0.00	0.19	0.81
	B - Howes Lane	0.04	0.00	0.96
	C - Bucknell Road N	0.20	0.80	0.00

**Demand (PCU/TS)**

 17:45 -  
18:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Bucknell Road N
From	A - Bucknell Road S	0.00	15.00	31.00
	B - Howes Lane	3.00	0.00	167.00
	C - Bucknell Road N	48.00	142.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Bucknell Road N
From	A - Bucknell Road S	0.00	0.33	0.67
	B - Howes Lane	0.02	0.00	0.98
	C - Bucknell Road N	0.25	0.75	0.00

## Vehicle Mix

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Bucknell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Bucknell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Bucknell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Bucknell Road N	1.100	1.100	1.000

## Detailed Demand Data

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	17:00-17:15	47.00	47.00
	17:15-17:30	34.00	34.00
	17:30-17:45	42.00	42.00
	17:45-18:00	46.00	46.00
B - Howes Lane	17:00-17:15	204.00	204.00
	17:15-17:30	218.00	218.00
	17:30-17:45	160.00	160.00
	17:45-18:00	170.00	170.00
C - Bucknell Road N	17:00-17:15	196.00	196.00
	17:15-17:30	200.00	200.00
	17:30-17:45	206.00	206.00
	17:45-18:00	190.00	190.00

## Results

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	1.08	133.62	33.5	F	181.00	724.00
B-A	1.02	328.77	3.9	F	7.00	28.00
C-AB	0.78	17.79	4.1	C	177.58	710.30
C-A					20.42	81.70
A-B					9.50	38.00
A-C					32.75	131.00

### Main Results for each time segment

#### 17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	198.00	198.00	194.35	1.019	181.91	0.0	16.1	55.179	F
B-A	6.00	6.00	5.89	1.019	3.88	0.0	2.1	328.765	F
C-AB	176.26	176.26	243.18	0.725	173.14	0.0	3.1	13.723	B
C-A	19.74	19.74			19.74				
A-B	6.00	6.00			6.00				
A-C	41.00	41.00			41.00				

#### 17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	206.00	206.00	191.06	1.078	188.62	16.1	33.5	133.622	F
B-A	12.00	12.00	12.15	0.988	10.24	2.1	3.9	325.586	F
C-AB	179.24	179.24	247.84	0.723	179.15	3.1	3.2	14.528	B
C-A	20.76	20.76			20.76				
A-B	9.00	9.00			9.00				
A-C	25.00	25.00			25.00				

#### 17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	153.00	153.00	190.90	0.801	180.60	33.5	5.9	97.554	F
B-A	7.00	7.00	15.57	0.450	9.75	3.9	1.1	190.516	F
C-AB	190.33	190.33	244.93	0.777	189.46	3.2	4.1	17.790	C
C-A	15.67	15.67			15.67				
A-B	8.00	8.00			8.00				
A-C	34.00	34.00			34.00				

#### 17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	167.00	167.00	198.04	0.843	167.00	5.9	5.9	31.833	D
B-A	3.00	3.00	30.49	0.098	4.01	1.1	0.1	38.609	E
C-AB	164.47	164.47	244.78	0.672	165.82	4.1	2.7	12.866	B
C-A	25.53	25.53			25.53				
A-B	15.00	15.00			15.00				
A-C	31.00	31.00			31.00				



# 2026 Base + Great Wolf, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		111.38	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	111.38	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D7	2026 Base + Great Wolf	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

08:00 - 08:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	27.00	37.00
	B - Howes Lane	6.00	0.00	124.00
	C - Buckell Road N	37.00	207.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.42	0.58
	B - Howes Lane	0.05	0.00	0.95
	C - Buckell Road N	0.15	0.85	0.00

### Demand (PCU/TS)

08:15 - 08:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	22.00	48.00
	B - Howes Lane	9.00	0.00	145.00
	C - Buckell Road N	64.00	201.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.31	0.69
	B - Howes Lane	0.06	0.00	0.94
	C - Buckell Road N	0.24	0.76	0.00

**Demand (PCU/TS)**

08:30 - 08:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	26.00	38.00
	B - Howes Lane	12.00	0.00	165.00
	C - Buckell Road N	57.00	214.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.41	0.59
	B - Howes Lane	0.07	0.00	0.93
	C - Buckell Road N	0.21	0.79	0.00

**Demand (PCU/TS)**

08:45 - 09:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	18.00	53.00
	B - Howes Lane	7.00	0.00	149.00
	C - Buckell Road N	51.00	219.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.25	0.75
	B - Howes Lane	0.04	0.00	0.96
	C - Buckell Road N	0.19	0.81	0.00

**Vehicle Mix**

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

**Detailed Demand Data**

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	08:00-08:15	64.00	64.00
	08:15-08:30	70.00	70.00
	08:30-08:45	64.00	64.00
	08:45-09:00	71.00	71.00
B - Howes Lane	08:00-08:15	130.00	130.00
	08:15-08:30	154.00	154.00
	08:30-08:45	177.00	177.00
	08:45-09:00	156.00	156.00
C - Buckell Road N	08:00-08:15	244.00	244.00
	08:15-08:30	265.00	265.00
	08:30-08:45	271.00	271.00
	08:45-09:00	270.00	270.00

**Results**

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	0.94	50.93	9.5	F	145.75	583.00
B-A	0.78	169.36	2.1	F	8.50	34.00
C-AB	1.07	172.02	54.8	F	261.85	1047.42
C-A					0.65	2.58
A-B					23.25	93.00
A-C					44.00	176.00

## Main Results for each time segment

### 08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	124.00	124.00	191.15	0.649	122.06	0.0	1.9	13.967	B
B-A	6.00	6.00	37.01	0.162	5.80	0.0	0.2	31.331	D
C-AB	244.00	244.00	243.85	1.001	227.03	0.0	17.0	44.790	E
C-A	0.00	0.00			0.00				
A-B	27.00	27.00			27.00				
A-C	37.00	37.00			37.00				

