



Land at Clay Lane, Fishbourne

Transport Assessment

Client: Gleeson Land

i-Transport Ref: DS/GT/ITB12230-002B R

Date: 14 October 2022

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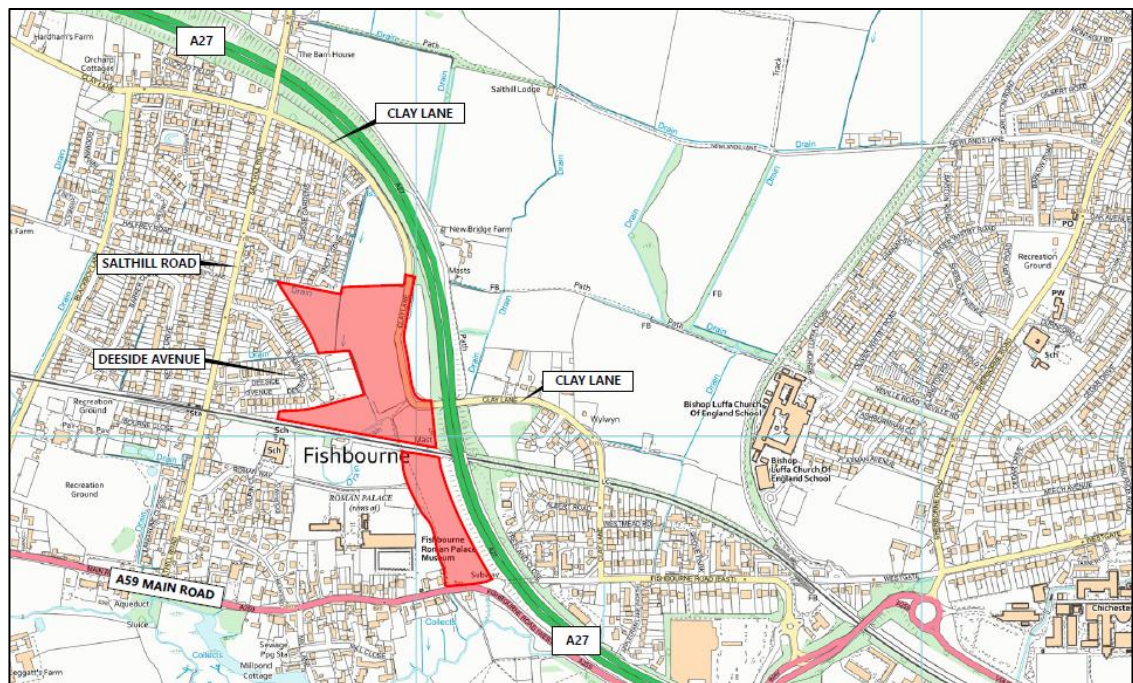
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SECTION 1 Introduction

1.1 Background

- 1.1.1 Gleeson Land has appointed i-Transport LLP to provide transport and highways advice in relation to an outline planning application for a residential development comprising up to 105 dwellings on land at Clay Lane, Fishbourne. A site location plan is provided in **Figure 1** with an extract provided in **Image 1.1**.

Image 1.1: Site Location Plan



1.2 Scope

- 1.2.1 Scoping discussions have taken place with the local highway authority, West Sussex County Council, and Highways England (now National Highways – the highway authority for the A27).
- 1.2.2 This Transport Assessment (TA) has been prepared to consider the transport impacts that may arise from the proposed development, and to consider the proposal against relevant transport planning policy. The TA has been produced in accordance with guidance contained in the National Planning Practice Guidance (NPPG) and, where appropriate, other local and national transport planning guidance.

1.2.3 A separate Framework Travel Plan (TP) has also been prepared (*report ref: ITB12230-007*). The primary purpose of the TP is to identify opportunities for the effective promotion and delivery of sustainable transport initiatives e.g., walking, cycling, public transport to reduce the demand for travel by less sustainable modes.

1.3 Structure

1.3.1 The remainder of the TA is structured as follows:

- Section 2 – Proposed Development;
- Section 3 – Policy Context;
- Section 4 – Existing Conditions and Committed Development;
- Section 5 – Proposed Site Access Arrangements;
- Section 6 – Promoting Sustainable Transport Modes;
- Section 7 – Traffic Impact; and
- Section 8 – Summary and Conclusions.

SECTION 2 Proposed Development

2.1.1 The description of the proposed development is as follows:

'Outline planning application (with all matters reserved except for access) for the erection of up to 105 residential dwellings including affordable housing with the provision of vehicular and pedestrian and cycle access from Clay Lane, alongside open spaces, biodiversity enhancement, sustainable urban drainage systems, landscaping, infrastructure, and earthworks'

2.1.2 To inform the planning application, an indicative accommodation schedule has been produced, as set out in **Table 2.1**. The final development mix will be determined through reserved matters applications.

Table 2.1: Indicative Accommodation Schedule

	Beds	Type	No.
Private	2-bed	House	27
	3-bed	House	31
	4-bed	House	15
		Sub-Total	73
Affordable	1-bed	Apartment	10
	2-bed	Apartment	9
	2-bed	House	5
	3-bed	House	7
	4-bed	House	1
		Sub-Total	32
Total Dwellings			105

2.1.3 The illustrative masterplan and parameter plans are provided at **Appendix A**. An extract of the illustrative masterplan is provided at **Image 2.1**.

Image 2.1: Extract of Illustrative Masterplan



Source: Richards Urban Design Ltd

- 2.1.4** Vehicular access to the site is proposed from a simple priority junction on the western side of Clay Lane. Further details on the proposed site access arrangements are set out in Section 5 of this document.

SECTION 3 Policy Context

3.1 Introduction

3.1.1 This section of the TA provides an overview of relevant national and local transport planning policy documents, which provide the framework against which the transport and highway aspects of the proposed development have been assessed.

3.2 National Policy

National Planning Policy Framework (July 2021)

3.2.1 Section 9 of the NPPF discusses promoting sustainable transport. Paragraphs 110 to 113 set out transport matters when considering development proposals.

3.2.2 Paragraph 110 states that:

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

Appropriate opportunities to promote sustainable transport modes can be – or have been – taken up, given the type of development and its location;

safe and suitable access to the site can be achieved for all users; and

any significant impacts from the development on the transport network (in terms of capacity and congestion), or on highway safety, can be cost effectively mitigated to an acceptable degree.”

3.2.3 Paragraph 111 states that:

“Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network would be severe.”

3.3 Local

Chichester District Councils Adopted Chichester Local Plan (2014-2029)

3.3.1 The Chichester Local Plan: Key Policies (CDCLP) was adopted in July 2015 and provides the broad policy framework and a long-term strategy to manage development within Chichester District through to the end of the Plan period in 2029.

3.3.2 In terms of transport related policies, Chapter 8 outlines the requirements new development should meet to facilitate more sustainable forms of transport. Policy 8 outlines the importance on developers to improve accessibility to key services and facilities, and states:

- ***“Ensuring that new development is well located and designed to minimise the need for travel, encourages the use of sustainable modes of travel as an alternative to the private car, and provides or contributes towards necessary transport infrastructure, including through travel plans;***
- ***Working with relevant providers to improve accessibility to key services and facilities and to ensure that new facilities are readily accessible by sustainable modes of travel; and***
- ***Planning to achieve timely delivery of transport infrastructure needed to support new housing, employment and other development identified in this Plan.”***

3.3.3 These requirements are also reiterated and expanded upon in Policy 39, which states:

“Transport, Accessibility and Parking

Planning permission will be granted for development where it can be demonstrated that all the following criteria have been considered:

- 1. All development provides for the access and transport demands they create, through provision of necessary improvements to transport networks, services and facilities, either directly by the developer or indirectly in the form of financial contributions;***
- 2. Development is located and designed to minimise additional traffic generation and movement, and should not create or add to problems of safety, congestion, air pollution, or other damage to the environment;***
- 3. The proposal has safe and adequate means of access and internal circulation/turning arrangements for all modes of transport relevant to the proposal;***
- 4. The proposal encourages development that can be accessed by sustainable modes of transport, in part, through the creation of links between new development and existing pedestrian, cycle and public transport networks;***
- 5. The proposal provides for safe, easy and direct movement for those with mobility difficulties;***
- 6. The proposal does not create residual cumulative impacts which are severe; and***
- 7. Proposals provide for high quality linkage direct from the development to the broadband network.***

Developments with significant transport impacts must submit a Transport Assessment in accordance with the NPPF, and a Travel Plan including defined targets, implementation, funding, and monitoring regime.

Where development is likely to have an impact on an Air Quality Management Area, an air quality assessment will be required.

The level of car parking provision should be in accordance with current West Sussex County Council guidance. This, together with residential parking and the level of cycle parking, will be assessed on a flexible site by site basis depending on the provision of public transport and access to local facilities.

Fishbourne Neighbourhood Plan

3.3.4 The Fishbourne Neighbourhood Plan (FNP) was 'made' on 31 March 2016. The FNP establishes a vision for the evolution and long-term sustainability of Fishbourne Parish and village over the period 2014-2029.

3.3.5 The FNP sets out a vision for the future of Fishbourne and provides policies that will influence Housing, Planning & Design, Local Economy & Tourism, Environment (Historic, Built and Natural), Travel and Transport and provide a Sense of Community.

3.3.6 In terms of transport related policies, Policy T1: Sustainable Transport states:

“Development proposals will be supported only if they show how they will contribute to a policy of sustainable travel in the village. Development Proposals will be supported where they contribute to sustainable travel behaviour in the village through enhancements to cycleways and footpaths.”

3.3.7 Policy T2: Encouraging Sustainable Transport, goes on to state:

“Development proposals which enhance the delivery of sustainable transport including traffic calming and enhancing pedestrian safety will be supported. Where proposed development is likely to cause harm to the objective of delivering sustainable transport, planning permission will normally be refused unless proportionate mitigation measures are offered sufficient to make the proposed development acceptable. Mitigation measures may include contributions towards the improvements specified under Project 7 b to the Plan within Areas 1 & 2 as defined on pages 11 – 12.”

West Sussex County Council's Transport Plan 2011-2026

3.3.8 The West Sussex County Council (WSCC) Local Transport Plan 3 was published in February 2011 and sets out a long-term strategy and implementation plan for making improvements to the transport system throughout the county over the 15-year plan period.

3.3.9 The Plan seeks to ensure that regeneration aspirations are delivered, and the identified transport issues are addressed. The Plan seeks for all new schemes and developments to contribute to and support in some way to following:

- Increasing use of sustainable modes of transport;

- Improving network efficiency in order to improve journey times and air quality;
- Improving safety for all road users;
- Discouraging HGVs from using unsuitable roads; and
- Improving accessibility between communities within the District.

3.3.10 This Transport Assessment has been prepared in accordance with the strategies set out in the Local Transport Plan. The Transport Assessment provides a comprehensive assessment of the impact of the development proposal.

West Sussex Transport Plan 2022 to 2036 (Draft)

3.3.11 The draft West Sussex Transport Plan will cover the period up to 2036 and will build on the Local Plans prepared by the Local Authorities.

3.3.12 The vision for the plan is to help address the spatial economic challenges of the County, level up the costal economy and provide access to employment and services countryside. As part of the Transport Plan, 17 objectives have been developed and these are summarised in Table 3.1.

Table 3.1: Draft Transport Plan Objectives

Objective	
1	Support sustainable economic prosperity across the County by levelling-up underperforming areas and recovering from the COVID-19 pandemic.
2	Support development and regeneration plans across the County by enabling local living and through strategic investments at the right time and place to ensure the transport network is fit for the future.
3	Accommodate the needs of an ageing population that is expected to grow most in existing settlements in the Gatwick Diamond and Coastal West Sussex areas.
4	Minimise air, noise and light pollution from use of the transport network to minimise impacts on public health and well-being.
5	Ensure the transport network allows residents to live healthy lifestyles with good access to green and blue spaces, particularly on the West Sussex coast and in the protected South Downs, High Weald and Chichester Harbour.
6	Ensure rural communities can live locally by accessing nearby towns.
7	Enable the transport network to be on a pathway to net zero carbon by 2050.
8	Minimise the impacts of the transport network on areas that are protected for their landscape, ecological or historic characteristics.

Objective	
9	Improve the transport network whilst protecting or enhancing the natural, built and historic environment.
10	To monitor and adapt infrastructure to the effects of climate change.
11	Reduce the need to travel by car by enabling local living.
12	Improve the efficiency of the County Strategic Road Network, particularly east-west routes including A27, through targeted improvements to address congestion, pollution, rat-running and road safety issues.
13	Minimise the impacts on the transport network of surface access to Gatwick Airport by passengers and employees and ensure transport network improvements take the needs of other users and communities that share these routes into account.
14	Ensure the rail network is an attractive option for travel between West Sussex towns and to surrounding cities by improving the speed and quality of West Coastway and Arun Valley Line services and capacity on the Brighton Main Line.
15	Improve bus network efficiency by reducing the effects of congestion into and within West Sussex towns, particularly where there are gaps in the rail network.
16	Ensure the bus network is customer focussed to provide an attractive option for journeys to nearby towns.
17	Extend and improve the network of active travel facilities, taking account of potential usage and stakeholder support, so it is coherent and high quality enough to make active travel an attractive option for short distance trips.

[West Sussex County Council Guidance on Parking at New Developments \(September 2020\)](#)

3.3.13 WSCC's adopted car and cycle parking standards are set out in the Guidance on Parking at New Developments Supplementary Planning Document (SPD) (dated September 2020).

Car Parking

3.3.14 The expected level of car parking demand per dwelling is identified in a Parking Behaviour Zone (PBZ). Table 2 of the SPD sets out the parking standards for residential development, reproduced as **Image 3.1**. The proposed development site is situated within PBZ 2.

Image 3.1: Table of Car Parking Standards SPD

Number of Bedrooms	Number of Habitable Rooms	PBZ1	PBZ2	PBZ3	PBZ4	PBZ5
1	1 to 3	1.5	1.4	0.9	0.9	0.6
2	4	1.7	1.7	1.3	1.1	1.1
3	5 to 6	2.2	2.1	1.8	1.7	1.6
4+	7 or more	2.7	2.7	2.5	2.2	2.2

3.3.15 In addition, if over half of the parking provision is allocated, then a further 0.2 spaces per dwelling is to be provided for visitors.

Electric Vehicle (EV) Parking

3.3.16 The expected level of EV car parking is set out in paragraph 4.7 of the SPD, which states:

'Active' charging points for electric vehicles should be provided at a minimum of 20% of all parking spaces with ducting provided at all remaining spaces where appropriate to provide 'passive' provision for these spaces to be upgraded in future.'

Cycle Parking

3.3.17 The minimum cycle parking provision for residential developments is set out in Table 1 of the SPD, reproduced as **Image 3.2** below.

Image 3.2: Table of Minimum Cycle Parking Standards SPD

Type	Dwelling Size	Cycle Provision (per unit)
Houses	Up to 4 rooms (1 & 2 bed)	1 space
Houses	5+ rooms (3+ bed)	2 spaces
Houses	Multiple Occupation	1 space
Flats	Up to 3 rooms (1 & 2 bed)	0.5 space (if communal storage otherwise same as 1 & 2 bed house)
Flats	4+ rooms (3+ bed)	1 space

SECTION 4 Existing Conditions and Committed Development

4.1 Introduction

4.1.1 This section of the TA summarises the existing conditions in the vicinity of the site, covering the local highway network and walking / cycling routes, and public transport. In addition, it summarises the committed development in the local area.

4.2 Site Location

4.2.1 The site is located on Clay Lane. The site is bounded to the north by open greenfield land, to the east by Clay Lane, to the south by the West Coastway railway line and to the west by residential dwellings. A site location plan is provided at **Figure 1**.

4.3 Local Highway Network

4.3.1 Clay Lane is a single carriageway road with a varying carriageway width of between 5.3m and 6.6m. Clay Lane is subject to the national speed limit (60mph) along the site frontage, however, some 200m north of the site and some 140m east of the site the speed limit changes to 30mph.

4.3.2 To the southeast, Clay Lane crosses the railway line via a level crossing before forming a junction with Fishbourne Road East. Fishbourne Road East routes to the east and forms a junction with the A259 Cathedral Way, which in-turn provides onward access to Chichester.

4.3.3 To the north, Clay Lane forms a 4-arm junction with Salthill Road. Clay Lane continues to the west and crosses to the north side of the A27 and beyond. Salthill Road runs broadly in a north south direction – to the north it routes towards West Boyle (providing an alternative route to Chichester via the B2178) and to the south it routes through Fishbourne and forms a junction with the A259.

4.3.4 There are no dedicated footways present along the Clay Lane in the immediate vicinity of the site. To the southeast the footway along Clay Lane starts at the Fredrick Road junction, providing a footway connection to Fishbourne Road East and beyond. To the north, the footway along Clay Lane starts near Follis Gardens providing a footway connection to Salthill Road and beyond.

Public Rights of Way

4.3.5 There are a number of public rights of way that either route through or are located in the vicinity of the site. The Public Rights of Way local to the site are shown at **Appendix B** and these are summarised below:

- Public footpath 3053 – routing from Clay Lane, through the site across the railway line and to the A259; and
- Public footpath 3015 routing from Clay Lane (east of the A27 to the east and towards Bishop Luffa School and western Chichester).

National Cycle Network Route

4.3.6 National Cycle Network (NCN) Route 2 routes along Roman Way and past Roman Place to the south of the site – see **Appendix B**. It provides a route into Chichester to the east and Havant to the west.

4.3.7 Access to NCN Route 88, also known as 'Centurion Way', can be gained to the west of the site, from Clay Lane. NCN route 88 is a rural leisure route primarily comprising off-carriageway, traffic free infrastructure. NCN route 88 provides a link between Fishbourne and West Dean, via Mid Lavant.

4.4 Existing Traffic Volumes and Speeds

4.4.1 A series of traffic surveys have been carried out in order to identify existing traffic patterns, volumes and speeds on the local highway network. The surveys comprise:

- Automatic Traffic Count (ATC) surveys to measure speeds and volumes, undertaken between 9 May 2019 and 24 May 2019 on Clay Lane, at the following locations:
 - ATC 1 – placed approximately 50m south of the proposed site access (70m north of the 90-degree bend in Clay Lane after passing under the A27); and
 - ATC 2 - placed some 120m north of the proposed site access, at the existing field gate access.
- Weekday Manual Classified Counts (MCC's) were undertaken on 27 June 2019 during the morning and evening peak periods, at the following junctions:
 - Salthill Road / Clay Lane crossroads;
 - Fishbourne Road E / Tesco Roundabout; and

- Fishbourne Road E / A259 Cathedral Way Roundabout.

4.4.2 The average weekday peak hour traffic flows on Clay Lane in the vicinity of the site are summarised in **Table 4.1**, below.

Table 4.1: Average Weekday Peak Hour Traffic Volumes

Direction	Volumes	
	Morning	Evening
Northbound	107	198
Southbound	406	204
Two-Way	513	402

Source: ATC Surveys / Consultant's Calculations

4.4.3 The observed 85th percentile vehicle speeds along Clay Lane in the vicinity of the site are summarised in **Table 4.2** and **Appendix C**.

Table 4.2: Weekday Speed Survey Results Summary - Clay Lane

Location	Direction	85 th percentile speeds
ATC 1 (South of site access)	Northbound	34.5mph
	Southbound	32.27mph
ATC 2 (North of site access)	Northbound	40.88mph
	Southbound	36.69mph

Source: ATC Surveys / Consultant's Calculations

4.4.4 It is noted that the actual recorded 85th percentile vehicle speeds along this section of Clay Lane are significantly below the posted speed limit (60mph).

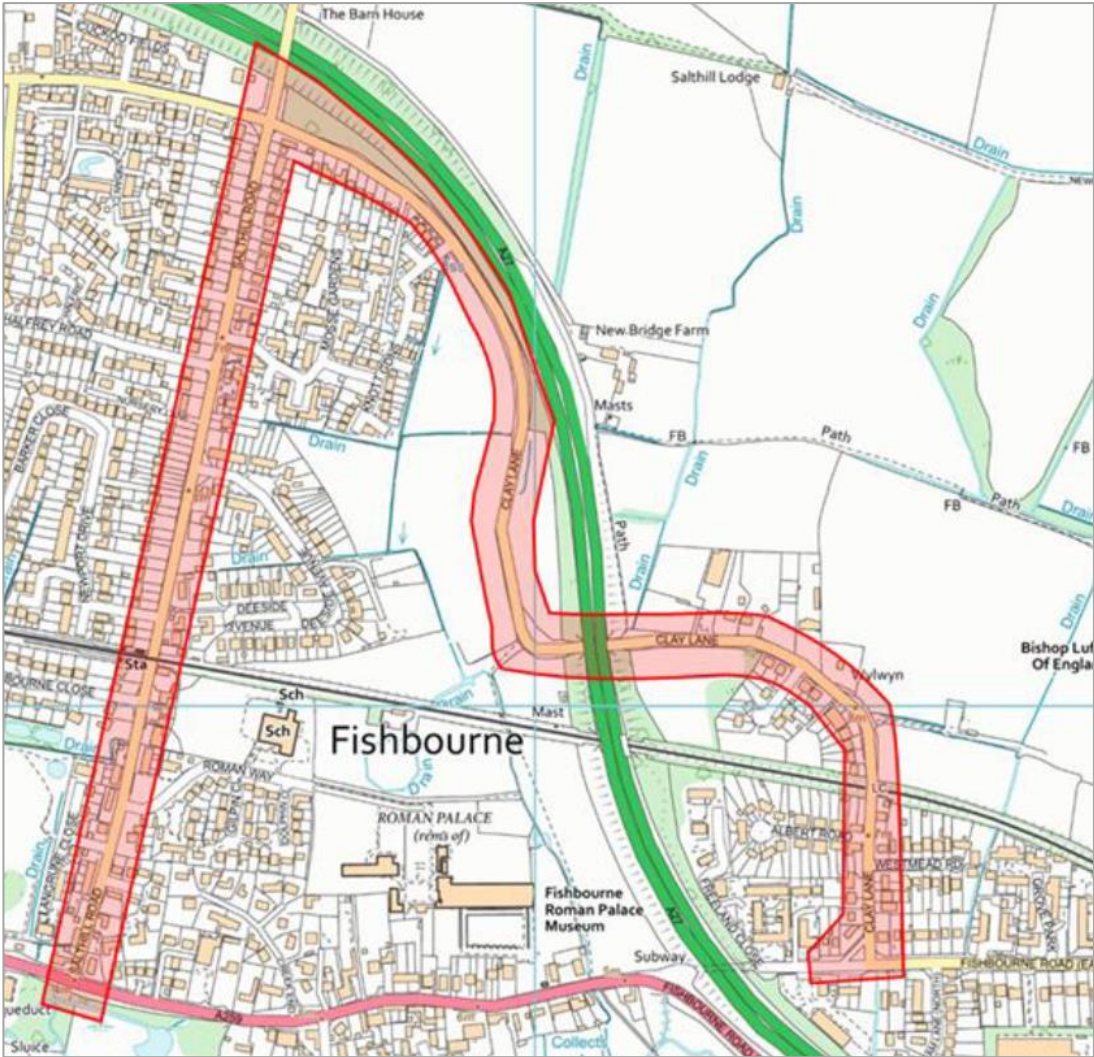
4.4.5 The observed morning and evening peak hour flows on the local highway network are shown on **Figures TF1** and **TF2**.