### 08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	145.00	145.00	181.51	0.799	143.07	1.9	3.9	24.549	C
B-A	9.00	9.00	24.97	0.360	8.64	0.2	0.6	59.427	F
C-AB	262.42	262.42	268.14	0.979	257.19	17.0	22.2	73.692	F
C-A	2.58	2.58			2.58				
A-B	22.00	22.00			22.00				
A-C	48.00	48.00			48.00				

### 08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	165.00	165.00	174.62	0.945	159.33	3.9	9.5	50.929	F
B-A	12.00	12.00	15.38	0.780	10.48	0.6	2.1	169.364	F
C-AB	271.00	271.00	261.97	1.034	257.38	22.2	35.8	111.209	F
C-A	0.00	0.00			0.00				
A-B	26.00	26.00			26.00				
A-C	38.00	38.00			38.00				

### 08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	149.00	149.00	174.52	0.854	151.00	9.5	7.5	45.371	E
B-A	7.00	7.00	15.02	0.466	7.94	2.1	1.2	149.331	F
C-AB	270.00	270.00	252.90	1.068	251.04	35.8	54.8	172.020	F
C-A	0.00	0.00			0.00				
A-B	18.00	18.00			18.00				
A-C	53.00	53.00			53.00				

# 2026 Base + Great Wolf, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		99.89	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	99.89	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D8	2026 Base + Great Wolf	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

17:00 - 17:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	6.00	43.00
	B - Howes Lane	6.00	0.00	208.00
	C - Buckell Road N	45.00	162.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.12	0.88
	B - Howes Lane	0.03	0.00	0.97
	C - Buckell Road N	0.22	0.78	0.00

### Demand (PCU/TS)

17:15 - 17:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	9.00	26.00
	B - Howes Lane	12.00	0.00	217.00
	C - Buckell Road N	47.00	164.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.26	0.74
	B - Howes Lane	0.05	0.00	0.95
	C - Buckell Road N	0.22	0.78	0.00

**Demand (PCU/TS)**

 17:30 -  
17:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	8.00	36.00
	B - Howes Lane	7.00	0.00	161.00
	C - Buckell Road N	43.00	174.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.18	0.82
	B - Howes Lane	0.04	0.00	0.96
	C - Buckell Road N	0.20	0.80	0.00

**Demand (PCU/TS)**

 17:45 -  
18:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	16.00	33.00
	B - Howes Lane	3.00	0.00	176.00
	C - Buckell Road N	51.00	150.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.33	0.67
	B - Howes Lane	0.02	0.00	0.98
	C - Buckell Road N	0.25	0.75	0.00

## Vehicle Mix

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

## Detailed Demand Data

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	17:00-17:15	49.00	49.00
	17:15-17:30	35.00	35.00
	17:30-17:45	44.00	44.00
	17:45-18:00	49.00	49.00
B - Howes Lane	17:00-17:15	214.00	214.00
	17:15-17:30	229.00	229.00
	17:30-17:45	168.00	168.00
	17:45-18:00	179.00	179.00
C - Buckell Road N	17:00-17:15	207.00	207.00
	17:15-17:30	211.00	211.00
	17:30-17:45	217.00	217.00
	17:45-18:00	201.00	201.00

## Results

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	1.14	194.25	51.3	F	190.50	762.00
B-A	1.08	558.62	4.5	F	7.00	28.00
C-AB	0.82	21.59	5.3	C	190.44	761.75
C-A					18.56	74.25
A-B					9.75	39.00
A-C					34.50	138.00

## Main Results for each time segment

### 17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	208.00	208.00	193.47	1.075	184.74	0.0	23.3	71.347	F
B-A	6.00	6.00	5.58	1.075	3.75	0.0	2.3	351.507	F
C-AB	189.27	189.27	246.05	0.769	185.36	0.0	3.9	15.677	C
C-A	17.73	17.73			17.73				
A-B	6.00	6.00			6.00				
A-C	43.00	43.00			43.00				

### 17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217.00	217.00	189.97	1.142	188.98	23.3	51.3	191.823	F
B-A	12.00	12.00	11.27	1.065	9.79	2.3	4.5	406.342	F
C-AB	192.26	192.26	250.96	0.766	192.13	3.9	4.0	17.020	C
C-A	18.74	18.74			18.74				
A-B	9.00	9.00			9.00				
A-C	26.00	26.00			26.00				

### 17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	161.00	161.00	189.08	0.852	185.11	51.3	27.2	194.253	F
B-A	7.00	7.00	10.21	0.686	8.06	4.5	3.4	497.626	F
C-AB	203.54	203.54	247.79	0.821	202.30	4.0	5.3	21.590	C
C-A	13.46	13.46			13.46				
A-B	8.00	8.00			8.00				
A-C	36.00	36.00			36.00				

### 17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	176.00	176.00	195.05	0.902	188.32	27.2	14.9	107.709	F
B-A	3.00	3.00	6.15	0.488	4.64	3.4	1.8	558.621	F
C-AB	176.68	176.68	248.06	0.712	178.57	5.3	3.4	14.826	B
C-A	24.32	24.32			24.32				
A-B	16.00	16.00			16.00				
A-C	33.00	33.00			33.00				

# 2026 Base + Great Wolf + Split Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		122.55	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	122.55	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D9	2026 Base + Great Wolf + Split Dev	AM	DIRECT	08:00	09:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

08:00 - 08:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	27.00	37.00
	B - Howes Lane	6.00	0.00	125.00
	C - Buckell Road N	37.00	208.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.42	0.58
	B - Howes Lane	0.05	0.00	0.95
	C - Buckell Road N	0.15	0.85	0.00

### Demand (PCU/TS)

08:15 - 08:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	23.00	48.00
	B - Howes Lane	9.00	0.00	146.00
	C - Buckell Road N	64.00	203.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.32	0.68
	B - Howes Lane	0.06	0.00	0.94
	C - Buckell Road N	0.24	0.76	0.00

**Demand (PCU/TS)**

08:30 - 08:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	26.00	38.00
	B - Howes Lane	12.00	0.00	166.00
	C - Buckell Road N	57.00	216.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.41	0.59
	B - Howes Lane	0.07	0.00	0.93
	C - Buckell Road N	0.21	0.79	0.00

**Demand (PCU/TS)**

08:45 - 09:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	18.00	53.00
	B - Howes Lane	7.00	0.00	149.00
	C - Buckell Road N	51.00	221.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.25	0.75
	B - Howes Lane	0.04	0.00	0.96
	C - Buckell Road N	0.19	0.81	0.00

**Vehicle Mix**

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

**Detailed Demand Data**

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	08:00-08:15	64.00	64.00
	08:15-08:30	71.00	71.00
	08:30-08:45	64.00	64.00
	08:45-09:00	71.00	71.00
B - Howes Lane	08:00-08:15	131.00	131.00
	08:15-08:30	155.00	155.00
	08:30-08:45	178.00	178.00
	08:45-09:00	156.00	156.00
C - Buckell Road N	08:00-08:15	245.00	245.00
	08:15-08:30	267.00	267.00
	08:30-08:45	273.00	273.00
	08:45-09:00	272.00	272.00

**Results**

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	0.96	54.66	10.4	F	146.50	586.00
B-A	0.85	197.97	2.4	F	8.50	34.00
C-AB	1.08	189.29	60.6	F	263.93	1055.74
C-A					0.32	1.26
A-B					23.50	94.00
A-C					44.00	176.00



### Main Results for each time segment

#### 08:00 - 08:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	125.00	125.00	191.10	0.654	123.01	0.0	2.0	14.160	B
B-A	6.00	6.00	36.59	0.164	5.79	0.0	0.2	31.953	D
C-AB	245.00	245.00	243.67	1.005	227.42	0.0	17.6	45.946	E
C-A	0.00	0.00			0.00				
A-B	27.00	27.00			27.00				
A-C	37.00	37.00			37.00				

#### 08:15 - 08:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	146.00	146.00	180.99	0.807	143.95	2.0	4.0	25.374	D
B-A	9.00	9.00	24.04	0.374	8.61	0.2	0.6	62.761	F
C-AB	265.74	265.74	268.53	0.990	259.04	17.6	24.3	79.058	F
C-A	1.26	1.26			1.26				
A-B	23.00	23.00			23.00				
A-C	48.00	48.00			48.00				

#### 08:30 - 08:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	166.00	166.00	173.33	0.958	159.60	4.0	10.4	54.664	F
B-A	12.00	12.00	14.16	0.847	10.16	0.6	2.4	197.966	F
C-AB	273.00	273.00	261.46	1.044	257.66	24.3	39.6	121.683	F
C-A	0.00	0.00			0.00				
A-B	26.00	26.00			26.00				
A-C	38.00	38.00			38.00				

#### 08:45 - 09:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	149.00	149.00	171.57	0.868	150.78	10.4	8.7	51.631	F
B-A	7.00	7.00	13.61	0.514	7.99	2.4	1.4	188.690	F
C-AB	272.00	272.00	252.47	1.077	250.98	39.6	60.6	189.290	F
C-A	0.00	0.00			0.00				
A-B	18.00	18.00			18.00				
A-C	53.00	53.00			53.00				

# 2026 Base + Great Wolf + Split Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way		108.87	F

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	108.87	F

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D10	2026 Base + Great Wolf + Split Dev	PM	DIRECT	17:00	18:00	60	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - Bucknell Road S		DIRECT	✓	100.000
B - Howes Lane		DIRECT	✓	100.000
C - Buckell Road N		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (PCU/TS)

17:00 - 17:15

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	6.00	43.00
	B - Howes Lane	6.00	0.00	210.00
	C - Buckell Road N	45.00	162.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.12	0.88
	B - Howes Lane	0.03	0.00	0.97
	C - Buckell Road N	0.22	0.78	0.00

### Demand (PCU/TS)

17:15 - 17:30

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	9.00	26.00
	B - Howes Lane	13.00	0.00	218.00
	C - Buckell Road N	47.00	164.00	0.00

### Proportions

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.26	0.74
	B - Howes Lane	0.06	0.00	0.94
	C - Buckell Road N	0.22	0.78	0.00

**Demand (PCU/TS)**

17:30 - 17:45

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	8.00	36.00
	B - Howes Lane	7.00	0.00	162.00
	C - Buckell Road N	43.00	175.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.18	0.82
	B - Howes Lane	0.04	0.00	0.96
	C - Buckell Road N	0.20	0.80	0.00

**Demand (PCU/TS)**

17:45 - 18:00

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	16.00	33.00
	B - Howes Lane	3.00	0.00	177.00
	C - Buckell Road N	51.00	151.00	0.00

**Proportions**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0.00	0.33	0.67
	B - Howes Lane	0.02	0.00	0.98
	C - Buckell Road N	0.25	0.75	0.00

**Vehicle Mix**

**HV %s**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	0	10	10
	B - Howes Lane	10	0	10
	C - Buckell Road N	10	10	0

**Av. PCU Per Veh**

		To		
		A - Bucknell Road S	B - Howes Lane	C - Buckell Road N
From	A - Bucknell Road S	1.000	1.100	1.100
	B - Howes Lane	1.100	1.000	1.100
	C - Buckell Road N	1.100	1.100	1.000