Personal Injury Accident Data

4.4.6 Personal Injury Accident (PIA) data has been obtained from Sussex Safer Roads for the period from 1 October 2015 to 31 December 2021. A copy of the PIA data is provided at **Appendix D**.

4.4.7 The data covers a comprehensive study area comprising Clay Lane and Salthill Road and their associated junctions with the A259 Fishbourne Road West and Fishbourne Road East respectively. The study area covered is shown on **Image 4.1**, overleaf.

Image 4.1: PIA Data Collection Area



Source: Google Maps

4.4.8 A total of 10 injury accidents have been recorded within the study area during the assessment period (details of a PIA recorded on the A27 corridor was inadvertently provided as part of the puts, but these have been excluded since there is no direct interface between the local and strategic network at this location. A summary of the accidents recorded in the study area is provided in Table 4.3, overleaf.

Table 4.3: Summary of Personal Injury Accident Data

Location	Frequency of Accidents			Total
	Slight	Serious	Fatal	
Clay Lane	1			1
Clay Lane / Fishbourne Road East	1	1		2
Salthill Road / Clay Lane	3	1		4
Salthill Road	1			1
A259 Main Road / Salthill Road	1		1	2
Total	7	2	1	10

Source: Sussex Safer Roads

Clay Lane

- 4.4.9 One 'slight' PIA was recorded on Clay Lane. The PIA occurred at the 90° right hand bend adjacent to the A27 and was the result of a driver travelling too fast in wet conditions causing the vehicle to leave the road and collide with road furniture.

Clay Lane / Fishbourne Road East

- 4.4.10 Two injury accidents occurred at the Clay Lane / Fishbourne Road East Junction. Both accidents involved cyclists, with one being recorded as 'slight' in nature and the other being recorded as 'serious' in nature. The first PIA occurred when a vehicle turning left onto Fishbourne Road East struck the rear wheel of a bicycle causing the rider to fall from their bicycle, resulting in 'slight' injuries. The second PIA, 'serious' in nature, occurred when a vehicle turning left out of Clay Lane pulled into the path of a cyclist travelling eastbound on Fishbourne Road East.

Salthill Road / Clay Lane

- 4.4.11 One 'serious' PIA was recorded at the Salthill Road / Clay Lane crossroads junction. The accident was the result of a car travelling eastbound on Clay Lane colliding with a van travelling southbound on Salthill Road at the temporary traffic lights, losing control, resulting in 'serious' injuries.
- 4.4.12 Three 'slight' PIA's were recorded at the crossroads junction. The first PIA was the result of a driver failing to look properly while attempting to turn left out of Clay Lane thus pulling out into the path of another vehicle. The second PIA occurred when a vehicle in a hurry overtook another vehicle travelling along Clay Lane on the approach to the junction, however, failed to notice the give way thus overshooting the junction and colliding with a vehicle travelling southbound on

Salthill Road. The final 'slight' PIA occurred when a car stalled at the temporary traffic lights, and another car drove into the rear causing damage.

Salthill Road

- 4.4.13 One 'slight' PIA was recorded on Salthill Road. The collision occurred when a vehicle stopped to wait behind parked cars in order to give way to oncoming traffic but the vehicle behind failed to notice this and collided with the rear of the waiting vehicle.

A259 Main Road / Salthill Road

- 4.4.14 Two PIA's were recorded at the A259 Main Road / Salthill Road junction; both PIA's involved cyclists with one being recorded as 'slight' in nature and the other as 'fatal'. The first PIA, 'slight' in nature, occurred when a vehicle traveling westbound failed to notice a cyclist travelling in the opposite direction and subsequently turned right into Salthill Road, into the path of the cyclist. The second PIA occurred when a cyclist undertook a heavy goods vehicle (HGV) turning right onto the A259 from Salthill Road and passed too close to the HGV resulting in the cyclist coming off the bicycle and suffering fatal injuries.
- 4.4.15 Whilst any accident is regrettable, the nature, frequency and distribution of the accidents do not indicate that there is a deficiency within the local highway network contributing to the recorded PIA's which would be exacerbated by the proposed development. Indeed, the safety record of the local road network in the immediate vicinity of the site is good, with no recorded PIA's within the vicinity of the proposed site access.

4.5 Public Transport

Bus

- 4.5.1 Stagecoach Route 56 (Chichester – Fishbourne - Old Bosham) runs along Clay Lane and past the site – the timetable is provided at **Appendix E**. The closest bus stops are located on Clay Lane approximately 450m south of the site. Facilities in the form of bus flags and timetable information are available at the stops.
- 4.5.2 A summary of Stagecoach Route 56 is presented in **Table 4.4**.

Table 4.4: Local Bus Services

Service	Route	Service Frequency			Average Journey Time
		Monday-Friday	Saturday	Sunday	
56	Old Bosham - Chichester	6-8 services per day. First bus to Chichester at 08:34, to Bosham at 07:35. Last bus from Chichester at 17:18, from Bosham at 18:10*	7-8 services per day. First bus to Chichester at 08:27, to Bosham at 09:11. Last bus from Chichester at 17:18, from Bosham at 18:10	-	To Chichester – circa 20mins, from Chichester circa 33mins. To Bosham – circa 14mins, from Bosham circa 12mins.

Source: bustimes.org

*Operates on alternate Mondays and Fridays

- 4.5.3 Service 56 provides opportunities to travel between Chichester and Bosham via Fishbourne and provides a realistic alternative to using the car to travel to these destinations.

Rail

- 4.5.4 The nearest railway station is Fishbourne Railway Station, located to the west of the site. Fishbourne Station is located on the West Coastway Line that runs between Brighton and Southampton.
- 4.5.5 Chichester railway station is located circa 2.7km to the east of the site and is the next closest railway station. Both railway stations can be accessed by the bus service 56.
- 4.5.6 **Table 4.5** summarises the key destinations served from Fishbourne and Chichester railway stations, including the journey time and service frequency.

Table 4.5: Rail Service Summary

Station	Destination	Typical Frequency		Average Journey Duration
		Peak	Off-Peak	
Fishbourne	Chichester	1-2 services per hour	Hourly service	3 minutes
	Emsworth	1-2 services per hour*	2 services per hour*	12 / 28 minutes
	Ford	1 service per hour	1 service per hour	16 minutes
	Littlehampton	1 service per hour	1 service per hour	26 minutes
	Portsmouth and Southsea	2 direct services per hour	1 direct service per hour	34 minutes

Station	Destination	Typical Frequency		Average Journey Duration
		Peak	Off-Peak	
Chichester	Littlehampton	2 services per hour*	1 direct service per hour	23 minutes
	Portsmouth and Southsea	3 direct services per hour	3 direct services per hour	33 minutes
	Southampton Central	1-3 direct services per hour	2 services per hour	58 minutes
	Brighton	3 services per hour	2 services per hour	57 minutes
	London Victoria	3 services per hour*	2 services per hour*	95 minutes

Source: National Rail

*some services will require one change at Barnham, Chichester or East Croydon

4.5.7 There are direct services from Fishbourne to several key destinations, such as Chichester (with the earliest train at 06:30 and the latest returning at 23:16) and Portsmouth and Southsea (with the earliest train at 05:16 and the latest returning at 23:19). Services to/from Fishbourne and Chichester have an average journey time of approximately only 3 minutes. Chichester railway station serves a number of additional key destinations, such as Southampton Central (with an average journey time of 58 minutes) and London Victoria (with an average journey time of 95 minutes).

4.6 Committed Development

4.6.1 The following local committed developments are allowed for specifically within the transport assessment:

- Land West of Centurion Way And West Of Old Broyle Road - CDC planning application number 14/04301/OUT - Outline planning application with all matters reserved (except for access) for the first phase of development for up to 750 homes with access from Old Broyle Road, temporary access from Clay Lane, a local centre (with associated employment, retail and community uses), primary school, informal and formal open space (including a Country Park), playing pitches, associated landscaping, utilities and drainage infrastructure with on-site foul sewage package treatment plant or pumping station with connection to Tangmere Waste Water Treatment Works; and
- Land West of Frederick Road Chichester - CDC planning application number 17/03117/FUL - Erection of 25 no. dwellings with the associated vehicular and pedestrian access, parking and secure cycle storage, landscaping and open space.

SECTION 5 Proposed Site Access Arrangements

5.1 Introduction

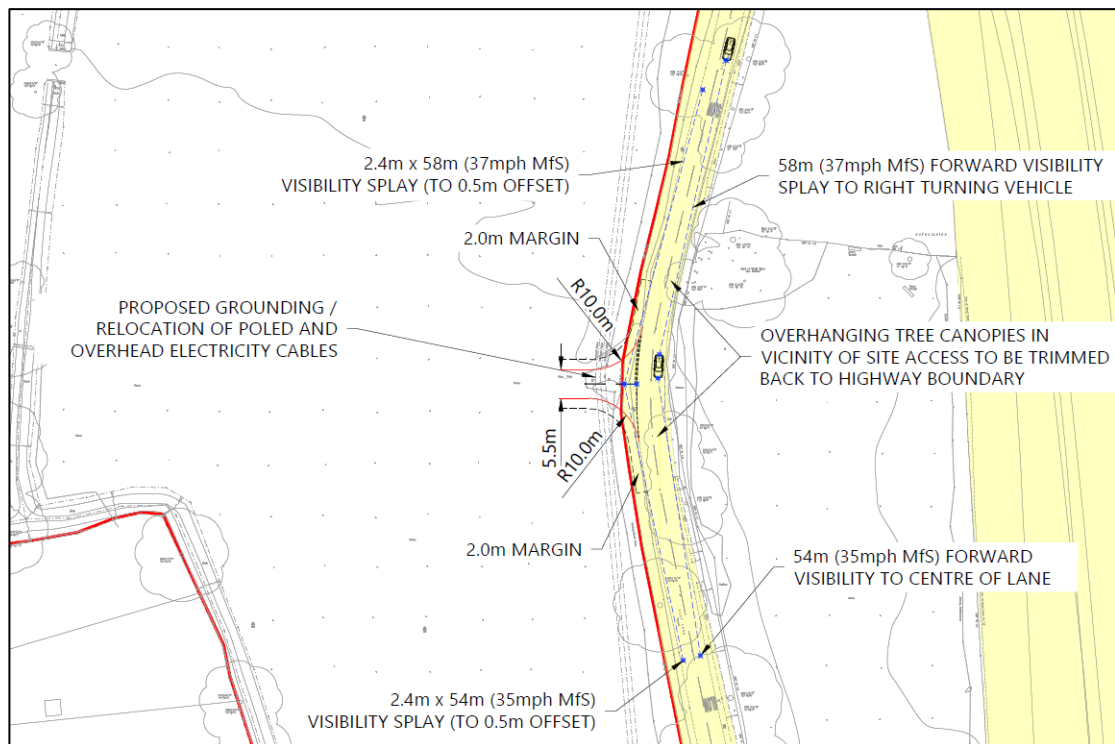
5.2 This section of the TA summarises the proposed site access arrangements. It also provides commentary on the illustrative masterplan in terms of servicing and parking provision.

5.3 Proposed Site Access Arrangements

Vehicular Access from Clay Lane

5.3.1 Vehicular access to the site is proposed from the west side of Clay Lane in the form of a simple priority junction situated around 320m south of the Hannah Place / Taylor’s Copse junction with Clay Lane. The proposed site access arrangement is shown on drawing **ITB12230-GA-003** and an extract is provided at **Image 5.1**.

Image 5.1: Extract of Site Access Drawing



5.3.2 Key features of the proposed site access arrangements are summarised below:

- 5.5m wide carriageway;
- 10m junction radii to Clay Lane; and

- 2m margins either side of the site access road leading onto Clay Lane.

5.3.3 With reference to Section 4 of this document, the recorded 85th percentile speeds on Clay Lane are recorded as being 36.7mph (59.1kph) southbound (north of the proposed access) and 34.5mph (55.5kph) northbound (south of the proposed access). Vehicle speeds are below 60kph; therefore Manual for Streets visibility splay requirements on the approaches to the site access are applicable, with paragraph 1.3.6 of MfS stating **“It is only where actual speeds are above 40mph for significant periods of the day that DMRB parameters for SSD are recommended. Where speeds are lower, MfS parameters are recommended”**. Visibility splays of 2.4m x 58m to the north and 2.4m x 54m to the south are therefore shown on the site access drawing in accordance with the requirements of Manual for Streets.

5.3.4 The site access drawing also shows that a driver routing south along Clay Lane has forward visibility of 58m to a car waiting to turn right into the site access and that a driver waiting to turn right has forward visibility of 54m to approaching northbound vehicles.

5.3.5 Swept path analysis of a large car, 7.5t box van and a refuse vehicle at the site access junction is provided at **Appendix F**. The large car and 7.5t box van can turn at the junction without encroaching into opposing lanes. The refuse vehicle does slightly encroach into opposing lanes however as this will only be a very small percentage of the total number of vehicle movements that will use the junction this is considered acceptable.

Footway Connection Along Clay Lane

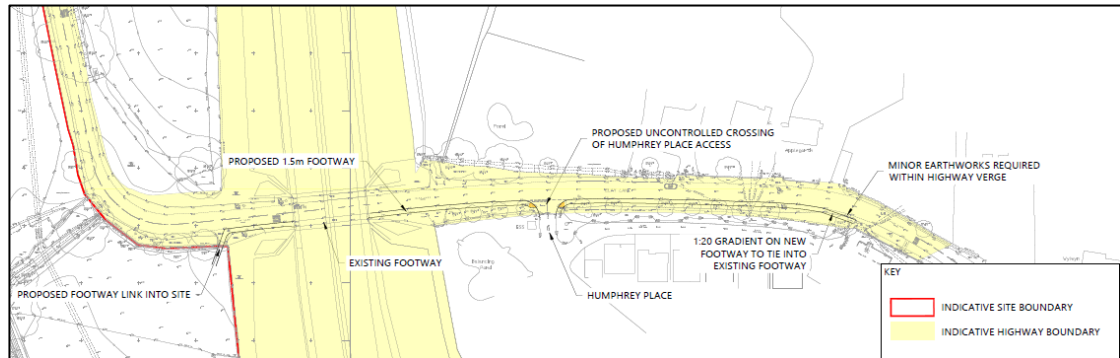
5.3.6 The highway boundary plans are provided at **Appendix G**. This shows generous highway verges along Clay Lane.

5.3.7 Drawing **ITB12230-GA-013** shows that a footway connection to Clay Lane is proposed in the south east corner of the site. A 1.5m wide footway is to be provided in the highway verge on the south side of Clay Lane, under the A27 (using the existing hard standing / footway) past Humphrey Place, connecting to the existing footway on Clay Lane near Frederick Road and beyond. There is also an alternative route via Humphrey Place – signage states it is a private estate however the owners give the rights for passengers to pass and re-pass at all times.

5.3.8 Paragraph 3.1 of Inclusive Mobility confirms that **“... 1500mm could be regarded as the minimum acceptable under most circumstances, giving sufficient space for a wheelchair user and a walker to pass one another.”** A 1.5m footway is therefore considered adequate given the expected usage and to minimise impacts along Clay Lane. An extract of the drawing

showing the proposed footway link along Clay Lane to Frederick Road is provided in **Image 5.2** below.

Image 5.2: Proposed Footway Link to Frederick Road



- 5.3.9 An independent Stage One Road Safety Audit (RSA) has been undertaken of the proposed site access arrangements and footway links along Clay Lane. A copy of the Stage One Road Safety Audit and associated Designer's Response is provided at **Appendix H**. The proposed site access arrangements submitted as part of this application address the road safety concerns identified and as such there are no residual road safety concerns (as agreed by the safety auditor).
- 5.3.10 In summary, the site access proposals accord with Policy INF1 Transport Network and the NPPF (para 110b) by providing safe and efficient access to the highway network.

Public Footpath 3053

- 5.3.11 Public footpath 3053 routes through the southeast corner of the site crossing the railway line (Palace level crossing), providing a convenient and direct link to the facilities in Fishbourne and Chichester (via NCN Route 2).
- 5.3.12 In addition to the pedestrian access opportunities outlined above, the applicant is discussing with Network Rail the most appropriate provision of enhanced / accessible access across the railway line, likely in the form of a new bridge alongside the diversion of existing public footpath 3053 which passes through the site. The new crossing would be subject to a separate planning application to be submitted following agreement from Network Rail on its proposed design and location. The development would provide funding for this application and the improvement works, thereby securing an enhanced railway line crossing for existing and future users.

5.4 Site Layout, Servicing and Parking

Site Layout

5.4.1 The internal site layout will be designed in accordance with 'West Sussex County Council's Local Design Guide Supplementary Guidance for Residential Development Proposals' and contemporary design guidance, particularly the DfT's 'Manual for Streets' (MfS). The following highway parameters have been used during the preparation of the illustrative masterplan (**Appendix A**): -

- **Primary Street** – 5.5m wide carriageway with 2.0m footways and/or 2m wide service margins adjacent;
- **Shared surface street** – 4.1m to 4.8m wide street with 2m wide service margin on one side. Designed to enable refuse vehicles access and where provision for pedestrians is on-carriageway;
- **Private Driveways / Mews / Courtyard Squares** – narrower shared surface areas (3.7m – 4.1m) where refuse vehicles do not need to enter; and
- **Design Speed** - A 20mph design speed will be adopted on primary streets, with 15mph design speeds on secondary streets and private driveways.

Servicing and Parking

5.4.2 Layout, mix and scale are reserved matters and as such the provision for car and cycle parking cannot be accurately determined at this stage.

5.4.3 It is proposed to provide both car and cycle parking in accordance with the guidance contained within the WSCC's Guidance on Parking at New Developments SPD for PBZ2. Applying the illustrative development mix in **Table 2.1** yields a requirement for 261 spaces. This is presented in **Table 5.1**.

Table 5.1: Car Parking Provision Calculation

Dwelling Size	No Dwellings	Parking Standard	Total
1 bed unit	10	1.4	14
2 bed unit	41	1.7	70
3 bed unit	38	2.1	80
4+ bed unit	16	2.7	43
Visitor	0.2 spaces per dwelling		21
Total	105		228

- 5.4.4 Notwithstanding the above, the design, location and layout of car and cycle parking will be determined at the reserved matters stage.
- 5.4.5 Electric Vehicle (EV) parking will also be provided having regard to WSCC's Guidance on Parking at New Developments SPD.
- 5.4.6 Cycle parking will be provided in accordance with WSCC's Guidance on Parking at New Developments SPD and will be provided in sheds in gardens or garages for houses, and secure covered communal areas for apartments.

SECTION 6 Promoting Sustainable Transport Modes

6.1 Introduction

6.1.1 This section of the Transport Assessment summarises whether appropriate opportunities to promote sustainable transport modes can be – or have been - taken up. The analysis is covered in the following sub sections:

- Key destinations;
- Walking, cycling and public transport; and
- Travel Plan.

6.2 Key Destinations

6.2.1 There are a number of local facilities and key destinations for future residents of the proposed development including:

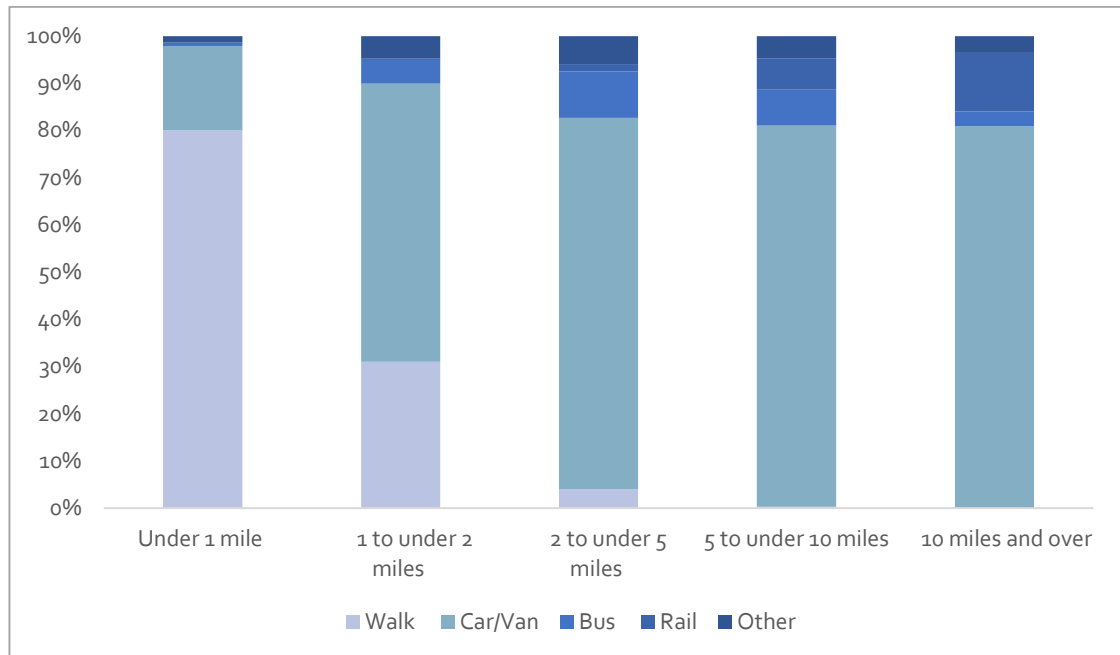
- On-site open space / play facilities;
- Fishbourne Church of England Primary School;
- Chichester High School;
- Bishop Luffa Church of England School;
- Tesco Extra including Pharmacy
- Terminus Road Industrial Estate;
- The Fishbourne Centre / Playing Fields / Pre School;
- Chichester and its facilities / employment;
- Clay Lane bus stops; and
- Fishbourne Station.

6.2.2 A plan showing the location of these facilities is provided at **Figure 2**.

6.3 Walking, Cycling and Public Transport

6.3.1 The National Travel Survey (NTS) 2019 identifies the mode share of journeys of different lengths:

Image 6.1: Mode Share of Trips by Main Mode for Different Trip Lengths: England



Source: National Travel Survey: England 2019

6.3.2 The National Travel Survey 2019 (Table NTS0308) confirms that some 80% of all trips under 1 mile (circa 1.6km) are walk trips, whilst walking accounts for some 31% of all trips between 1 and under 2 miles (circa 1.6km – 3.2km). Walking trips fall away beyond 2 miles (2 to under 4 miles = 4% walking).

6.3.3 The Department for Transport’s Cycling and Walking Investment Strategy (2017) states at paragraph 1.16 that:

“... there is significant potential for change in travel behaviour. Two out of every three personal trips are within five miles - an achievable distance to cycle for most people, with many shorter journeys also suitable for walking. For school children, the opportunities are even greater. Three quarters of children live within a 15 minute cycle ride of a secondary school, while more than 90% live within a 15 minute walk or bus journey from a primary school.”

6.3.4 The DfT's Gear Change A bold vision for cycling and walking states (page 11) that:

"In particular, there are many shorter journeys that could be shifted from cars, to walking, or cycling. We want to see a future where half of all journeys in towns and cities are cycled or walked. 58% of car journeys in 2018 were under 5 miles. And in urban areas, more than 40% of journeys were under 2 miles in 2017–1817. For many people, these journeys are perfectly suited to cycling and walking."

6.3.5 The on-site open space and play facilities are within a reasonable walk distance of the site.

6.3.6 Fishbourne Church of England Primary School is within a reasonable walk distance of the site. Residents would have the opportunity to access it via Footpath 3053, National Cycle Network 2 and Roman Way or a longer route via the proposed footway link along Clay Lane and Salthill Road and Roman Way.

6.3.7 Chichester High School is located within a reasonable cycling distance of the site and is accessible via Clay Lane (on-carriageway cycling) and Fishbourne Road East / National Cycle Network Route 2.

6.3.8 Bishop Luffa Church of England School is located within a reasonable walking distance of the site and is accessible via the proposed footways along Lay Lane and public footpath 3015 (or Fishbourne Road East / Centurion Way).

6.3.9 Tesco Extra including Pharmacy and Terminus Road Industrial Estate are located within a reasonable walk distance of the site and are accessible via the proposed footway link along Clay Lane and Fishbourne Road East.

6.3.10 The Fishbourne Centre / Playing Fields / Pre School / Fishbourne Station are located within a reasonable walk distance of the site. Residents would have the opportunity to access these services via Footpath 3053, National Cycle Network 2 and Roman Way or a longer route via the proposed footway link along Clay Lane and Salthill Road and Roman Way;

6.3.11 Chichester and its facilities / employment are located to the east and are within a reasonable walk / cycle distance. Residents would have the opportunity to access Chichester via the proposed footway link along Clay Lane and Fishbourne Road East / National Cycle Network Route 2.

6.3.12 In addition, alongside residential dwellings, the permitted Land West of Centurion Way and West of Old Broyle Road development will be providing a variety of amenities i.e. a local centre (with associated employment, retail and community uses), primary school, informal and formal open

space (including a Country Park) and playing pitches, all of which will be accessible via the proposed footway link along Clay Lane and PROW 3015.

- 6.3.13** The local bus stops on Clay Lane are also within a reasonable walk distance of the site. Residents will be able to access these bus stops via the proposed footway links along Clay Lane. Route 56 provides for a regular bus service link into central Chichester including the opportunity for some work trips (first bus arriving in Chichester before 09:00 and last bus leaving Chichester after 17:00). Route 56 also serves western Fishbourne including stops close to the Fishbourne Centre / Playing Fields / Pre School.
- 6.3.14** Fishbourne Station is within a reasonable walk distance of the site, serving a number of destinations including Chichester and Portsmouth & Southsea. Residents would have the opportunity to access it via Footpath 3053, National Cycle Network 2, Roman Way and Salthill Road or a longer route via the proposed footway link along Clay Lane and Salthill Road and Roman Way. Residents with destinations in the central Chichester shopping area may prefer bus to rail given the close proximity of bus services and that Chichester Station is located a little way to the south of the shopping area.
- 6.3.15** A review of the 2011 Census data indicates that over 51% of Fishbourne residents travel to/from Chichester for work journeys. The site is very well located to take advantage of the good access to walking, cycling and public transport links to Chichester, which will encourage future residents to travel by sustainable transport modes for journeys to/from Chichester.
- 6.3.16** Whilst many local facilities and key destinations are located to the east, some local facilities are located to the southwest of the site including Fishbourne Primary School and Fishbourne Station. There are two existing pedestrian route options between the site and these facilities. The first is via a footway connection along Clay Lane to the north and then via Knott Gardens, Mosse Gardens and Salthill Road although this is a circuitous route. The more direct route is via public footpath 3053 which routes through the site and to the south connecting with the National Cycle Route Network 2 and Roman Way.
- 6.3.17** There are no services or facilities located to the north that would be accessed by residents of the proposed development. Connections have therefore been focussed towards enhancing conditions to the south and east of the development site.

6.4 Travel Plan

6.4.1 In line with the draft 'West Sussex County Council Development Travel Plan Policy' document, a separate Travel Plan (TP) has also been prepared (*i-Transport report ref:ITB12230-007B*). The WSCC Development Travel Plan Policy identifies that Residential Travel Plans should provide a **"commitment to delivering a range of measures to promote sustainable modes of transport"**. In this regard, the TP identifies the following measures;

- Provision of a 'Travel Welcome Pack', to provide information of travel opportunities and to promote travel;
- Creation of a community travel website, to provide travel information;
- Creation of a steering group consisting of local residents;
- Community noticeboards to identify travel opportunities and incentives;
- Promotion of West Sussex car sharing scheme;
- Promotion of home supermarket delivery services; and

6.4.2 The TP identifies a delivery and management strategy for these measures and commits to future monitoring of the success of the TP. In combination with the hard measures identified earlier, these will ensure opportunities to travel sustainably are taken up.

6.4.3 An Indicative Action Plan is provided in **Table 6.1**, overleaf, which summarises the comprehensive package of measures proposed to be delivered to encourage sustainable access to and from the site. Further detail is provided within the TP that accompanies the application.

Table 6.1: Sustainable Transport Strategy – Indicative Action Plan

Measure		Timescale
Travel Plan Co-Ordinator		Appointed prior to first occupation and retained through the TP period
Full Travel Plan		Agreed with WSCC prior to first occupation
Information Development and Provision	Production of travel information packs	Prior to first occupation.
	Community Notice Boards	To be phased in line with development.
	Website/Twitter feed	Prior to first occupation.
Promote car share schemes through liftshare.com		Within travel information pack and on website / notice boards.
Walking and cycling maps		Within travel information pack and on website /notice boards.
Promote Cycle maintenance groups and negotiate discounts with providers		Ongoing
Include good quality walking and cycling connections within the site		To be phased in line with development.
Promote health benefits with walking and cycling		On-going
Public Transport Information		On-going
Liaise with bus operators to negotiate discounted or incentivised fares for local bus journeys		On-going
Steering Group		On-going

6.4.4 In summary, it is clear that the proposed development does provide appropriate opportunities to promote the use of sustainable transport modes.

SECTION 7 Traffic Impact

7.1 Introduction

7.1.1 This section of the Transport Assessment establishes the likely traffic generation of the proposed development, whether it will result in significant impacts on the operation of the transport network that require cost effective mitigation. It is set out in the following sub sections:

- Development traffic generation, distribution and assignment;
- Existing traffic flows;
- Assessment years;
- Future year traffic flows;
- Operational analysis; and
- A27 impacts.

7.2 Development Traffic Generation, Distribution and Assignment

Trip Rates and Traffic Generation

7.2.1 The analysis has been undertaken using residential trip rates derived from comparable survey data contained within the TRICS trip generation database.

7.2.2 This Transport Assessment uses a trip rate assuming 100% 'private' houses¹ on the site – see **Appendix I**. This is robust as an element of the housing provision will be affordable which typically exhibits lower trip rates during highway network peak hours.

7.2.3 A summary of the vehicular trip rates and resultant development traffic generation is presented in **Table 7.1**.

¹ Based on sites in England (excluding Greater London), between 80 and 350 dwellings in Edge of Town and Neighbourhood Centre locations. Weekday surveys only.

Table 7.1: Trip Rates and Traffic Generation – 105 Dwellings

	Trip Rate			Traffic Generation		
	In	Out	Two-Way	In	Out	Two-Way
Morning Peak (08:00 – 09:00)	0.172	0.316	0.488	18	33	51
Evening Peak (17:00 – 18:00)	0.325	0.136	0.461	34	14	48

Source: TRICS and Consultant's Estimates

- 7.2.4 **Table 7.1** demonstrates the proposed development is expected to generate 51 vehicular movements during the weekday morning peak hour and 48 vehicular movements during the weekday evening peak hour. This equates to the development generating less than one vehicle movement every minute on the local highway network.

Traffic Distribution and Assignment

- 7.2.5 To distribute the development generated traffic onto the local highway network, the Travel to Work data contained within the 2011 Census has been reviewed to identify the likely destinations for employment journeys.
- 7.2.6 The likely journey purpose for the estimated development generated car driver peak hour trips has been determined using data derived from the National Travel Survey (NTS) 2019 (DfT). The proportion of peak hour trips by journey purpose by car is presented in **Table 7.2**.

Table 7.2: Proportion of Peak Hour Trips by Journey Purpose (Car Driver Only)

Trip Purpose	Morning Peak (08:00-09:00)	Evening Peak (17:00-18:00)
Commuting / Business	36.8%	43.2%
All Other Journey Purposes	63.2%	56.8%
Total	100%	100%

Source: Car driver trip start time by trip purpose (Monday to Friday only): Great Britain, 2015/19, National Travel Survey, DfT, 2020

- 7.2.7 The data set out in **Table 7.2** has been used to distribute the generated traffic. For the purpose of this assessment, the analysis has been undertaken on the basis that 43.2% of the total vehicular trips generated by the development will be for employment journeys and the remaining 56.8% of the vehicle journeys will be for all other purposes for both the morning and evening peak periods.
- 7.2.8 To provide an accurate assessment of the likely distribution of traffic from the site, separate methodologies have been applied to consider the destinations of commuting and business trips to other trip purposes:

- For commuting and business trips, the National Census Journey to Work statistics (for car drivers) for the Chichester 011 Super Output Area – Middle Layer has been used. This identifies the location of existing resident’s employment locations and so identifies existing commuting patterns; and
- For other journey purpose trips a P/T2 gravity model has been undertaken using the population of key urban areas (from the 2011 census) within a 30-minute drive from the site (estimated from Google Maps Directions facility).

7.2.9 The two sets of data are then combined to generate a single set of distribution parameters to inform the development trip assignment (**Table 7.3**).

Table 7.3: Distribution of Car Driver Trips (All Purpose)

Broad Destination	Employment Trips %	Non Employment Trips %	Combined %
Chichester	20.3%	8.7%	29.0%
Portsmouth	2.5%	20.4%	22.9%
Bognor Regis	2.5%	9.8%	12.3%
Havant	2.1%	8.5%	10.6%
Fishbourne	3.1%	5.8%	8.9%
Littlehampton	0.9%	3.6%	4.5%
Southbourne	1.4%	0.0%	1.4%
Hampshire	1.2%	0.0%	1.2%
Worthing	0.7%	0.0%	0.7%
London	0.5%	0.0%	0.5%
Other	8.0%	0.0%	8.0%
Total	43.2%	56.8%	100.0%

Source: 2011 Census / Consultant Gravity Model (some rounding applied)

7.2.10 This identifies that Chichester is the main attractor, with 29% of total travel demand, followed by Portsmouth (23%), Bognor Regis (12%), Havant (11%) and Fishbourne (9%). The remainder of trips are well distributed across various destinations.

7.2.11 The expected traffic that would be generated by the development is then assigned onto the local network to the destinations identified in **Table 7.3**.

7.2.12 To determine the routing of vehicle trips to these destinations, trips were assigned to the road network based on the quickest route from the site to the destination location using the Google Maps ‘Directions’ Facility. Within the Directions facility, a start time for journeys of 08:00 was utilised to reflect peak period traffic conditions. In some cases, a single route option was

identified by the assessment, however for the majority of destinations the assessment identified multiple routes. In these cases, development trips were distributed to the possible routes based upon the journey times identified, with the quickest route assigned a larger number of trips.

7.2.13 The full distribution and assignment model is included at **Appendix J**. The percentage assignment of development generated traffic is illustrated on **Figure TF3**.

7.2.14 The resultant two-way morning and evening peak hour development traffic assignment is illustrated on Figures **TF4** and **TF5** respectively and summarised in **Table 7.4**.

Table 7.4: Summary of Traffic Assignment

Junction		Morning Peak			Evening Peak		
		Arr	Dep	Two-Way	Arr	Dep	Two-Way
Site Access	North	10	18	28	19	8	27
	South	8	15	23	15	6	21
Clay Ln / Salthill Rd		10	18	28	19	8	27
Salthill Rd / A259 Fishbourne Rd W		5	9	14	10	4	14
Fishbourne Rd East / Supermarket / Petrol Station		8	15	23	15	6	21
Fishbourne Rd East / A259 Cathedral Way		8	26	34	15	11	26
A259 Cathedral Way / Westgate / A259 Via Ravenna		2	15	17	4	6	10
Clay Ln / Fishbourne Rd East		8	15	23	15	6	21
A27 / A259 Cathedral Way / Terminus Rd (Fishbourne Roundabout)		7	13	20	13	6	19

Source: 2011 National Census Journey to Work and P/T2 gravity model

7.2.15 Based on the above, it can be seen that 28 vehicle movements route to / from the north and 23 vehicles route to / from the south in the morning peak hour. Conversely, in the evening peak hour, 27 vehicle movements route to / from the north and 21 vehicles route to / from the south. This equates to around one vehicle movement every two to three minutes.

7.2.16 It is demonstrated above that only existing junction that will experience an increase in excess of 30 two-way vehicle movements in any hour is the Fishbourne Road East / A259 Cathedral Way junction. WSCC's Transport Assessment Guidance identifies that there is a predicted increase in total entry flows of 30 or more vehicles in any hour, junction capacity assessments would only

be required at the Fishbourne Road East / A259 Cathedral Way junction. However, to provide a robust assessment, junction capacity assessments are undertaken at the following junctions:

- Clay Lane / site access junction;
- Clay Lane / Salthill Road junction; and
- Fishbourne Road East / A259 Cathedral Way.

7.3 Existing Conditions

7.3.1 As set out in Section 3, Weekday Manual Classified Counts (MCC's) were undertaken on 27 June 2019 to obtain peak period traffic flows in the local area. In addition, Automatic Traffic Count (ATC) surveys were carried out between 9 May 2019 and 24 May 2019 on Clay Lane.

7.3.2 The observed morning and evening peak hour flows are shown on **Figures TF1** and **TF2**,

7.4 Assessment Years

2024 – Development Year of Opening

7.4.1 The first future year is the initial opening year of the development, which is assumed to be the year when the first part of the development is open for occupation. For the purposes of the traffic modelling, the opening year of the development is assumed to be 2024. As such, in the first instance the assessment needs to establish 2024 local highway network conditions (without the proposed development), taking into account committed development traffic and appropriate background traffic growth.

7.4.2 Establishing the 2024 opening year local highway network conditions is important because this is then used as the base situation to establish whether the impact of the proposed development on the operation of the local and strategic highway network would be severe and if mitigating measures are warranted.

2027 – Five Years After Submission of the Application

7.4.3 To accord with WSCC's Transport Assessment Methodology guidance, it is also proposed to undertake traffic impact assessments for five years from the submission of a planning application (i.e. 2027).

7.5 Future Year Traffic Flows

Committed Development

7.5.1 To consider the cumulative impact of local development that has been permitted but not built, the assessment of traffic impacts on the local network has been undertaken including the additional traffic associated with committed development in the area. The traffic assessment of the local road network therefore makes an allowance for the following committed developments:

- Land West of Centurion Way and West of Old Broyle Road - CDC planning application number 14/04301/OUT - Outline planning application with all matters reserved (except for access) for the first phase of development for up to 750 homes with access from Old Broyle Road, temporary access from Clay Lane, a local centre (with associated employment, retail and community uses), primary school, informal and formal open space (including a Country Park), playing pitches, associated landscaping, utilities and drainage infrastructure with on-site foul sewage package treatment plant or pumping station with connection to Tangmere Waste Water Treatment Works; and
- Land West of Frederick Road Chichester - CDC planning application number 17/03117/FUL - Erection of 25 no. dwellings with the associated vehicular and pedestrian access, parking and secure cycle storage, landscaping and open space.

7.5.2 The morning and evening traffic flows associated with the 'Land West of Centurion Way and West of Old Broyle Road' have been obtained from the accompanying Transport Assessment and re-produced as **Figures TF6** and **TF7** respectively.

7.5.3 For the 'Land At Bethwines Farm' and the 'Land West of Frederick Road' developments, the accompanying Transport Statements did not include traffic flow diagrams. As a result, the development traffic has been distributed onto the local highway network on the basis of the methodology utilised as part of this planning application. **Figures TF8** to **TF11** present the resultant morning and evening peak hour traffic flows.

7.5.4 The flows have been combined to provide Total Committed Development morning and evening peak period flows; shown on **Figures TF12** and **TF13** respectively.

Appropriate Background Traffic Growth

- 7.5.5 To establish forecast growth between the collection of baseline data and identified assessment years, TEMPRO growth rates have been sourced for the Chichester 011 mid-layer super output area.
- 7.5.6 The default derived growth factors take account of local housing and employment projections, so considers the cumulative impact of development in Fishbourne. At this stage, no adjustments have been made to the projected household growth within TEMPRO as the listed committed developments fall outside the mid-layer super output area to which the site falls.
- 7.5.7 The calculated growth factors are summarised in **Table 7.5**. Figures **TF14** to **TF19** illustrate the associated future year traffic flows.

Table 7.5: Growth Rates

Date Range	Morning Peak	Evening Peak
2019-2024	1.0487	1.0482
2019-2027	1.0738	1.0735

Source: TEMPRO

- 7.5.8 The future year traffic flows (with committed development but without the proposed development) are provided on the following figures:
- **Figure TF20** – 2024 Traffic Flows - Morning Peak Hour;
 - **Figure TF21** – 2024 Traffic Flows - Evening Peak Hour;
 - **Figure TF22** – 2027 Traffic Flows – Morning Peak Hour; and
 - **Figure TF23** – 2027 Traffic Flows – Evening Peak Hour.
- 7.5.9 The future year traffic flows (with the proposed development) are provided in the following figures:
- **Figure TF24** – 2024 plus Development – Morning Peak Hour;
 - **Figure TF25** – 2024 Plus Development – Evening Peak Hour;
 - **Figure TF26** – 2027 'Plus Development – Morning Peak Hour; and
 - **Figure TF27** – 2027 Plus Development – Evening Peak Hour.

7.6 Operational Analysis

7.6.1 Operational analysis has been undertaken at the following junctions:

- Clay Lane / Site Access junction;
- Clay Lane / Salthill Road junction; and
- Fishbourne Road East / A259 Cathedral Way.

7.6.2 Tests for the junctions have been undertaken using the weekday morning and evening peak hour traffic flows (08:00 to 09:00 and 17:00 to 18:00) and the peak hour traffic generation of the development (08:00 to 09:00 and 17:00 to 18:00). The assessment results are therefore a worst case. The junctions have been assessed using the industry standard TRL software Junctions 9 and LINSIG.

7.6.3 The principal outputs derived from the traffic models are the Ratio of Flow to Capacity (RFC²) (for roundabouts and priority junctions), the Degree of Saturation (DOS) (for traffic signals) and queue length (for all types of junction).

7.6.4 Detailed modelling assessments have been undertaken considering the following scenarios:

- 2019 Observed;
- 2024;
- 2024 plus Development;
- 2027; and
- 2027 plus Development.

7.6.5 **Appendix K** presents the full junction modelling output with the results of the assessments summarised in the following paragraphs.

Clay Lane / Site Access Junction

7.6.6 Operational assessments of the proposed simple priority site access have been undertaken for the design year 'With Development' scenarios.

² An RFC of 1 means that the traffic demand equals the available capacity. An RFC of less than 1 means that the junction is operating below capacity. An RFC of 0.85 is often used as a threshold – less than this and the junction will be generally 'free flowing'.

7.6.7 The junction capacity assessment results are summarised in **Table 7.6**.

Table 7.6: Clay Lane / Site Access

Arm	Morning Peak Period			Morning Peak Period		
	RFC	Delay (s)	Queue (Veh)	RFC	Delay (s)	Queue (Veh)
2024 'With Development'						
Site Access	0.07	<1	8	0.03	<1	8
Clay Lane (North – Right Turn)	0.03	<1	5	0.04	<1	5
2027 'With Development'						
Site Access	0.07	<1	8	0.03	<1	8
Clay Lane (North – Right Turn)	0.03	<1	5	0.04	<1	5

Source: Junction 9

7.6.8 The analysis demonstrates that the proposed site access will operate with substantial spare capacity and will not result in any material queueing that would impact on vehicles traveling on the Clay Lane during the highway network weekday peak hours.

Salthill Road / Clay Lane Junction

7.6.9 The Salthill Road / Clay Lane junction is located north of the site access and takes the form of a crossroads. The junction capacity assessment results are summarised in **Table 7.7**.

Table 7.7: Salthill Road / Clay Lane Junction

Arm	Morning Peak Period			Morning Peak Period		
	RFC	Delay (s)	Queue (Veh)	RFC	Delay (s)	Queue (Veh)
2019 Observed						
Clay Lane (East)	0.28	12	<1	0.52	18	1
Salthill Road North (Right turn)	0.07	7	<1	0.12	6	<1
Clay Lane (West)	0.44	16	<1	0.24	11	<1
Salthill Road South (Right Turn)	0.49	10	1	0.25	7	<1
2024 'Without Development'						
Clay Lane (East)	0.32	1	13	0.56	1	20
Salthill Road North (Right turn)	0.08	<1	7	0.13	<1	6
Clay Lane (West)	0.49	1	18	0.26	<1	12
Salthill Road South (Right Turn)	0.53	1	11	0.28	1	7
2024 'With Development'						
Clay Lane (East)	0.36	1	14	0.58	1	21
Salthill Road North (Right turn)	0.08	<1	7	0.13	<1	6

Arm	Morning Peak Period			Morning Peak Period		
	RFC	Delay (s)	Queue (Veh)	RFC	Delay (s)	Queue (Veh)
Clay Lane (West)	0.49	1	18	0.26	<1	12
Salthill Road South (Right Turn)	0.55	2	11	0.30	1	8
2027 'Without Development'						
Clay Lane (East)	0.32	1	13	0.58	1	21
Salthill Road North (Right turn)	0.08	<1	7	0.13	<1	6
Clay Lane (West)	0.49	1	18	0.26	<1	12
Salthill Road South (Right Turn)	0.54	1	11	0.28	1	7
2027 'With Development'						
Clay Lane (East)	0.37	1	14	0.60	2	22
Salthill Road North (Right turn)	0.08	<1	7	0.13	<1	6
Clay Lane (West)	0.50	1	19	0.26	<1	12
Salthill Road South (Right Turn)	0.56	2	11	0.31	1	8

Source: Junction 9

7.6.10 **Table 7.7** demonstrates that the Salthill Road / Clay Lane junction currently operates well within capacity in both peak periods (i.e. with minimal queuing and delay). The results go on to demonstrate that in the 2027 'with' and 'without' development scenarios, the junction will continue to operate well within capacity with negligible queuing and delay.

Fishbourne Road East / A259 Cathedral Way Priority Junction

7.6.11 The Fishbourne Road East / A259 Cathedral Way junction is located to the south-east of the site and comprises of a left out only from Fishbourne Road E onto the A259 Cathedral Way and dedicated left and right only give way lanes on the approach to the Fishbourne Road E arm.

7.6.12 Given the type of junction arrangement, and the limitations of Junctions 9, the junction has been modelled using LINSIG. In this instance the parameters based on the geometric layout at the give way locations have been input into Junctions 9 to identify the slope and intercept values. The calculated slope and intercept values have then been added to the LINSIG model to inform capacity constraints at the give way locations.