**Detailed Demand Data**

**Demand for each time segment**

Arm	Time Segment	Demand (PCU/TS)	Demand in PCU (PCU/TS)
A - Bucknell Road S	17:00-17:15	49.00	49.00
	17:15-17:30	35.00	35.00
	17:30-17:45	44.00	44.00
	17:45-18:00	49.00	49.00
B - Howes Lane	17:00-17:15	216.00	216.00
	17:15-17:30	231.00	231.00
	17:30-17:45	169.00	169.00
	17:45-18:00	180.00	180.00
C - Buckell Road N	17:00-17:15	207.00	207.00
	17:15-17:30	211.00	211.00
	17:30-17:45	218.00	218.00
	17:45-18:00	202.00	202.00

**Results**

**Results Summary for whole modelled period**

Stream	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/TS)	Total Junction Arrivals (PCU)
B-C	1.15	213.13	54.7	F	191.75	767.00
B-A	1.09	581.43	4.8	F	7.25	29.00
C-AB	0.83	22.02	5.4	C	191.10	764.42
C-A					18.40	73.58
A-B					9.75	39.00
A-C					34.50	138.00

## Main Results for each time segment

### 17:00 - 17:15

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	210.00	210.00	193.47	1.085	185.24	0.0	24.8	74.641	F
B-A	6.00	6.00	5.53	1.085	3.73	0.0	2.3	351.621	F
C-AB	189.27	189.27	246.05	0.769	185.36	0.0	3.9	15.677	C
C-A	17.73	17.73			17.73				
A-B	6.00	6.00			6.00				
A-C	43.00	43.00			43.00				

### 17:15 - 17:30

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	218.00	218.00	188.93	1.154	188.08	24.8	54.7	204.022	F
B-A	13.00	13.00	11.89	1.094	10.44	2.3	4.8	407.610	F
C-AB	192.26	192.26	250.96	0.766	192.13	3.9	4.0	17.020	C
C-A	18.74	18.74			18.74				
A-B	9.00	9.00			9.00				
A-C	26.00	26.00			26.00				

### 17:30 - 17:45

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	162.00	162.00	188.63	0.859	184.91	54.7	31.8	213.132	F
B-A	7.00	7.00	10.30	0.680	8.45	4.8	3.4	528.528	F
C-AB	204.86	204.86	247.98	0.826	203.48	4.0	5.4	22.018	C
C-A	13.14	13.14			13.14				
A-B	8.00	8.00			8.00				
A-C	36.00	36.00			36.00				

### 17:45 - 18:00

Stream	Total Demand (PCU/TS)	Junction Arrivals (PCU)	Capacity (PCU/TS)	RFC	Throughput (PCU/TS)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	177.00	177.00	195.04	0.908	190.59	31.8	18.2	127.891	F
B-A	3.00	3.00	5.96	0.503	4.51	3.4	1.9	581.433	F
C-AB	178.02	178.02	248.28	0.717	179.96	5.4	3.5	15.102	C
C-A	23.98	23.98			23.98				
A-B	16.00	16.00			16.00				
A-C	33.00	33.00			33.00				

## Appendix E-3

Junctions 10
ARCADY 10 - Roundabout Module
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Filename: Bucknall Road - A4095 (2022)\_Split Dev Flows.j10  
 Path: P:\14000\s\14042  
 Report generation date: 08/02/2022 12:07:52

- »(Default Analysis Set) - 2021 Base, AM
- »(Default Analysis Set) - 2021 Base, PM
- »(Default Analysis Set) - 2021 Base + Split Dev, AM
- »(Default Analysis Set) - 2021 Base + Split Dev, PM
- »(Default Analysis Set) - 2026 Base + Great Wolf, AM
- »(Default Analysis Set) - 2026 Base + Great Wolf, PM
- »(Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, AM
- »(Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, PM

**Summary of junction performance**

	AM			PM		
	Q (PCU)	Delay (s)	RFC	Q (PCU)	Delay (s)	RFC
<b>A1 - 2021 Base</b>						
1 - A4095	1.9	6.78	0.65	1.1	4.86	0.52
2 - Bucknell Road S	0.9	4.51	0.47	1.3	5.45	0.56
3 - Bucknell Road N	0.1	3.65	0.11	0.1	3.92	0.11
<b>A1 - 2021 Base + Split Dev</b>						
1 - A4095	1.9	6.85	0.66	1.1	4.87	0.52
2 - Bucknell Road S	0.9	4.53	0.47	1.3	5.50	0.57
3 - Bucknell Road N	0.1	3.66	0.11	0.1	3.94	0.11
<b>A1 - 2026 Base + Great Wolf</b>						
1 - A4095	2.3	7.64	0.69	1.2	5.22	0.55
2 - Bucknell Road S	1.0	4.77	0.50	1.5	5.95	0.60
3 - Bucknell Road N	0.1	3.76	0.12	0.1	4.09	0.12
<b>A1 - 2026 Base + Great Wolf + Split Dev</b>						
1 - A4095	2.3	7.74	0.70	1.2	5.23	0.55
2 - Bucknell Road S	1.0	4.79	0.50	1.5	6.01	0.60
3 - Bucknell Road N	0.1	3.77	0.12	0.1	4.10	0.12

Values shown are the highest values encountered over all time segments. Delay is the maximum value of Av. delay per arriving vehicle.