7.6.13 When observing the operation of the junction at peak times it was noted that slow rolling traffic develops on the A259 Cathedral Way arms of the junction. This slow rolling traffic was observed to form back from the adjacent A27 Chichester Bypass / A259 Cathedral Way roundabout ('Fishbourne Roundabout') located to the west. Indeed, as demonstrated in **Table 7.8**, when modelled in isolation, the junction operates well within capacity in all scenarios.

Table 7.8: Fishbourne Road E / A259 Cathedral Way

Arm	Morning Peak Period			Morning Peak Period		
	DoS	MMQ	Av. Delay	DoS	MMQ	Av. Delay
2019 Observed						
A259 (West) - Left Turn	31.0%	<1	4	29.0%	<1	4
A259 (East) - Right Turn	31.1%	<1	6	49.4%	1	7
2024 'Without Development'						
A259 (West) - Left Turn	33.0%	<1	4	31.2%	<1	4
A259 (East) - Right Turn	35.2%	<1	7	55.8%	1	9
2024 'With Development'						
A259 (West) - Left Turn	34.0%	<1	4	32.7%	<1	4
A259 (East) - Right Turn	35.7%	<1	7	53.6%	1	8
2027 'Without Development'						
A259 (West) - Left Turn	33.5%	<1	4	31.7%	<1	4
A259 (East) - Right Turn	36.0%	<1	7	56.9%	1	9
2027 'With Development'						
A259 (West) - Left Turn	34.4%	<1	4	33.5%	<1	4
A259 (East) - Right Turn	36.5%	<1	7	57.7%	1	9

Source: LINSIG

7.6.14 On the basis of the above analysis, it can be concluded that the junction will operate within capacity with negligible queuing in all scenarios.

Impacts on the A27

7.6.15 In addition, given the proximity of the site to the A27 strategic road network, an A27/A259 Fishbourne Roundabout Impact Assessment Technical Note (report ref: ITB12230-005) has previously been submitted to Highways England (HE) assessing the impact of 120 dwellings at the proposed site – see **Appendix L**. The Technical Note identified the likely traffic impact resulting from the proposed development on the A27 Fishbourne Roundabout and concluded that the proposed development is predicted to add up to 26 two-way vehicle movements (equating to approximately one additional vehicle every two minutes) through the junction.

7.6.16 Discussions have been held with HE regarding the development generated impact and HE have agreed modelling of the A27 Fishbourne Roundabout is not required provided that a relevant contribution of the A27 Local Plan mitigations is made based on Chichester District Council's SPD 'Approach for securing development contributions to mitigate additional traffic impacts on the A27 Chichester Bypass'.

-
- 7.6.17 Previous discussions regarding an appropriate financial contribution towards the A27 Fishbourne Roundabout improvements were based on 120 dwellings and requested £1,803 per dwelling (totalling £216,360) in accordance with CDC's SPD. This TA supports a planning application of 105 dwellings, therefore the total contribution required is £189,315.
- 7.6.18 These improvements will look to improve not only the 'Fishbourne Roundabout' capacity itself but reduce the level of rolling traffic on its approaches, including the A259 corridor.
- 7.6.19 In summary, the proposed development is expected to generate 51 vehicular movements during the weekday morning peak hour and 48 vehicular movements during the weekday evening peak hour. This equates to the development generating less than 1 vehicle every minute on the local highway network. This level of traffic flow increase does not result in significant impacts on the operation of the local highway network and as such mitigation measures are not necessary. A contribution will be paid to fund improvements on the A27 corridor. The residual cumulative impacts certainly fall short of the severe tests set in the NPPF.

SECTION 8 Summary and Conclusions

8.1 Summary

8.1.1 Gleeson Land has appointed i-Transport LLP to provide transport and highways advice in relation to an outline planning application for a residential development comprising up to 105 dwellings on land at Clay Lane, Fishbourne.

Proposed Site Access Arrangements

8.1.2 Vehicular access to the site is proposed from the west side of Clay Lane in the form of a simple priority junction situated around 320m south of the Hannah Place / Taylor's Copse junction with Clay Lane.

8.1.3 Footway connections along Clay Lane to the southeast and north are proposed to connect to the existing footways.

8.1.4 An independent Stage One Road Safety Audit (RSA) has been undertaken of the proposed site access arrangements and footway links along Clay Lane. The proposed site access arrangements submitted as part of this application address the road safety concerns identified and as such there are no residual road safety concerns.

8.1.5 Public footpath 3053 routes through the southeast corner of the site crossing the railway line (Palace level crossing) and providing a convenient and direct link to the facilities in Fishbourne and Chichester (via NCN Route 2).

8.1.6 In addition to the pedestrian access opportunities outlined above, the applicant is discussing with Network Rail the most appropriate provision of enhanced / accessible access across the railway line, likely in the form of a new bridge alongside the diversion of existing public footpath 3053 which passes through the site. The new crossing would be subject to a separate planning application to be submitted following agreement from Network Rail on its proposed design and location. The development would provide funding for this application and the improvement works, thereby securing an enhanced railway line crossing for existing and future users.

8.1.7 In summary, the site access proposals accord with Local Plan Policy 39 and the NPPF (para 110) by providing safe and efficient access to the highway network.

Opportunities to Promote Sustainable Transport Modes

- 8.1.8 Whilst many local facilities and key destinations are located to the east, some local facilities are located to the south west of the site including Fishbourne Primary School and Fishbourne Station. There are two existing pedestrian route options between the site and these facilities. The first is via a footway connection along Clay Lane to the north and then via Knott Gardens, Mosse Gardens and Salthill Road although this is a circuitous route. The more direct route is via public footpath 3053 which routes through the site and to the south connecting with the National Cycle Route Network 2 and Roman Way.
- 8.1.9 Public footpath 3053 however crosses the railway line at grade at a level crossing known as Palace. Sighting / visibility for pedestrians at the crossing is good and a level crossing safety event has not been known to occur at Palace level crossing in the last 12 months to March 2020. Network Rail has no current plans for any improvements to the crossing, although if funding becomes available, they may remove the steps and the skew at the crossing. The crossing operates safely. The applicant is discussing with Network Rail the most appropriate provision of improved pedestrian access across the railway line. This is likely to be in the form of a new footbridge alongside the diversion of existing public footpath 3053 which passes through the site. The new crossing would be subject to a separate planning application to be submitted following agreement from Network Rail on its proposed design and location.
- 8.1.10 Chichester and its facilities / employment are located to the east and are within a reasonable walk / cycle distance. Residents would have the opportunity to access Chichester via the proposed footway link along Clay Lane and Fishbourne Road East / National Cycle Network Route 2.
- 8.1.11 The local bus stops on Clay Lane are also within a reasonable walk distance of the site. Residents will be able to access these bus stops via the proposed footway links along Clay Lane. Route 56 provides for a reasonable bus service link into central Chichester including the opportunity for some work trips (first bus arriving in Chichester before 09:00 and last bus leaving Chichester after 17:00). Route 56 also serves western Fishbourne including the bus stops closest to Fishbourne Centre / Playing Fields / Pre School.
- 8.1.12 Fishbourne Station is within a reasonable walk distance of the site, serving a number of destinations including Chichester and Portsmouth & Southsea.

8.1.13 A Travel Plan is also provided which provides a commitment to delivering a range of measures to promote sustainable modes of transport.

8.1.14 In summary, there are opportunities to promote sustainable transport modes in accordance with Local Plan Policy 39 and the NPPF (para 110).

Traffic Impact

8.1.15 The proposed development is expected to generate 51 vehicular movements during the weekday morning peak hour and 48 vehicular movements during the weekday evening peak hour. This equates to the development generating less than 1 vehicle every minute on the local highway network. This level of traffic flow increase does not result in significant impacts on the operation of the local highway network. The Clay Lane / Site Access junction, Clay Lane / Salthill Road junction and Fishbourne Road East / A259 Cathedral Way junction have been assessed and remain within capacity when development traffic is added. As such mitigation measures are not necessary on the local highway network. The developer has engaged with Highways England to discuss whether it is appropriate for the proposed development to make a contribution to the identified A27 Fishbourne Roundabout junction improvements and a contribution in accordance with CDC's SPD has been proposed. The residual cumulative impacts certainly fall short of the severe tests set in the NPPF.

8.1.16 In summary, the impact of traffic generated by the proposed development on the operation of the local highway network is not significant and falls well short of the severe test set in Local Plan Policy 39 and the NPPF (paras 110 and 111).

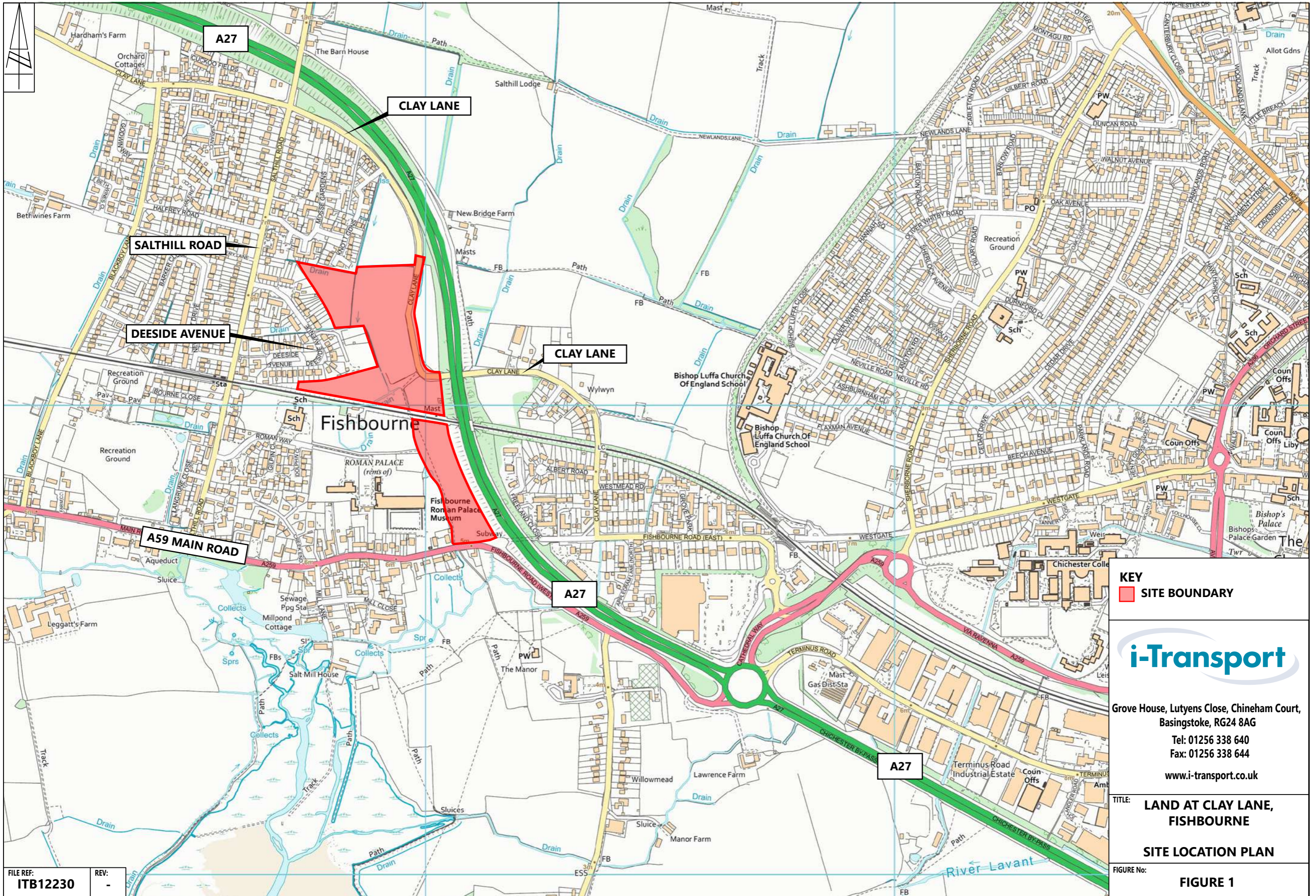
8.2 Conclusions

8.2.1 In conclusion:

- The proposed development provides for safe and suitable access from Clay Lane;
- The site is within a reasonable walking and cycling distance of facilities in Fishbourne and Chichester. Bus and rail services stop within a reasonable walk distance of the site. There are opportunities to promote sustainable transport modes; and
- The impact of traffic generated by the proposed development on the operation of the highway network is not significant and falls well short of the severe test.

8.2.2 The proposals therefore meet the requirements of Chichester Local Plan Policy 39 and the requirements for sustainable transport set out in the National Planning Policy Framework (paras 110 and 111).

FIGURES



KEY
█ SITE BOUNDARY

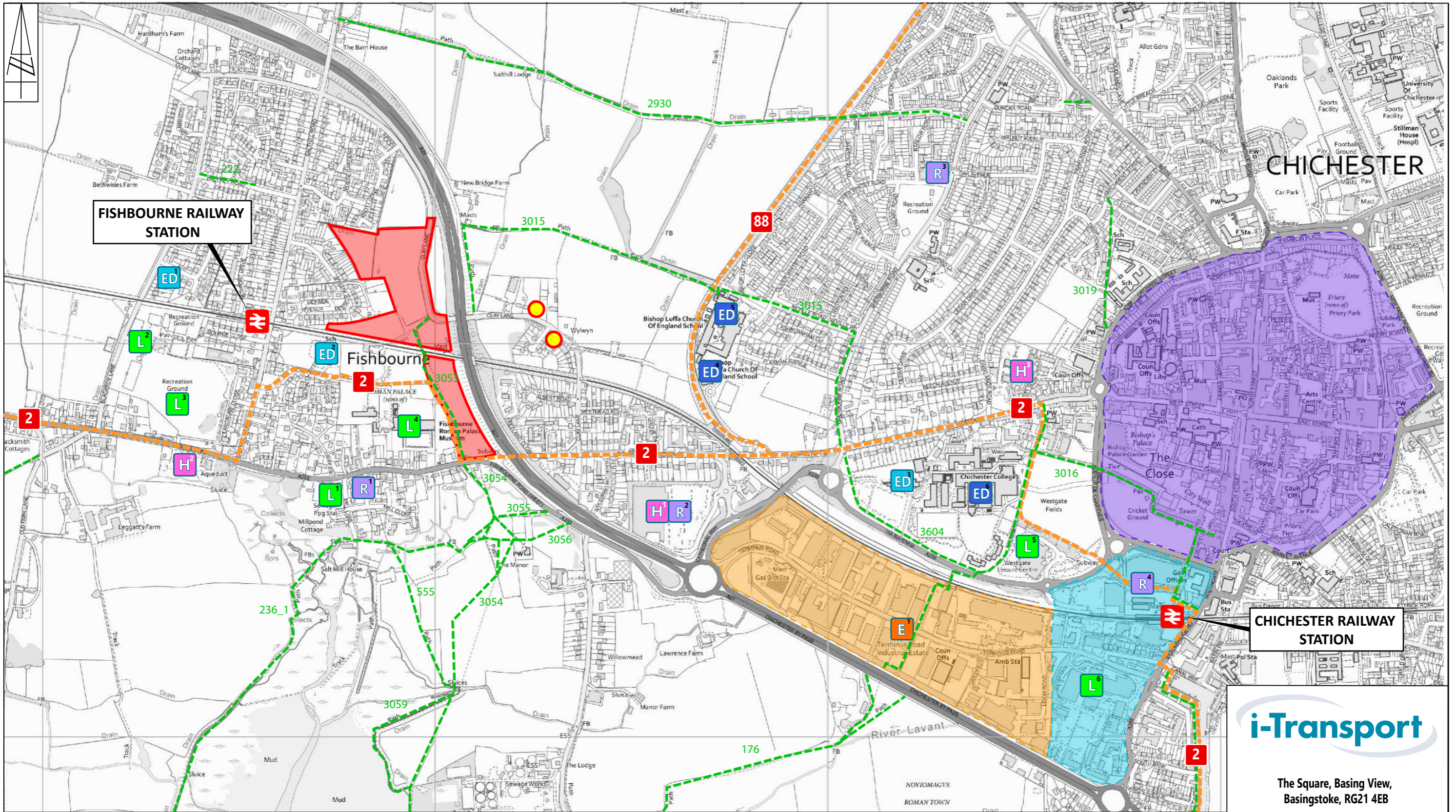


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TITLE: **LAND AT CLAY LANE,
 FISHBOURNE**
SITE LOCATION PLAN

FIGURE No: **FIGURE 1**

FILE REF: **ITB12230**
 REV: **-**



- KEY**
- SITE BOUNDARY
 - ✈ RAIL STATION
 - CHICHESTER TOWN CENTRE
 - EMPLOYMENT AREA
 - RETAIL AND LEISURE AREA
 - BUS STOP
- LEISURE**
- ¹ THE BULLS HEAD PUB
 - ² THE FISHBOURNE CENTRE
 - ³ FISHBOURNE RECREATION GROUND
 - ⁴ FISHBOURNE ROMAN PALACE AND CAFE
 - ⁵ WESTGATE LEISURE CENTRE
 - ⁶ CHICHESTER GATE LEISURE PARK

- EMPLOYMENT**
- ^E TERMINUS INDUSTRIAL ESTATE
- RETAIL**
- ^{R1} O'HAGAN'S FARM SHOP
 - ^{R2} TESCO EXTRA
 - ^{R3} CO-OP
 - ^{R4} WAITROSE

- EDUCATION**
- ^{ED} FISHBOURNE PRE-SCHOOL
 - ^{ED} FISHBOURNE C OF E PRIMARY SCHOOL
 - ^{ED} FIRST STEPS CHILDCARE
 - ^{ED} BISHOP LUFFA SCHOOL
 - ^{ED} STAGECOACH PERFORMING ARTS CHICHESTER
 - ^{ED} CHICHESTER COLLEGE

- HEALTHCARE**
- ^H TESCO PHARMACY
 - ^H THE BOSHAM CLINIC
 - ^H PARKLANDS SURGERY
- ² NATIONAL CYCLE NETWORK
- PROW

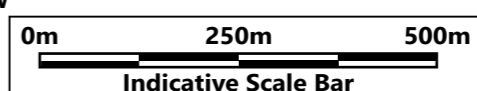


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TITLE: LAND AT CLAY LANE,
FISHBOURNE
ACCESSIBILITY PLAN

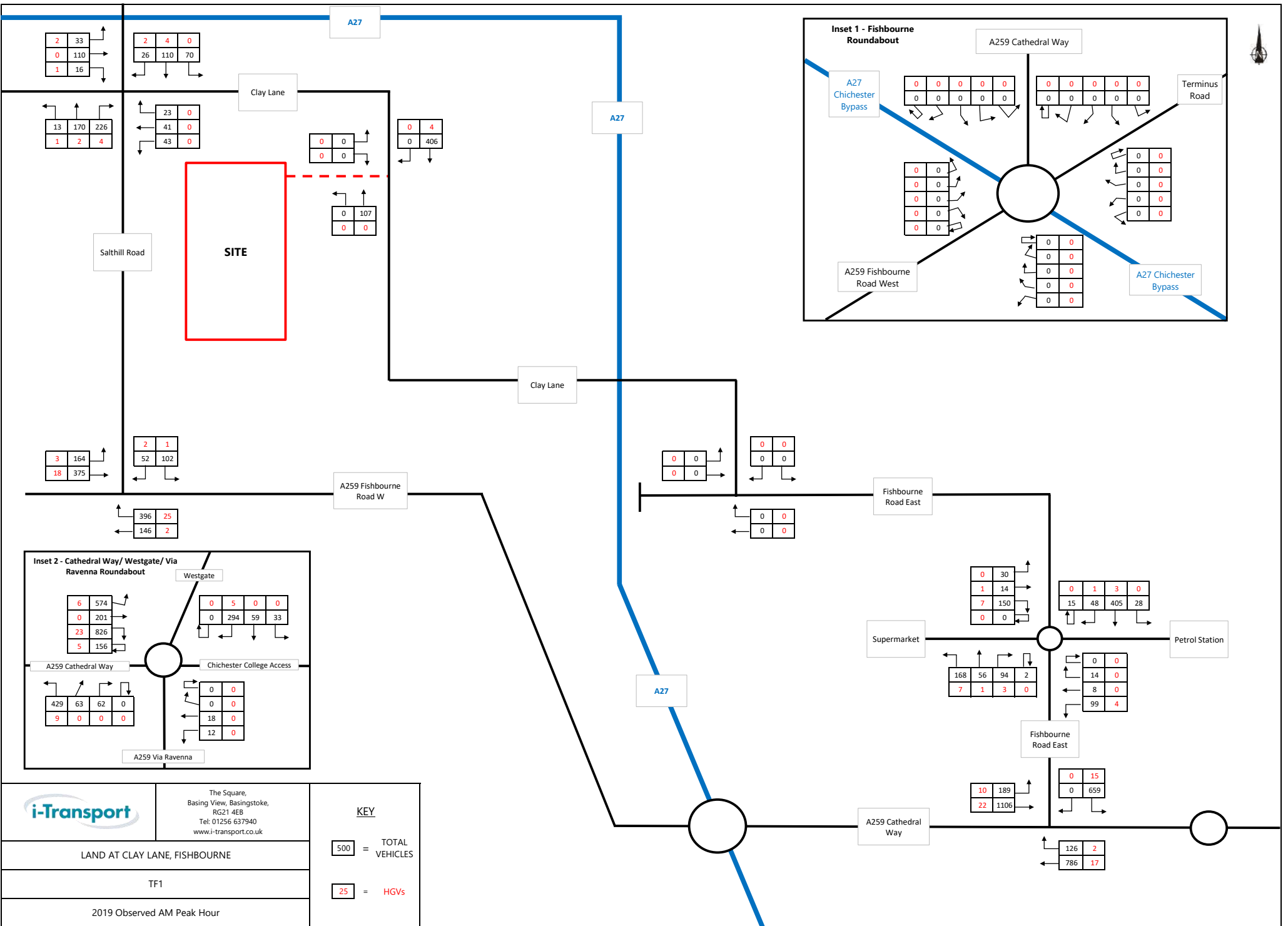
FIGURE No: **FIGURE 2**

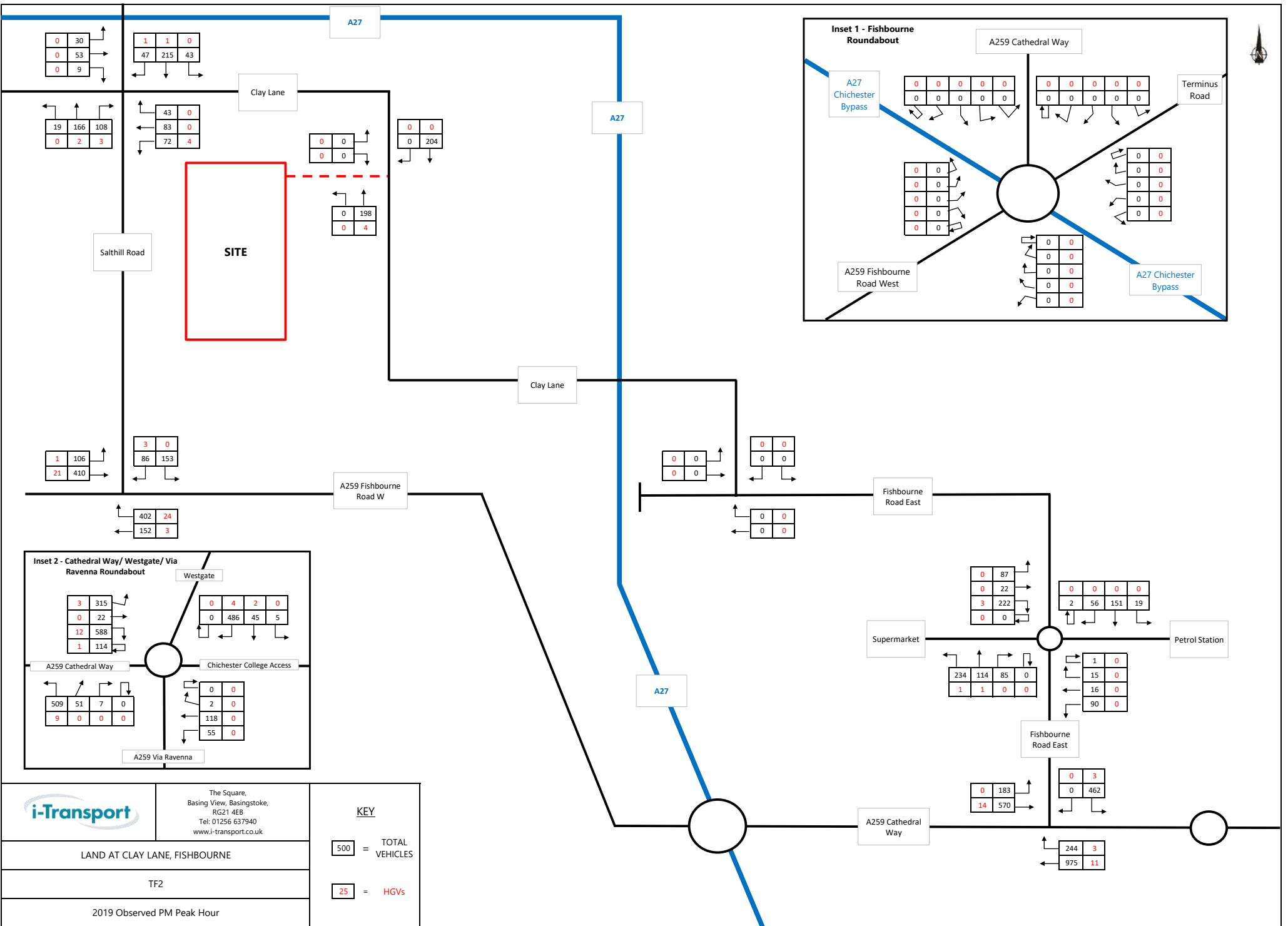
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REV: -



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TRAFFIC FIGURES



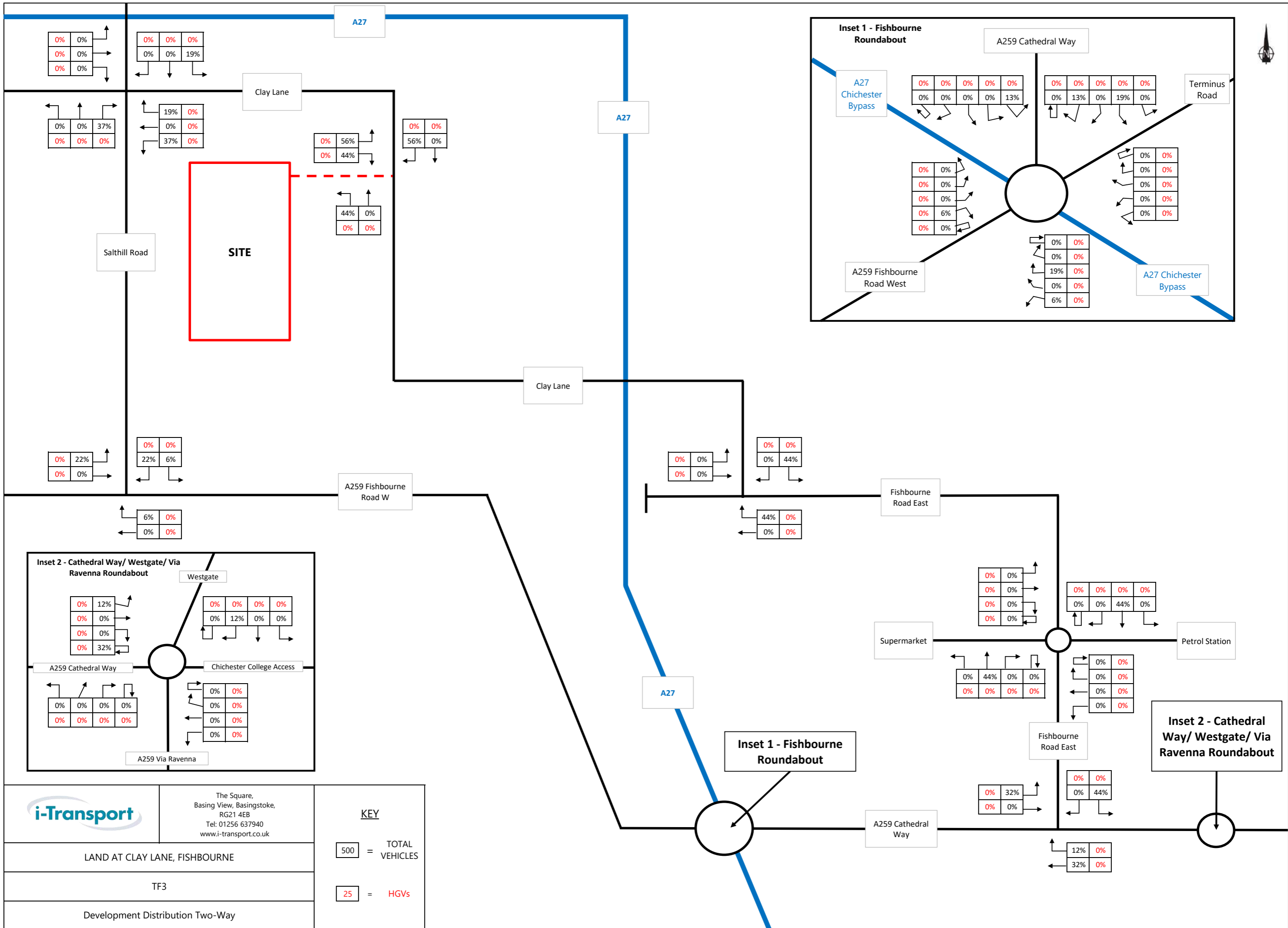


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LAND AT CLAY LANE, FISHBOURNE

TF2

2019 Observed PM Peak Hour



0%	0%
0%	0%
0%	0%

0%	0%	0%
0%	0%	19%

0%	0%	37%
0%	0%	0%

19%	0%
0%	0%
37%	0%

0%	56%
0%	44%

0%	0%
56%	0%

44%	0%
0%	0%

0%	22%
0%	0%

0%	0%
22%	6%

6%	0%
0%	0%

0%	0%
0%	0%

0%	0%
0%	44%

44%	0%
0%	0%

Inset 2 - Cathedral Way/ Westgate/ Via Ravenna Roundabout

0%	12%
0%	0%
0%	0%
0%	32%

0%	0%	0%	0%
0%	12%	0%	0%

0%	0%	0%	0%
0%	0%	0%	0%

0%	0%
0%	0%
0%	0%
0%	0%

Inset 1 - Fishbourne Roundabout

0%	0%
0%	0%
0%	0%
0%	6%
0%	0%

0%	0%	0%	0%	0%
0%	13%	0%	19%	0%

0%	0%
0%	0%
0%	0%
0%	0%

0%	0%
0%	0%
19%	0%
0%	0%
6%	0%

0%	0%
0%	0%
0%	0%
0%	0%

0%	0%	0%	0%
0%	0%	44%	0%

0%	44%	0%	0%
0%	0%	0%	0%

0%	0%
0%	0%
0%	0%

0%	32%
0%	0%

0%	0%
0%	44%

12%	0%
32%	0%



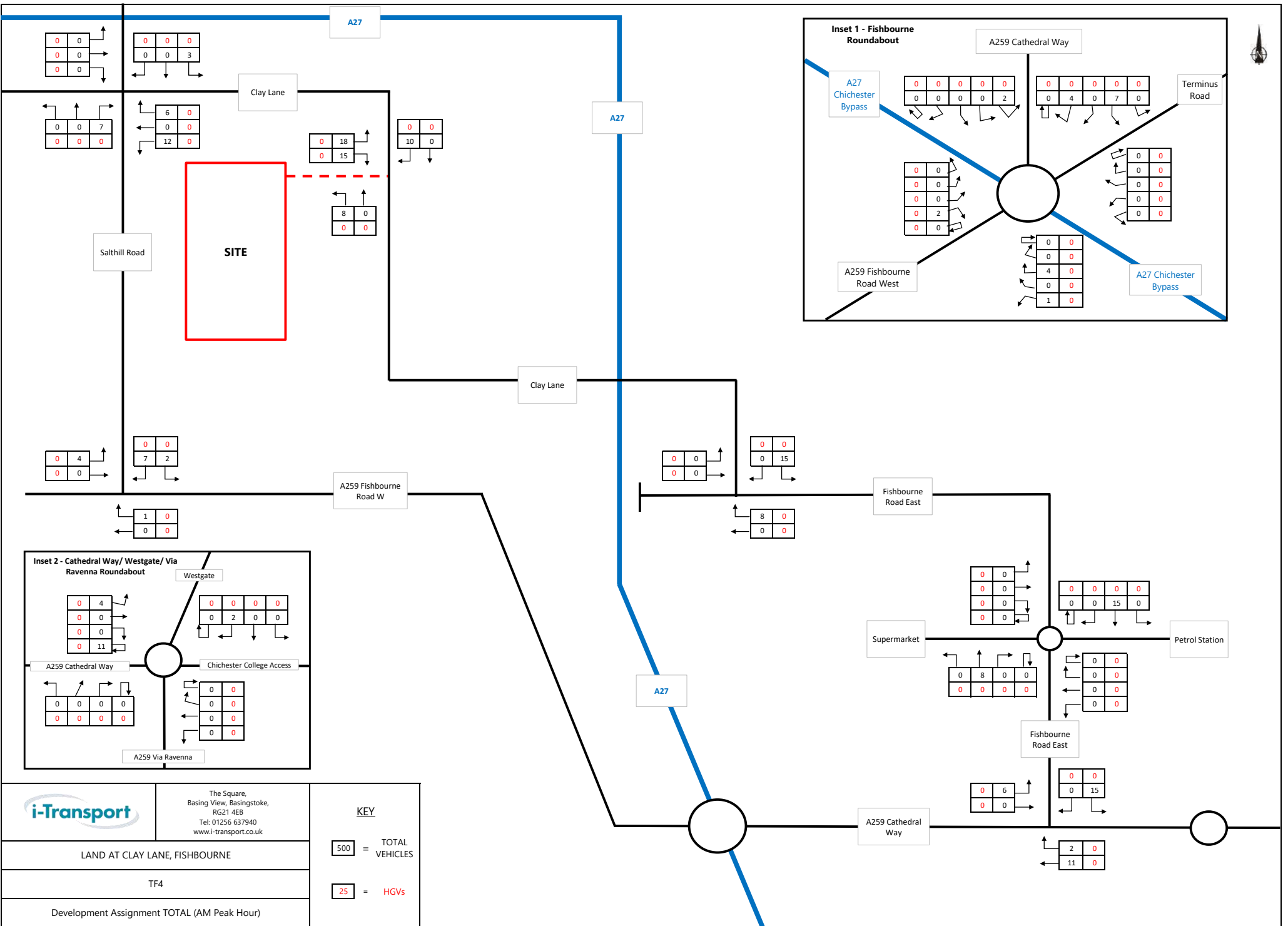
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KEY
500 = TOTAL VEHICLES
25 = HGVs

LAND AT CLAY LANE, FISHBOURNE

TF3

Development Distribution Two-Way

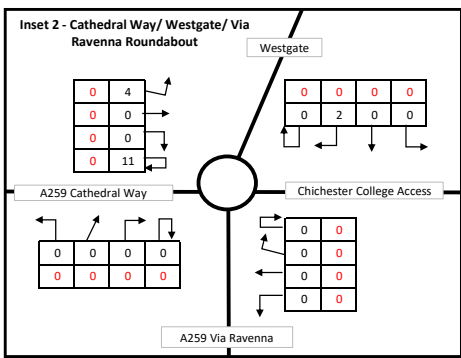
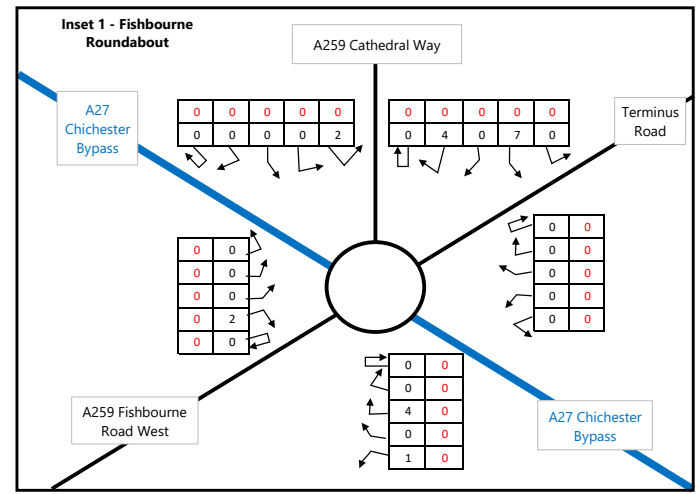


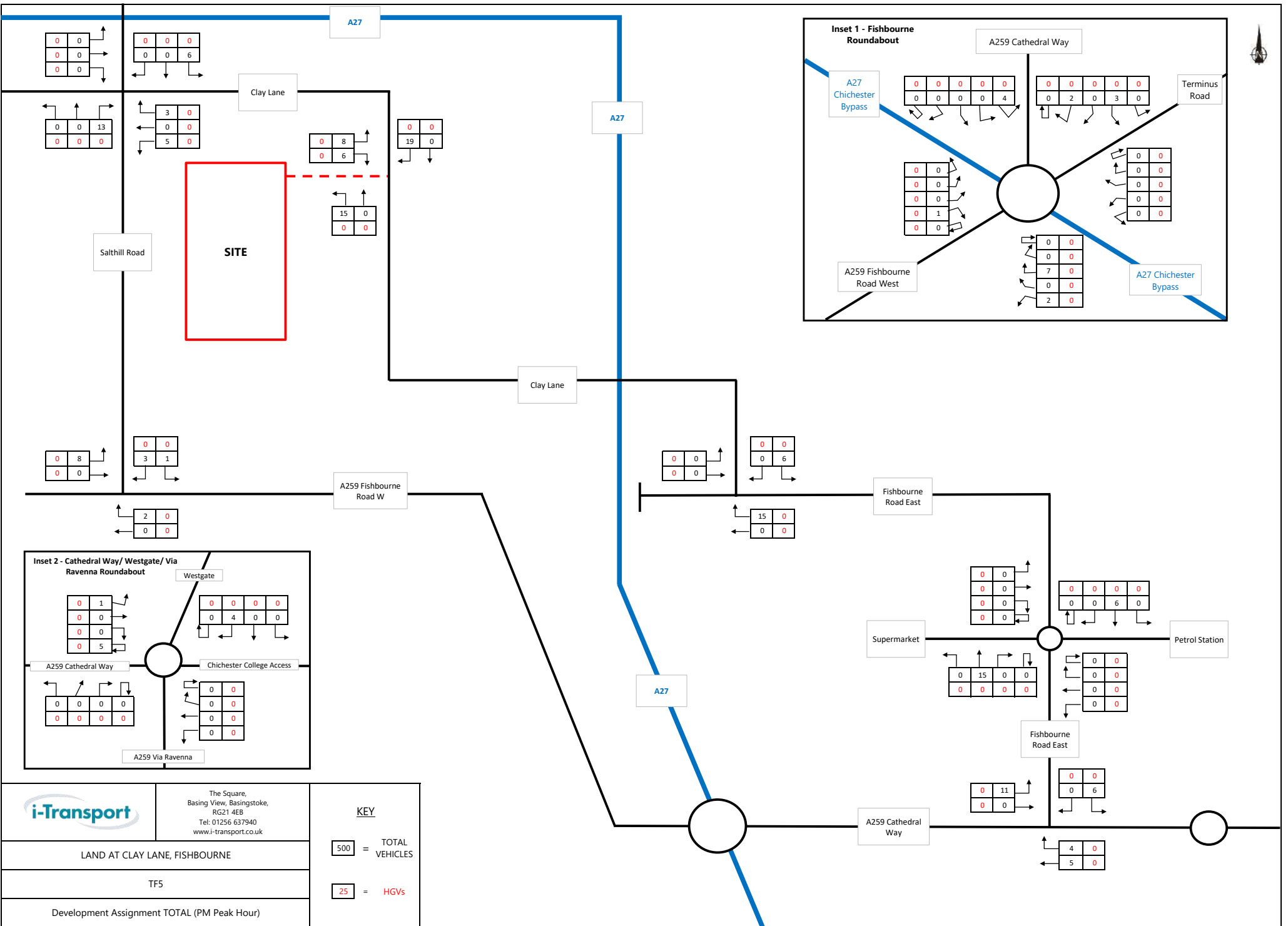
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LAND AT CLAY LANE, FISHBOURNE

TF4

Development Assignment TOTAL (AM Peak Hour)





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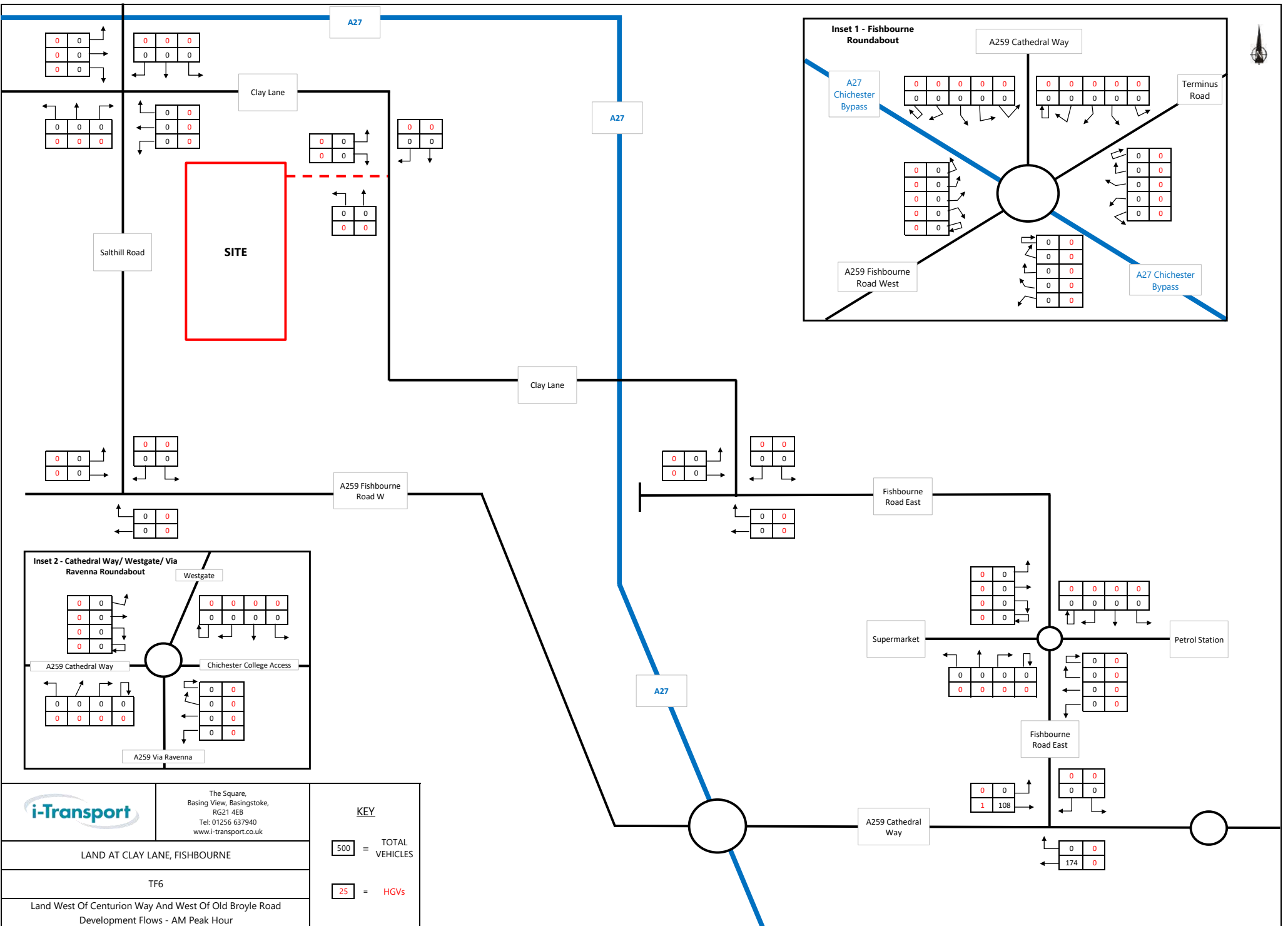
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25 = HGVs

LAND AT CLAY LANE, FISHBOURNE

TF5

Development Assignment TOTAL (PM Peak Hour)