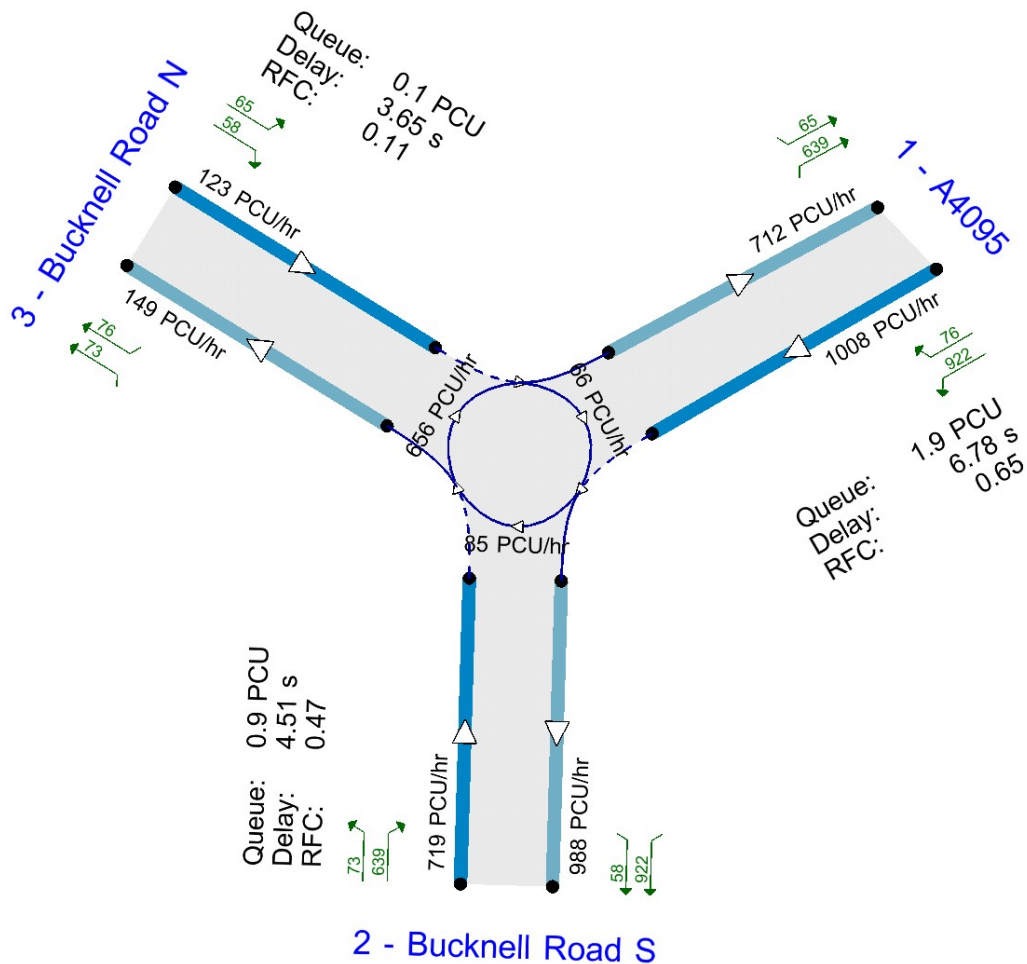
**File summary**

**File Description**

<b>Title</b>	A4095/ Bucknall Road
<b>Location</b>	Bicester
<b>Site number</b>	
<b>Date</b>	04/01/2022
<b>Version</b>	
<b>Status</b>	(new file)
<b>Identifier</b>	
<b>Client</b>	
<b>Jobnumber</b>	
<b>Enumerator</b>	DTA\arcady
<b>Description</b>	

**Units**

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Av. delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin



Flows show modelled flow through junction (PCU/hr).  
Time Segment: 07:45-08:00

The junction diagram reflects the last run of Junctions.

### Analysis Options

Vehicle length (m)	Calculate Q Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Av. Delay threshold (s)	Q threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75						0.85	36.00	20.00		500

### Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2021 Base	AM	FLAT	07:45	09:15	90	15	✓
D2	2021 Base	PM	FLAT	16:45	18:15	90	15	✓
D3	2021 Base + Split Dev	AM	FLAT	07:45	09:15	90	15	✓
D4	2021 Base + Split Dev	PM	FLAT	16:45	18:15	90	15	✓
D7	2026 Base + Great Wolf	AM	FLAT	07:45	09:15	90	15	✓
D8	2026 Base + Great Wolf	PM	FLAT	16:45	18:15	90	15	✓
D9	2026 Base + Great Wolf + Split Dev	AM	FLAT	07:45	09:15	90	15	✓
D10	2026 Base + Great Wolf + Split Dev	PM	FLAT	16:45	18:15	90	15	✓

### Analysis Set Details

ID	Name	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	(Default Analysis Set)	✓	100.000	100.000



# (Default Analysis Set) - 2021 Base, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.69	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.69	A

## Arms

### Arms

Arm	Name	Description	No give-way line
1	A4095		
2	Bucknell Road S		
3	Bucknell Road N		

### Roundabout Geometry

Arm	V (m)	E (m)	I' (m)	R (m)	D (m)	PHI (deg)	Entry only	Exit only
1 - A4095	2.75	9.00	10.3	69.7	31.0	17.0		
2 - Bucknell Road S	4.10	6.10	8.8	23.6	31.0	34.0		
3 - Bucknell Road N	3.00	7.60	10.4	23.1	31.0	22.0		

### Slope / Intercept / Capacity

#### Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1 - A4095	0.660	1595
2 - Bucknell Road S	0.631	1583
3 - Bucknell Road N	0.634	1537

The slope and intercept shown above include any corrections and adjustments.