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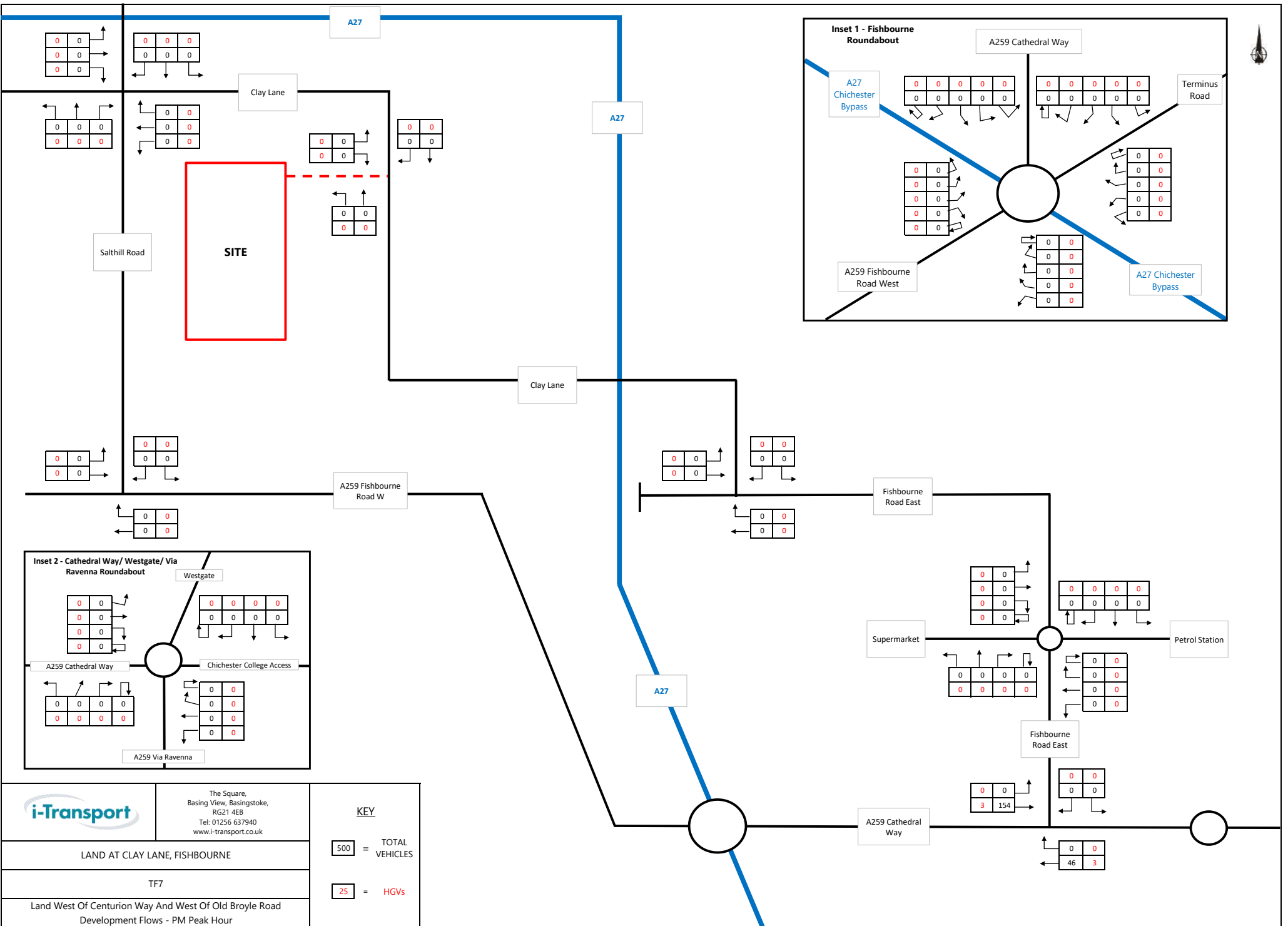
500 = TOTAL VEHICLES

25 = HGVs

LAND AT CLAY LANE, FISHBOURNE

TF6

Land West Of Centurion Way And West Of Old Broyle Road
Development Flows - AM Peak Hour

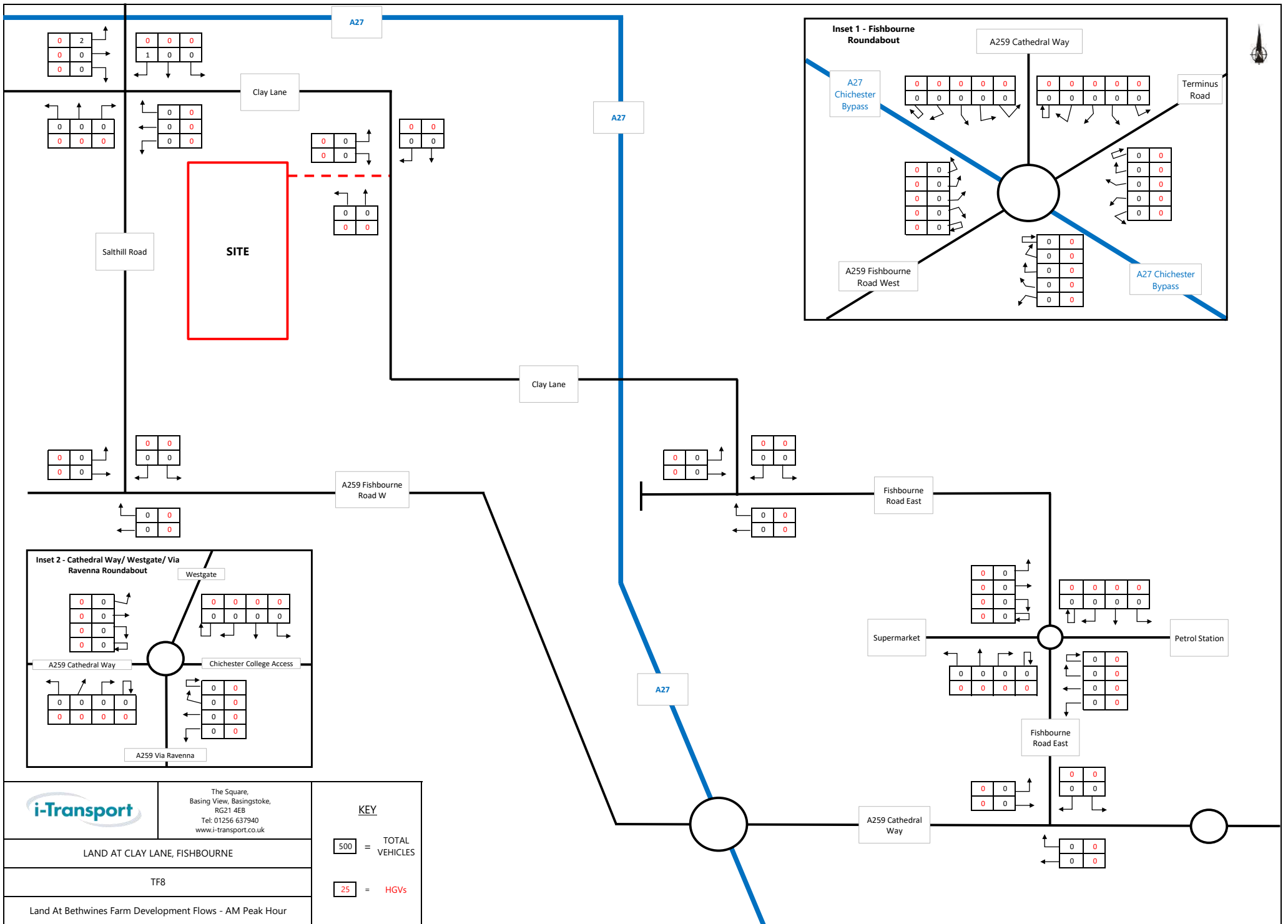


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LAND AT CLAY LANE, FISHBOURNE

TF7

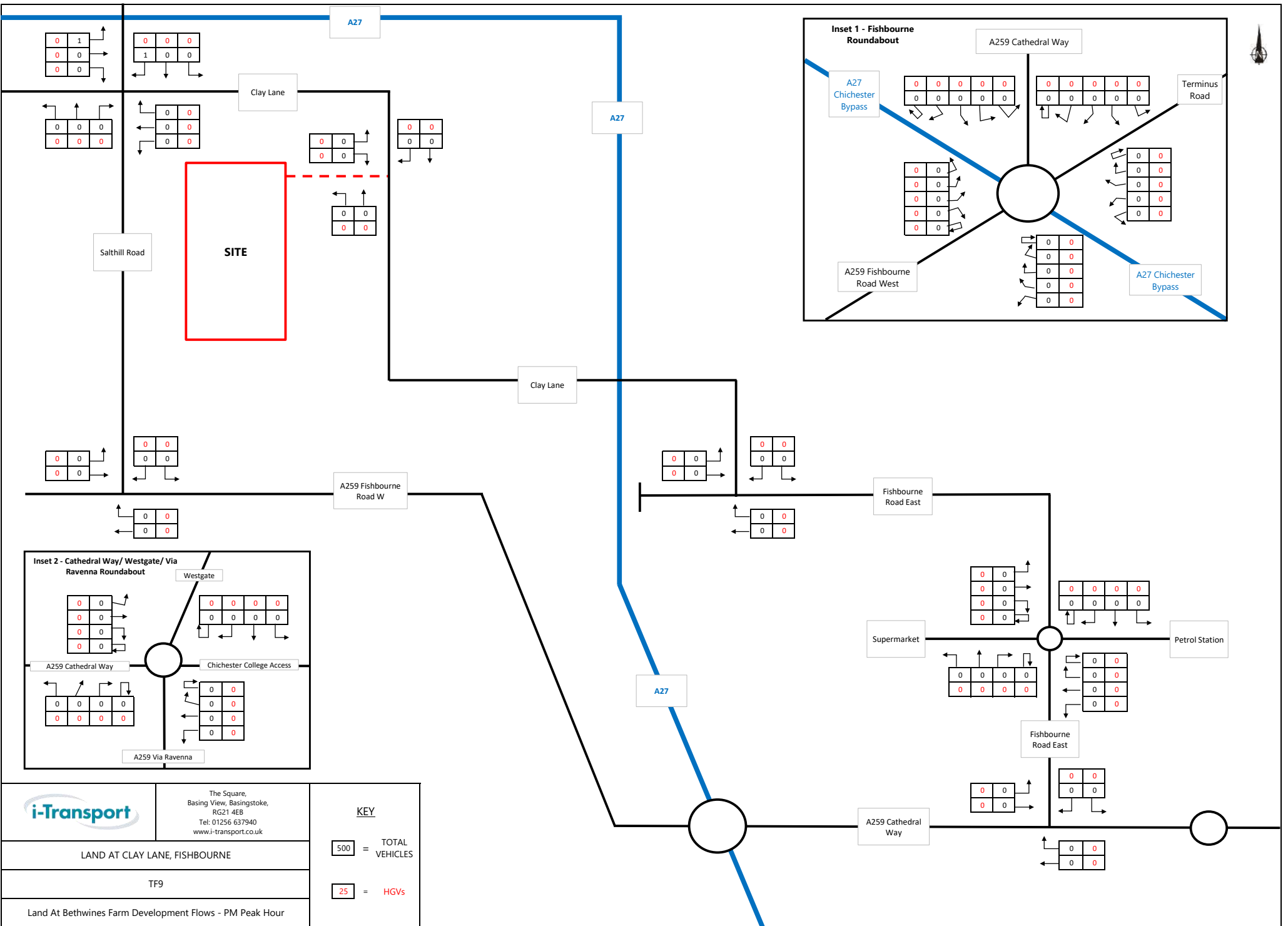
Land West Of Centurion Way And West Of Old Broyle Road
Development Flows - PM Peak Hour



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KEY
 500 = TOTAL VEHICLES
 25 = HGVs

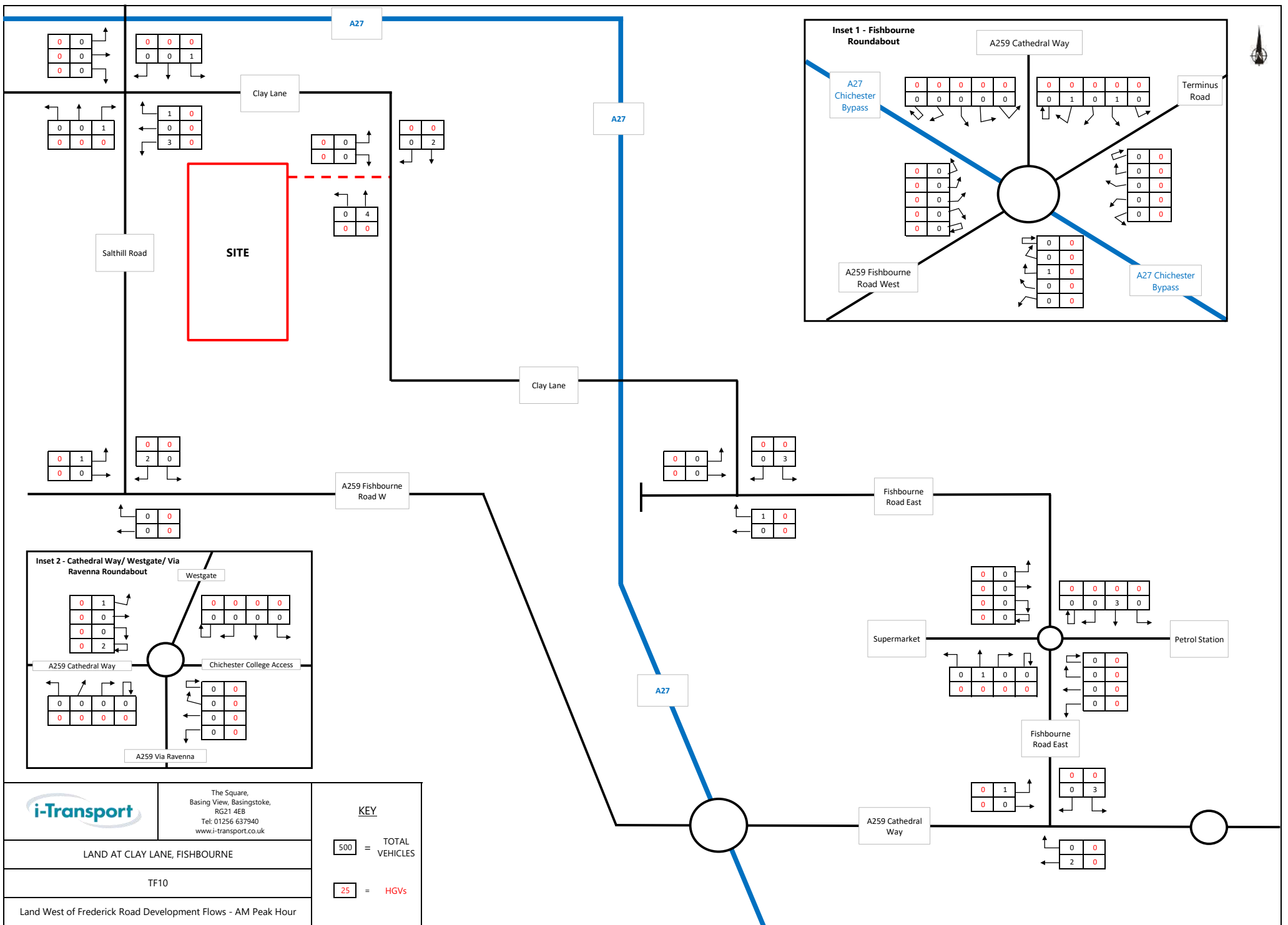
LAND AT CLAY LANE, FISHBOURNE
 TF8
 Land At Bethwines Farm Development Flows - AM Peak Hour



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KEY
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25 = HGVs

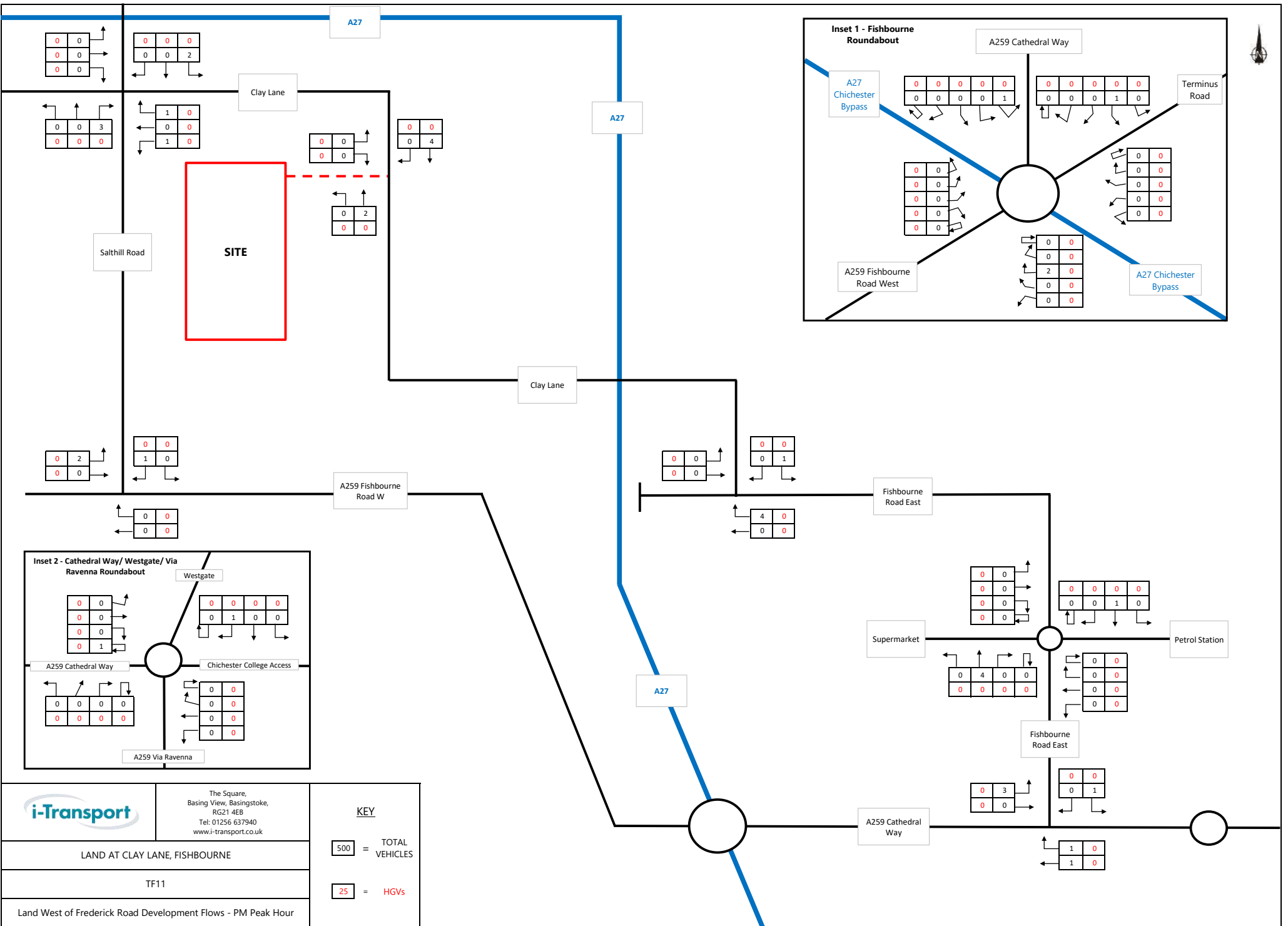
LAND AT CLAY LANE, FISHBOURNE
 TF9
 Land At Bethwines Farm Development Flows - PM Peak Hour



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KEY
500 = TOTAL VEHICLES
25 = HGVs

LAND AT CLAY LANE, FISHBOURNE
 TF10
 Land West of Frederick Road Development Flows - AM Peak Hour



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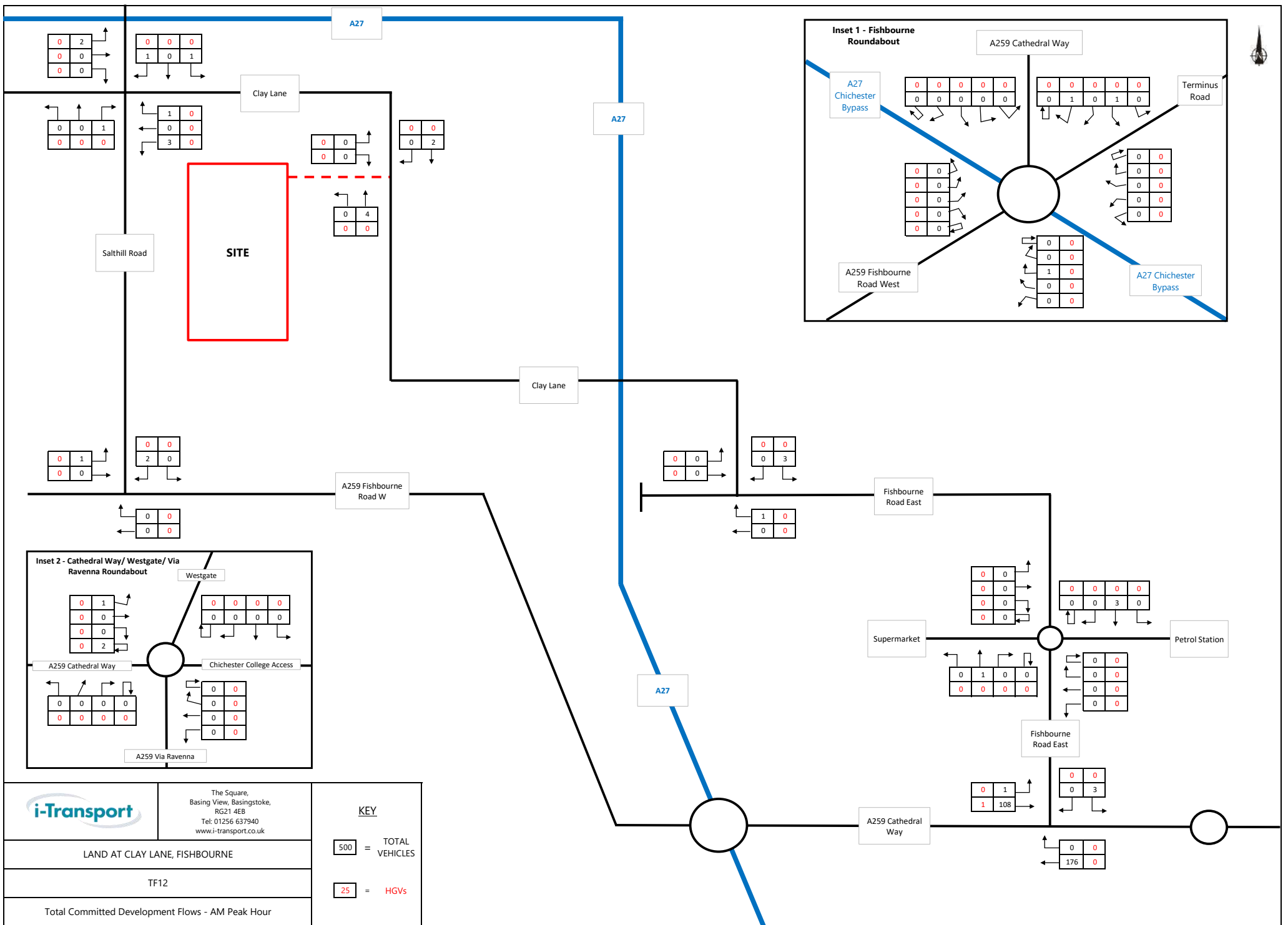
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25 = HGVs

LAND AT CLAY LANE, FISHBOURNE

TF11

Land West of Frederick Road Development Flows - PM Peak Hour



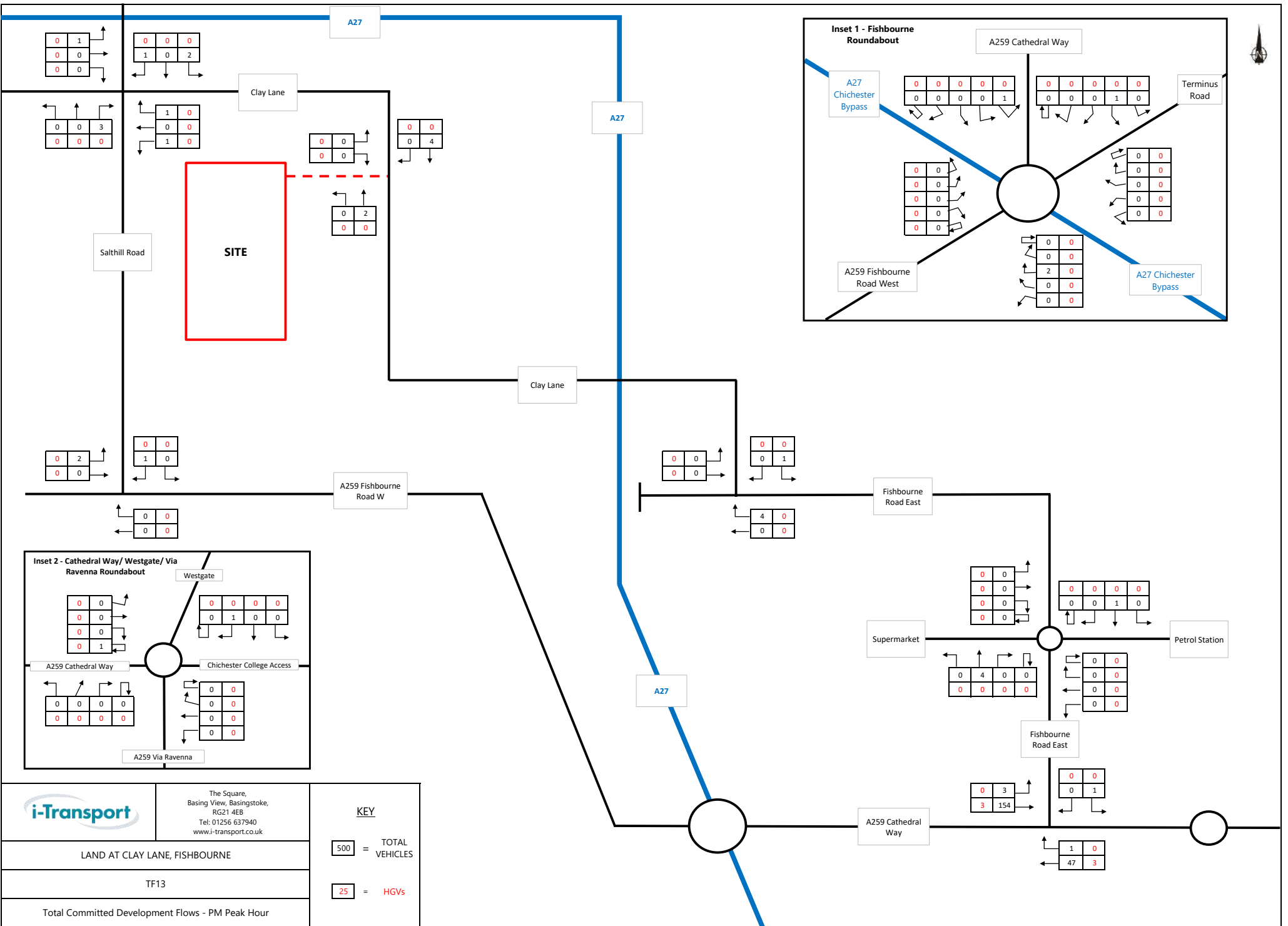
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KEY
500 = TOTAL VEHICLES
25 = HGVs

LAND AT CLAY LANE, FISHBOURNE

TF12

Total Committed Development Flows - AM Peak Hour

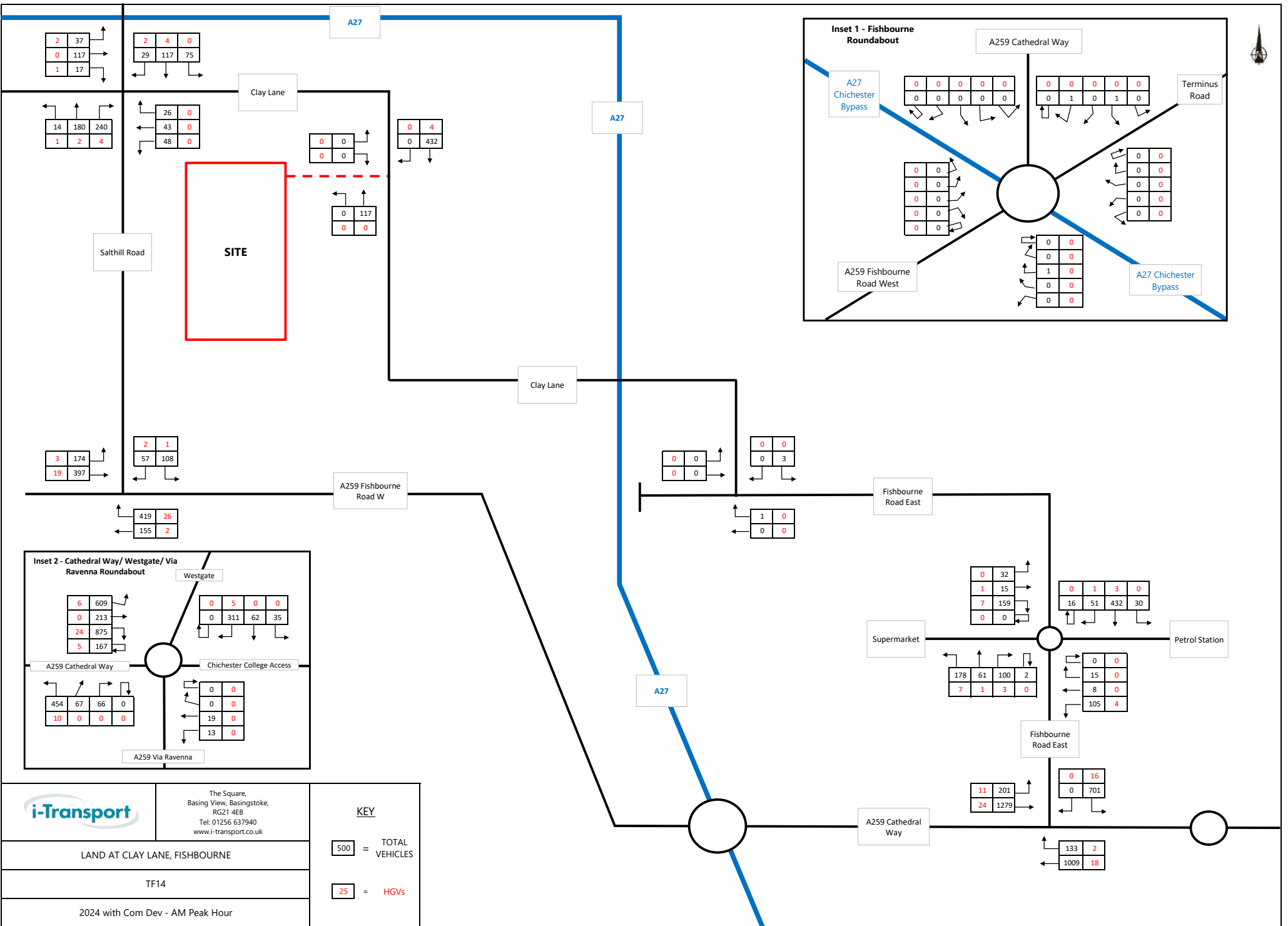


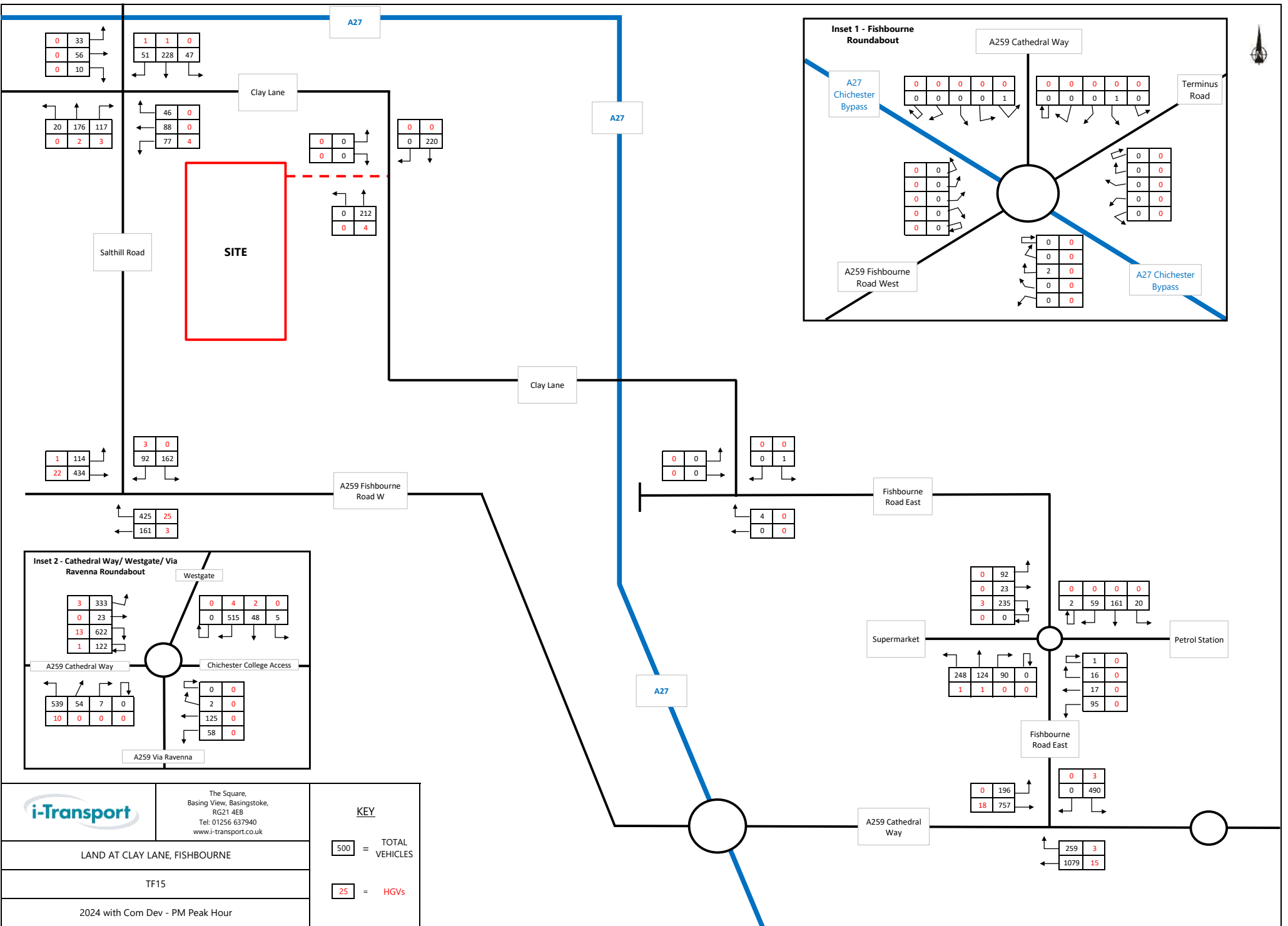
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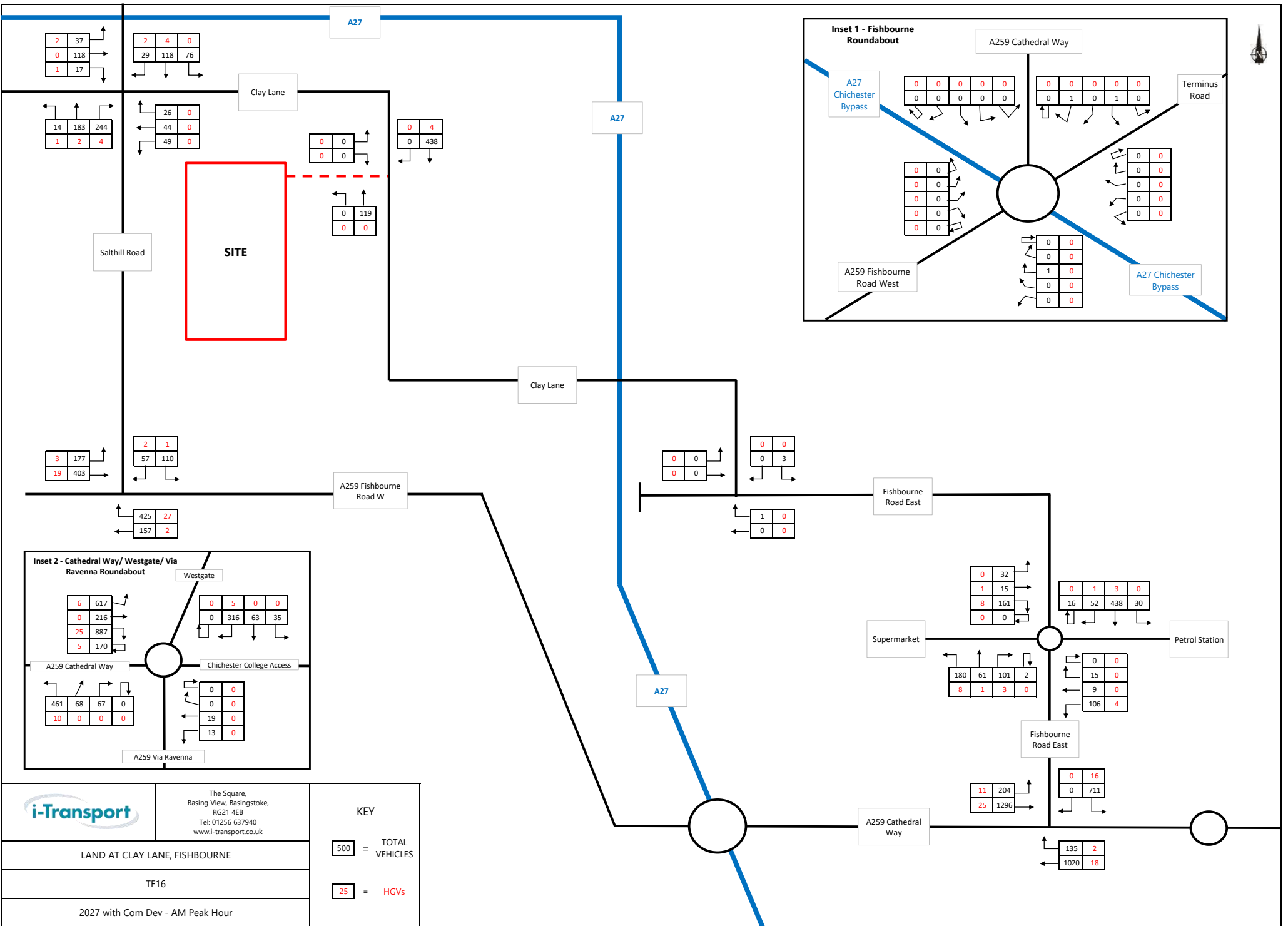
LAND AT CLAY LANE, FISHBOURNE