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D1	2021 Base	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1015	100.000
2 - Bucknell Road S		FLAT	✓	723	100.000
3 - Bucknell Road N		FLAT	✓	123	100.000

### Origin-Destination Data

#### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	9	929	77	
2 - Bucknell Road S	642	8	73	
3 - Bucknell Road N	65	58	0	

#### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.92	0.08	
2 - Bucknell Road S	0.89	0.01	0.10	
3 - Bucknell Road N	0.53	0.47	0.00	

### Vehicle Mix

#### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

#### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

### Detailed Demand Data

#### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1015	1015
	08:00-08:15	1015	1015
	08:15-08:30	1015	1015
	08:30-08:45	1015	1015
	08:45-09:00	1015	1015
	09:00-09:15	1015	1015
2 - Bucknell Road S	07:45-08:00	723	723
	08:00-08:15	723	723
	08:15-08:30	723	723
	08:30-08:45	723	723
	08:45-09:00	723	723
	09:00-09:15	723	723
3 - Bucknell Road N	07:45-08:00	123	123
	08:00-08:15	123	123
	08:15-08:30	123	123
	08:30-08:45	123	123
	08:45-09:00	123	123
	09:00-09:15	123	123

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.65	6.78	1.9	A	1015	1523
2 - Bucknell Road S	0.47	4.51	0.9	A	723	1085
3 - Bucknell Road N	0.11	3.65	0.1	A	123	185

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1008	712	0.0	1.9	6.593	A
2 - Bucknell Road S	723	181	85	1529	0.473	719	988	0.0	0.9	4.471	A
3 - Bucknell Road N	123	31	656	1121	0.110	123	149	0.0	0.1	3.638	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.773	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

#### 08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

#### 08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

#### 08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1015	254	66	1552	0.654	1015	716	1.9	1.9	6.775	A
2 - Bucknell Road S	723	181	86	1529	0.473	723	995	0.9	0.9	4.512	A
3 - Bucknell Road N	123	31	659	1119	0.110	123	150	0.1	0.1	3.649	A

# (Default Analysis Set) - 2021 Base, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.08	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.08	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D2	2021 Base	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	802	100.000
2 - Bucknell Road S		FLAT	✓	862	100.000
3 - Bucknell Road N		FLAT	✓	113	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	7	717	78
2 - Bucknell Road S	772	4	86
3 - Bucknell Road N	49	64	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.89	0.10
2 - Bucknell Road S	0.90	0.00	0.10
3 - Bucknell Road N	0.43	0.57	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	802	802
	17:00-17:15	802	802
	17:15-17:30	802	802
	17:30-17:45	802	802
	17:45-18:00	802	802
	18:00-18:15	802	802
2 - Bucknell Road S	16:45-17:00	862	862
	17:00-17:15	862	862
	17:15-17:30	862	862
	17:30-17:45	862	862
	17:45-18:00	862	862
	18:00-18:15	862	862
3 - Bucknell Road N	16:45-17:00	113	113
	17:00-17:15	113	113
	17:15-17:30	113	113
	17:30-17:45	113	113
	17:45-18:00	113	113
	18:00-18:15	113	113

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.52	4.86	1.1	A	802	1203
2 - Bucknell Road S	0.56	5.45	1.3	A	862	1293
3 - Bucknell Road N	0.11	3.92	0.1	A	113	170

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	798	823	0.0	1.1	4.804	A
2 - Bucknell Road S	862	216	85	1530	0.564	857	781	0.0	1.3	5.365	A
3 - Bucknell Road N	113	28	778	1043	0.108	113	163	0.0	0.1	3.904	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1041	0.109	113	164	0.1	0.1	3.919	A

**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

**17:30 - 17:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	802	201	68	1550	0.517	802	828	1.1	1.1	4.858	A
2 - Bucknell Road S	862	216	85	1529	0.564	862	785	1.3	1.3	5.448	A
3 - Bucknell Road N	113	28	783	1040	0.109	113	164	0.1	0.1	3.919	A

# (Default Analysis Set) - 2021 Base + Split Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.74	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.74	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D3	2021 Base + Split Dev	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1020	100.000
2 - Bucknell Road S		FLAT	✓	726	100.000
3 - Bucknell Road N		FLAT	✓	124	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	9	934	77
2 - Bucknell Road S	645	8	73
3 - Bucknell Road N	65	59	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.92	0.08
2 - Bucknell Road S	0.89	0.01	0.10
3 - Bucknell Road N	0.52	0.48	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010



## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1020	1020
	08:00-08:15	1020	1020
	08:15-08:30	1020	1020
	08:30-08:45	1020	1020
	08:45-09:00	1020	1020
	09:00-09:15	1020	1020
2 - Bucknell Road S	07:45-08:00	726	726
	08:00-08:15	726	726
	08:15-08:30	726	726
	08:30-08:45	726	726
	08:45-09:00	726	726
	09:00-09:15	726	726
3 - Bucknell Road N	07:45-08:00	124	124
	08:00-08:15	124	124
	08:15-08:30	124	124
	08:30-08:45	124	124
	08:45-09:00	124	124
	09:00-09:15	124	124

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.66	6.85	1.9	A	1020	1530
2 - Bucknell Road S	0.47	4.53	0.9	A	726	1089
3 - Bucknell Road N	0.11	3.66	0.1	A	124	186

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1012	715	0.0	1.9	6.661	A
2 - Bucknell Road S	726	182	85	1529	0.475	722	994	0.0	0.9	4.488	A
3 - Bucknell Road N	124	31	659	1119	0.111	123	149	0.0	0.1	3.649	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.845	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1020	255	67	1551	0.658	1020	719	1.9	1.9	6.847	A
2 - Bucknell Road S	726	182	86	1529	0.475	726	1001	0.9	0.9	4.529	A
3 - Bucknell Road N	124	31	662	1117	0.111	124	150	0.1	0.1	3.659	A

# (Default Analysis Set) - 2021 Base + Split Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.12	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.12	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D4	2021 Base + Split Dev	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	804	100.000
2 - Bucknell Road S		FLAT	✓	868	100.000
3 - Bucknell Road N		FLAT	✓	113	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	7	719	78	
2 - Bucknell Road S	778	4	86	
3 - Bucknell Road N	49	64	0	

### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.89	0.10	
2 - Bucknell Road S	0.90	0.00	0.10	
3 - Bucknell Road N	0.43	0.57	0.00	

## Vehicle Mix

### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	804	804
	17:00-17:15	804	804
	17:15-17:30	804	804
	17:30-17:45	804	804
	17:45-18:00	804	804
	18:00-18:15	804	804
2 - Bucknell Road S	16:45-17:00	868	868
	17:00-17:15	868	868
	17:15-17:30	868	868
	17:30-17:45	868	868
	17:45-18:00	868	868
	18:00-18:15	868	868
3 - Bucknell Road N	16:45-17:00	113	113
	17:00-17:15	113	113
	17:15-17:30	113	113
	17:30-17:45	113	113
	17:45-18:00	113	113
	18:00-18:15	113	113

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.52	4.87	1.1	A	804	1206
2 - Bucknell Road S	0.57	5.50	1.3	A	868	1302
3 - Bucknell Road N	0.11	3.94	0.1	A	113	170

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	800	829	0.0	1.1	4.817	A
2 - Bucknell Road S	868	217	85	1530	0.567	863	783	0.0	1.3	5.411	A
3 - Bucknell Road N	113	28	784	1040	0.109	113	163	0.0	0.1	3.920	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.871	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**17:30 - 17:45**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	804	201	68	1550	0.519	804	834	1.1	1.1	4.872	A
2 - Bucknell Road S	868	217	85	1529	0.568	868	787	1.3	1.3	5.497	A
3 - Bucknell Road N	113	28	789	1037	0.109	113	164	0.1	0.1	3.936	A

# (Default Analysis Set) - 2026 Base + Great Wolf, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	6.27	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.27	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D7	2026 Base + Great Wolf	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1074	100.000
2 - Bucknell Road S		FLAT	✓	764	100.000
3 - Bucknell Road N		FLAT	✓	129	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	9	984	81
2 - Bucknell Road S	679	8	77
3 - Bucknell Road N	68	61	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.92	0.08
2 - Bucknell Road S	0.89	0.01	0.10
3 - Bucknell Road N	0.53	0.47	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1074	1074
	08:00-08:15	1074	1074
	08:15-08:30	1074	1074
	08:30-08:45	1074	1074
	08:45-09:00	1074	1074
	09:00-09:15	1074	1074
2 - Bucknell Road S	07:45-08:00	764	764
	08:00-08:15	764	764
	08:15-08:30	764	764
	08:30-08:45	764	764
	08:45-09:00	764	764
	09:00-09:15	764	764
3 - Bucknell Road N	07:45-08:00	129	129
	08:00-08:15	129	129
	08:15-08:30	129	129
	08:30-08:45	129	129
	08:45-09:00	129	129
	09:00-09:15	129	129

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.69	7.64	2.3	A	1074	1611
2 - Bucknell Road S	0.50	4.77	1.0	A	764	1146
3 - Bucknell Road N	0.12	3.76	0.1	A	129	194

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1065	752	0.0	2.2	7.375	A
2 - Bucknell Road S	764	191	89	1527	0.500	760	1045	0.0	1.0	4.719	A
3 - Bucknell Road N	129	32	692	1098	0.117	128	157	0.0	0.1	3.748	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.2	2.2	7.638	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.2	2.3	7.641	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.3	2.3	7.644	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.3	2.3	7.644	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1074	269	69	1550	0.693	1074	756	2.3	2.3	7.644	A
2 - Bucknell Road S	764	191	90	1526	0.501	764	1053	1.0	1.0	4.770	A
3 - Bucknell Road N	129	32	696	1096	0.118	129	158	0.1	0.1	3.760	A



# (Default Analysis Set) - 2026 Base + Great Wolf, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.50	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.50	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D8	2026 Base + Great Wolf	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	851	100.000
2 - Bucknell Road S		FLAT	✓	916	100.000
3 - Bucknell Road N		FLAT	✓	120	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	7	762	82
2 - Bucknell Road S	821	4	91
3 - Bucknell Road N	52	68	0

### Proportions

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	0.01	0.90	0.10
2 - Bucknell Road S	0.90	0.00	0.10
3 - Bucknell Road N	0.43	0.57	0.00

## Vehicle Mix

### HV %s

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1	1	1
2 - Bucknell Road S	1	1	1
3 - Bucknell Road N	1	1	1

### Av. PCU Per Veh

From	To		
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095	1.010	1.010	1.010
2 - Bucknell Road S	1.010	1.010	1.010
3 - Bucknell Road N	1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	851	851
	17:00-17:15	851	851
	17:15-17:30	851	851
	17:30-17:45	851	851
	17:45-18:00	851	851
	18:00-18:15	851	851
2 - Bucknell Road S	16:45-17:00	916	916
	17:00-17:15	916	916
	17:15-17:30	916	916
	17:30-17:45	916	916
	17:45-18:00	916	916
	18:00-18:15	916	916
3 - Bucknell Road N	16:45-17:00	120	120
	17:00-17:15	120	120
	17:15-17:30	120	120
	17:30-17:45	120	120
	17:45-18:00	120	120
	18:00-18:15	120	120

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.55	5.22	1.2	A	851	1277
2 - Bucknell Road S	0.60	5.95	1.5	A	916	1374
3 - Bucknell Road N	0.12	4.09	0.1	A	120	180

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	846	874	0.0	1.2	5.148	A
2 - Bucknell Road S	916	229	88	1527	0.600	910	829	0.0	1.5	5.837	A
3 - Bucknell Road N	120	30	827	1013	0.118	119	172	0.0	0.1	4.067	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	851	213	72	1548	0.550	851	880	1.2	1.2	5.219	A
2 - Bucknell Road S	916	229	89	1527	0.600	916	834	1.5	1.5	5.952	A
3 - Bucknell Road N	120	30	832	1009	0.119	120	173	0.1	0.1	4.087	A

# (Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, AM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	6.33	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.33	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D9	2026 Base + Great Wolf + Split Dev	AM	FLAT	07:45	09:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	1079	100.000
2 - Bucknell Road S		FLAT	✓	767	100.000
3 - Bucknell Road N		FLAT	✓	130	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	9	989	81	
2 - Bucknell Road S	682	8	77	
3 - Bucknell Road N	68	62	0	

### Proportions

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	0.01	0.92	0.08	
2 - Bucknell Road S	0.89	0.01	0.10	
3 - Bucknell Road N	0.52	0.48	0.00	

## Vehicle Mix

### HV %s

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1	1	1	
2 - Bucknell Road S	1	1	1	
3 - Bucknell Road N	1	1	1	

### Av. PCU Per Veh

From	To			
	1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N	
1 - A4095	1.010	1.010	1.010	
2 - Bucknell Road S	1.010	1.010	1.010	
3 - Bucknell Road N	1.010	1.010	1.010	

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	07:45-08:00	1079	1079
	08:00-08:15	1079	1079
	08:15-08:30	1079	1079
	08:30-08:45	1079	1079
	08:45-09:00	1079	1079
	09:00-09:15	1079	1079
2 - Bucknell Road S	07:45-08:00	767	767
	08:00-08:15	767	767
	08:15-08:30	767	767
	08:30-08:45	767	767
	08:45-09:00	767	767
	09:00-09:15	767	767
3 - Bucknell Road N	07:45-08:00	130	130
	08:00-08:15	130	130
	08:15-08:30	130	130
	08:30-08:45	130	130
	08:45-09:00	130	130
	09:00-09:15	130	130

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.70	7.74	2.3	A	1079	1619
2 - Bucknell Road S	0.50	4.79	1.0	A	767	1151
3 - Bucknell Road N	0.12	3.77	0.1	A	130	195

### Main Results for each time segment

#### 07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1070	755	0.0	2.3	7.456	A
2 - Bucknell Road S	767	192	89	1527	0.502	763	1050	0.0	1.0	4.737	A
3 - Bucknell Road N	130	33	695	1096	0.119	129	157	0.0	0.1	3.759	A

#### 08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.729	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.734	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.735	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.735	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	1079	270	70	1549	0.697	1079	759	2.3	2.3	7.735	A
2 - Bucknell Road S	767	192	90	1526	0.503	767	1059	1.0	1.0	4.789	A
3 - Bucknell Road N	130	33	699	1094	0.119	130	158	0.1	0.1	3.771	A

# (Default Analysis Set) - 2026 Base + Great Wolf + Split Dev, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	Roundabout	Standard Roundabout		1, 2, 3	5.54	A

### Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	5.54	A

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time period length (min)	Time segment length (min)	Run automatically
D10	2026 Base + Great Wolf + Split Dev	PM	FLAT	16:45	18:15	90	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Av. Demand (PCU/hr)	Scaling Factor (%)
1 - A4095		FLAT	✓	853	100.000
2 - Bucknell Road S		FLAT	✓	922	100.000
3 - Bucknell Road N		FLAT	✓	120	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
		1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095		7	764	82
2 - Bucknell Road S		827	4	91
3 - Bucknell Road N		52	68	0

### Proportions

From	To			
		1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095		0.01	0.90	0.10
2 - Bucknell Road S		0.90	0.00	0.10
3 - Bucknell Road N		0.43	0.57	0.00

## Vehicle Mix

### HV %s

From	To			
		1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095		1	1	1
2 - Bucknell Road S		1	1	1
3 - Bucknell Road N		1	1	1

### Av. PCU Per Veh

From	To			
		1 - A4095	2 - Bucknell Road S	3 - Bucknell Road N
1 - A4095		1.010	1.010	1.010
2 - Bucknell Road S		1.010	1.010	1.010
3 - Bucknell Road N		1.010	1.010	1.010

## Detailed Demand Data

### Demand for each time segment

Arm	Time Segment	Demand (PCU/hr)	Demand in PCU (PCU/hr)
1 - A4095	16:45-17:00	853	853
	17:00-17:15	853	853
	17:15-17:30	853	853
	17:30-17:45	853	853
	17:45-18:00	853	853
	18:00-18:15	853	853
2 - Bucknell Road S	16:45-17:00	922	922
	17:00-17:15	922	922
	17:15-17:30	922	922
	17:30-17:45	922	922
	17:45-18:00	922	922
	18:00-18:15	922	922
3 - Bucknell Road N	16:45-17:00	120	120
	17:00-17:15	120	120
	17:15-17:30	120	120
	17:30-17:45	120	120
	17:45-18:00	120	120
	18:00-18:15	120	120

## Results

### Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Q (PCU)	Max LOS	Av. Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - A4095	0.55	5.23	1.2	A	853	1280
2 - Bucknell Road S	0.60	6.01	1.5	A	922	1383
3 - Bucknell Road N	0.12	4.10	0.1	A	120	180

### Main Results for each time segment

#### 16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	848	880	0.0	1.2	5.160	A
2 - Bucknell Road S	922	231	88	1527	0.604	916	831	0.0	1.5	5.893	A
3 - Bucknell Road N	120	30	833	1009	0.119	119	172	0.0	0.1	4.084	A

#### 17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A



**17:15 - 17:30**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**17:30 - 17:45**


Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**17:45 - 18:00**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A

**18:00 - 18:15**

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - A4095	853	213	72	1548	0.551	853	886	1.2	1.2	5.234	A
2 - Bucknell Road S	922	231	89	1527	0.604	922	836	1.5	1.5	6.011	A
3 - Bucknell Road N	120	30	838	1006	0.119	120	173	0.1	0.1	4.105	A



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