TF13

Total Committed Development Flows - PM Peak Hour







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KEY

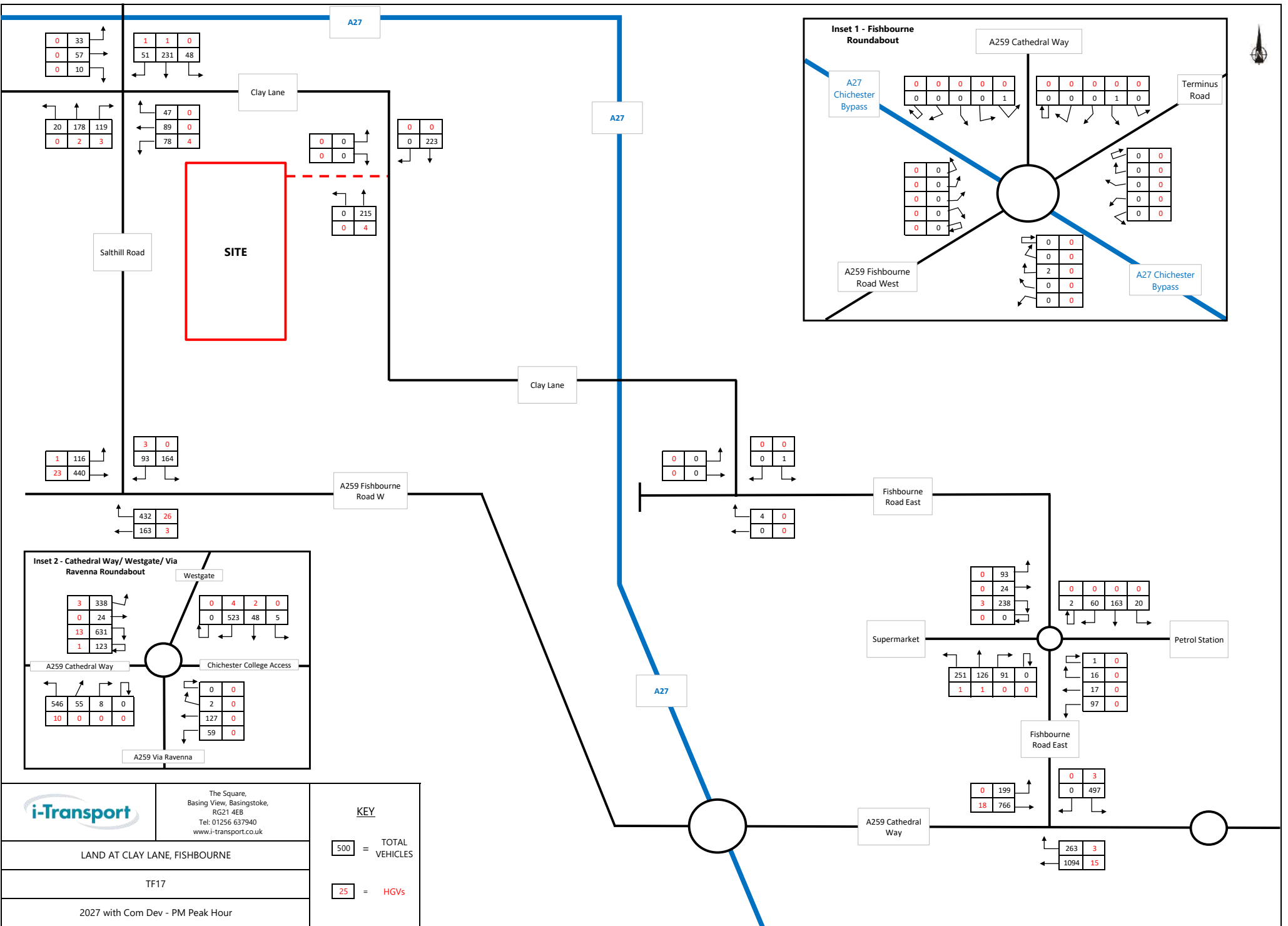
500 = TOTAL VEHICLES

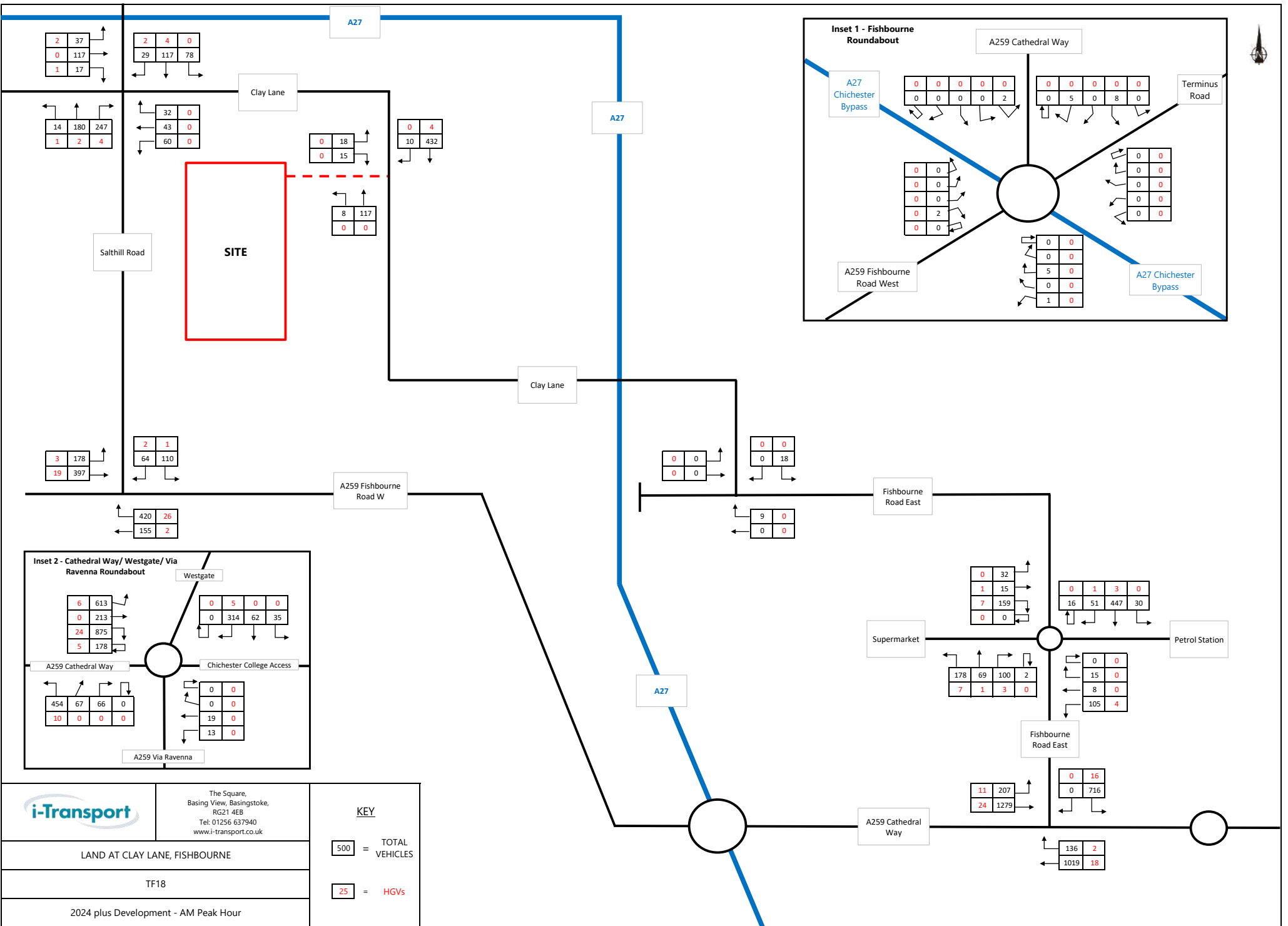
25 = HGVs

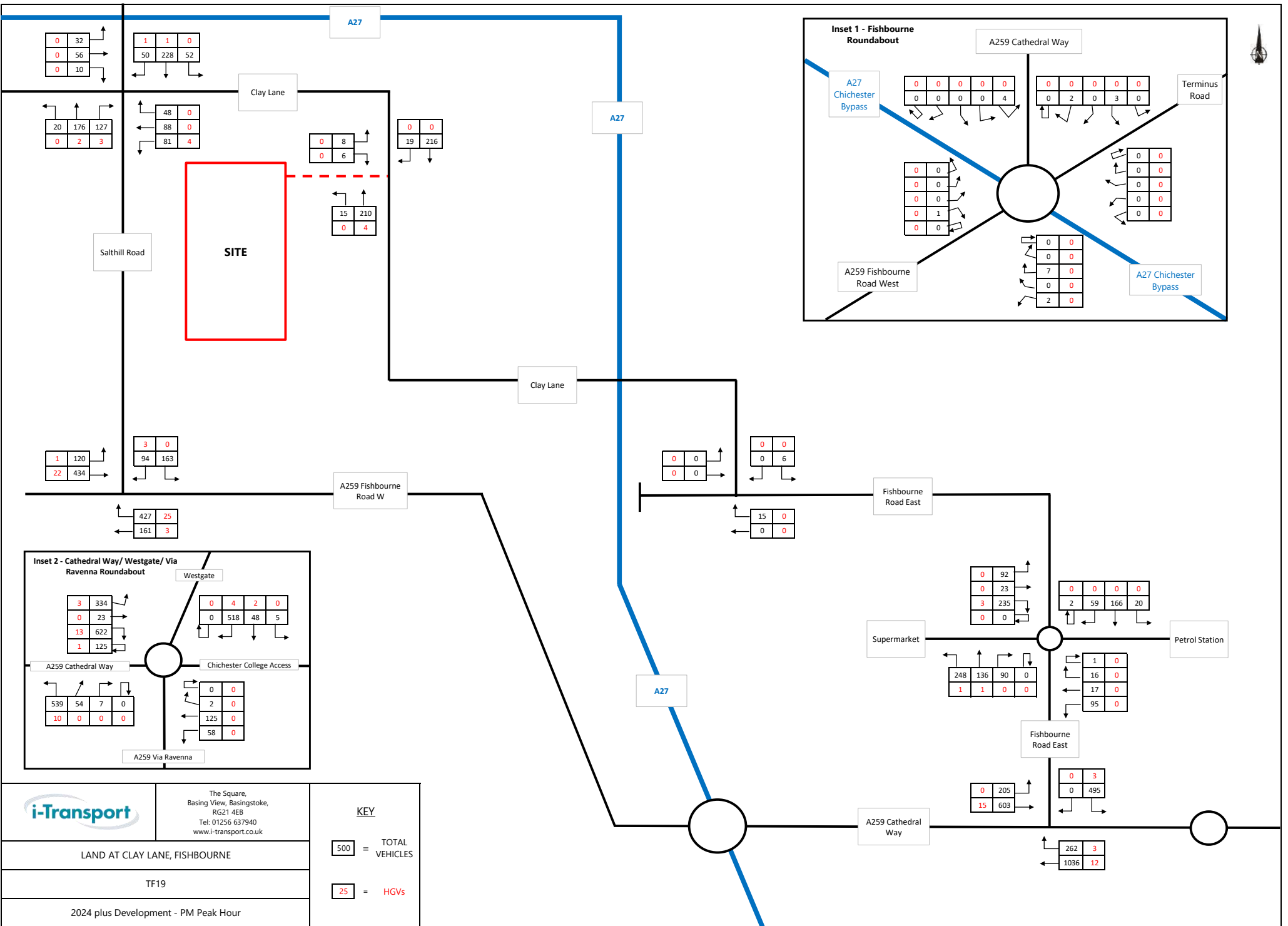
LAND AT CLAY LANE, FISHBOURNE

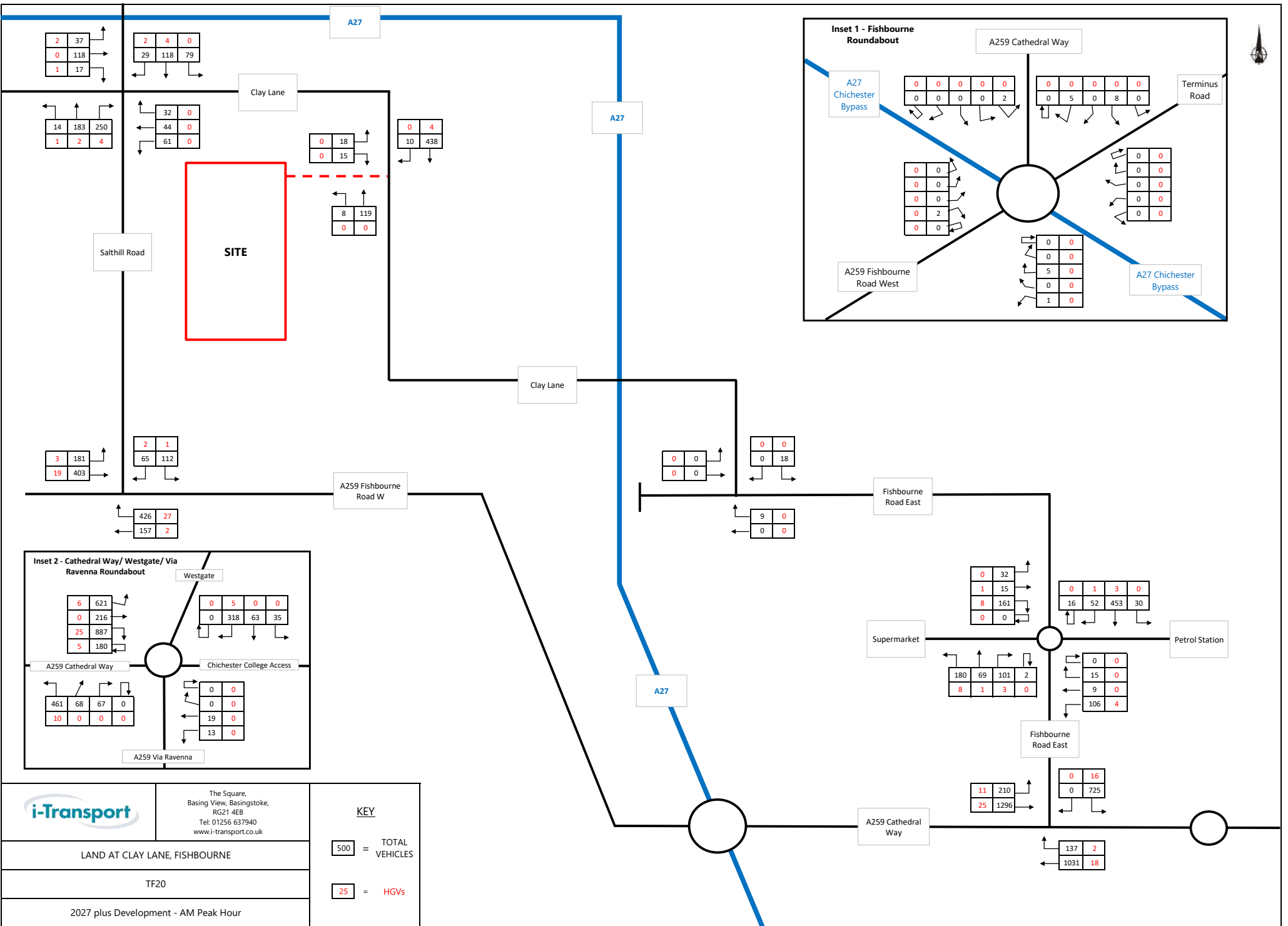
TF16

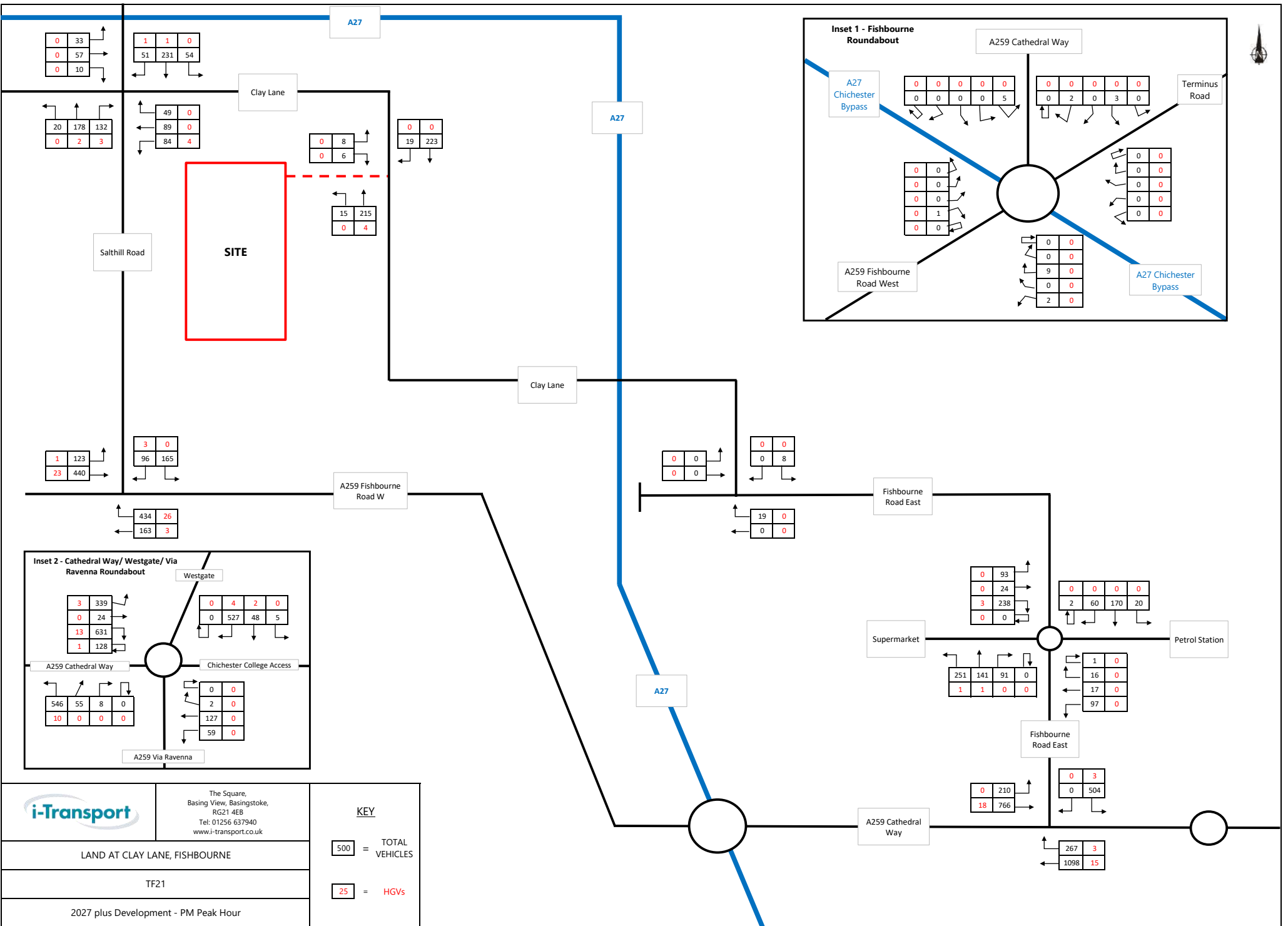
2027 with Com Dev - AM Peak Hour



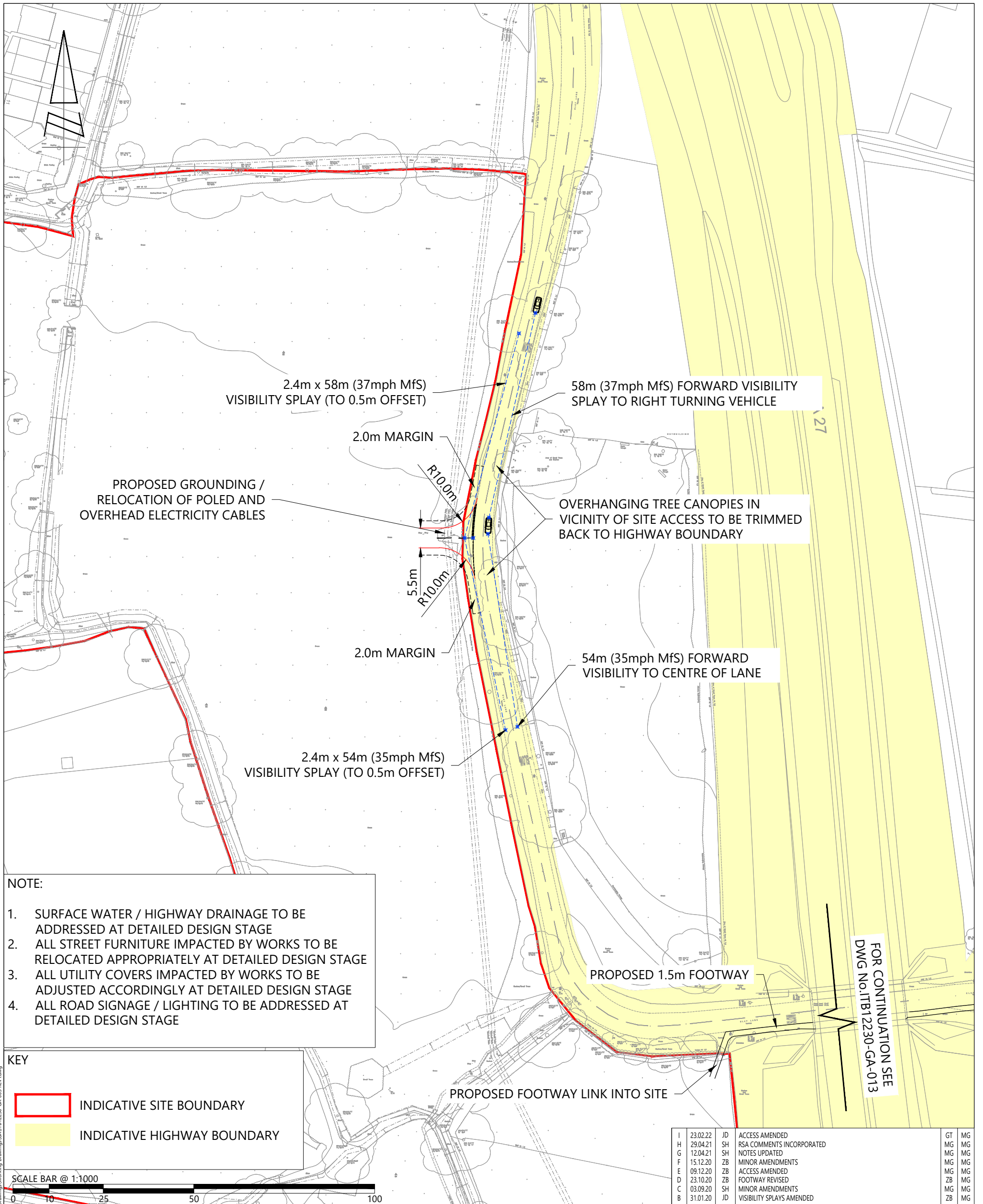








DRAWINGS



- NOTE:**
1. SURFACE WATER / HIGHWAY DRAINAGE TO BE ADDRESSED AT DETAILED DESIGN STAGE
 2. ALL STREET FURNITURE IMPACTED BY WORKS TO BE RELOCATED APPROPRIATELY AT DETAILED DESIGN STAGE
 3. ALL UTILITY COVERS IMPACTED BY WORKS TO BE ADJUSTED ACCORDINGLY AT DETAILED DESIGN STAGE
 4. ALL ROAD SIGNAGE / LIGHTING TO BE ADDRESSED AT DETAILED DESIGN STAGE

KEY

INDICATIVE SITE BOUNDARY

INDICATIVE HIGHWAY BOUNDARY



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CLIENT: GLEESON LAND

I	23.02.22	JD	ACCESS AMENDED	GT	MG
H	29.04.21	SH	RSA COMMENTS INCORPORATED	MG	MG
G	12.04.21	SH	NOTES UPDATED	MG	MG
F	15.12.20	ZB	MINOR AMENDMENTS	MG	MG
E	09.12.20	ZB	ACCESS AMENDED	MG	MG
D	23.10.20	ZB	FOOTWAY REVISED	ZB	MG
C	03.09.20	SH	MINOR AMENDMENTS	MG	MG
B	31.01.20	JD	VISIBILITY SPLAYS AMENDED	ZB	MG

REV	DATE	BY	DESCRIPTION	CHK	APD
STATUS: FOR INFORMATION					

DRAWN:	CHECKED:	APPROVED:
JD	ZB	MG
PROJECT No:	SCALE @ A3:	DATE:
ITB12230	1:1000	03.05.19
DRAWING No:	REV:	
ITB12230-GA-003	I	

Grove House, Lutyens Close, Chineham
Basingstoke, Hampshire, RG24 8AG

Tel: 01256 338640

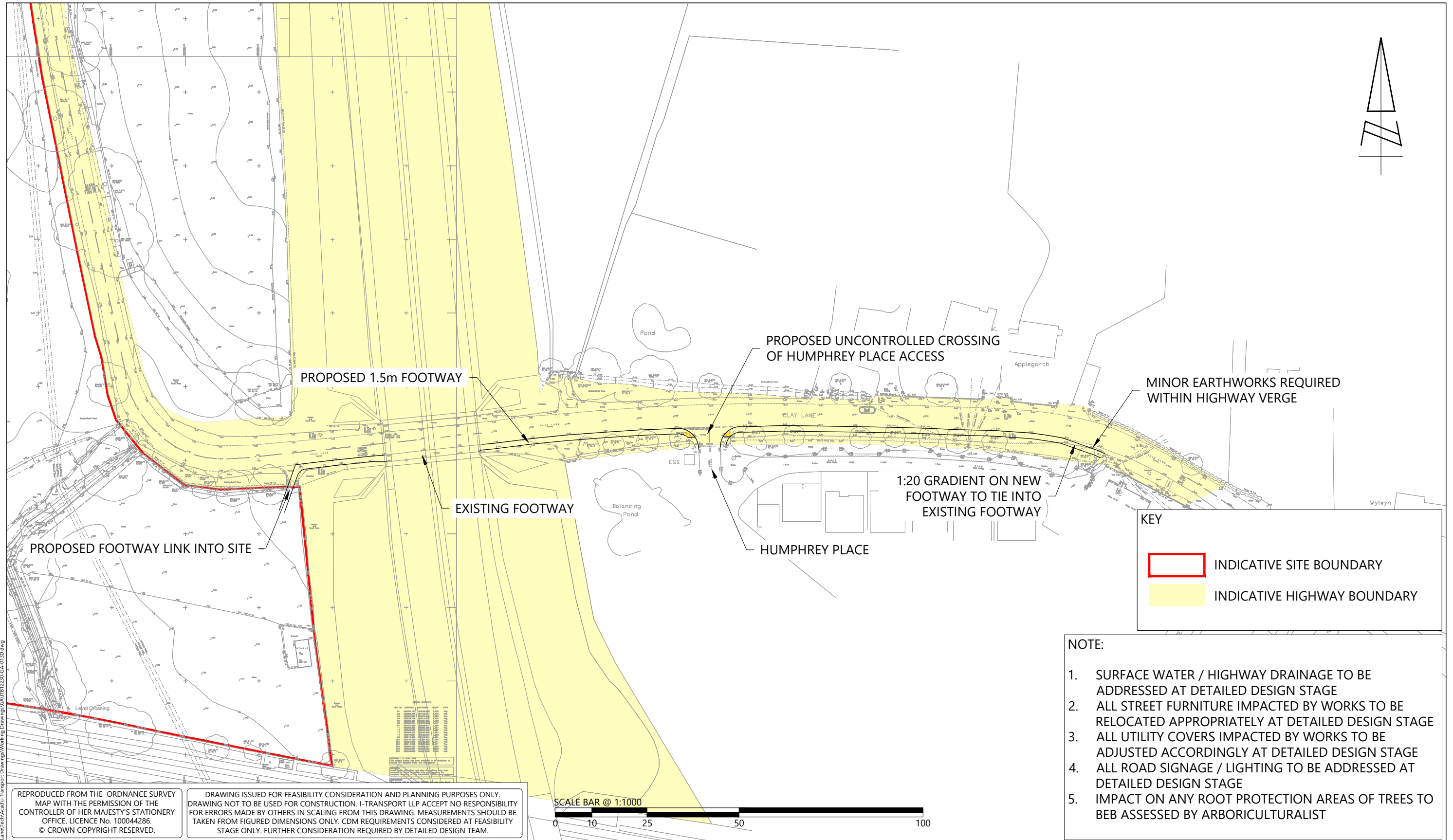
www.i-transport.co.uk

TITLE: PROPOSED SITE ACCESS ARRANGEMENT

PROJECT: LAND AT CLAY LANE, FISHBOURNE

FOR CONTINUATION SEE DWG No.ITB12230-GA-013

TV:Project\12000 Series\Project\Numbers\12230\ITB Land at Clay Lane\Tech\Acad\Transport Drawings\Working Drawings\GA\ITB12230-GA-003 Rev 1.dwg



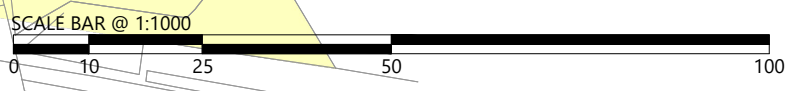
KEY

- INDICATIVE SITE BOUNDARY
- INDICATIVE HIGHWAY BOUNDARY

- NOTE:**
1. SURFACE WATER / HIGHWAY DRAINAGE TO BE ADDRESSED AT DETAILED DESIGN STAGE
 2. ALL STREET FURNITURE IMPACTED BY WORKS TO BE RELOCATED APPROPRIATELY AT DETAILED DESIGN STAGE
 3. ALL UTILITY COVERS IMPACTED BY WORKS TO BE ADJUSTED ACCORDINGLY AT DETAILED DESIGN STAGE
 4. ALL ROAD SIGNAGE / LIGHTING TO BE ADDRESSED AT DETAILED DESIGN STAGE
 5. IMPACT ON ANY ROOT PROTECTION AREAS OF TREES TO BEB ASSESSED BY ARBORICULTURALIST

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Grove House, Lutyens Close, Chineham
Basingstoke, Hampshire, RG24 8AG
Tel: 01256 338640
www.i-transport.co.uk

REV	DATE	BY	DESCRIPTION	CHK	APD	TITLE	PROJECT:	CLIENT:
D	29.04.21	SH	RSA COMMENTS INCORPORATED	MG	MG	PROPOSED FOOTWAY CONNECTION - EASTBOUND ALONG CLAY LANE	LAND AT CLAY LANE, FISHBOURNE	GLEESON LAND
C	12.04.21	SH	NOTES UPDATED	MG	MG			
B	10.12.20	ZB	ALIGNMENT REVISED	ZB	MG			
A	10.11.20	ZB	ALIGNMENT REVISED	ZB	MG			
STATUS:						FOR INFORMATION		

DRAWN:	CHECKED:	APPROVED:
ZB	ZB	MG
PROJECT No:	SCALE @ A3:	DATE:
ITB12230	1:1000	27.10.20
DRAWING No:	REV:	
ITB12230-GA-013	D	

T:\Projects\12000 Series\Project Numbers\12230\18 Land at Clay Lane\Tech\Acad\Transport Drawings\Working Drawings\GA\ITB12230-GA-0130.dwg

APPENDIX A. Illustrative Masterplan



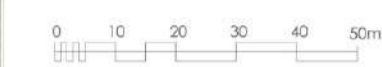
Site
**LAND WEST OF CLAY
 LANE, FISHBOURNE**

Drawing
Illustrative masterplan

Scale
 1:1250@A1

Date
 13.09.22

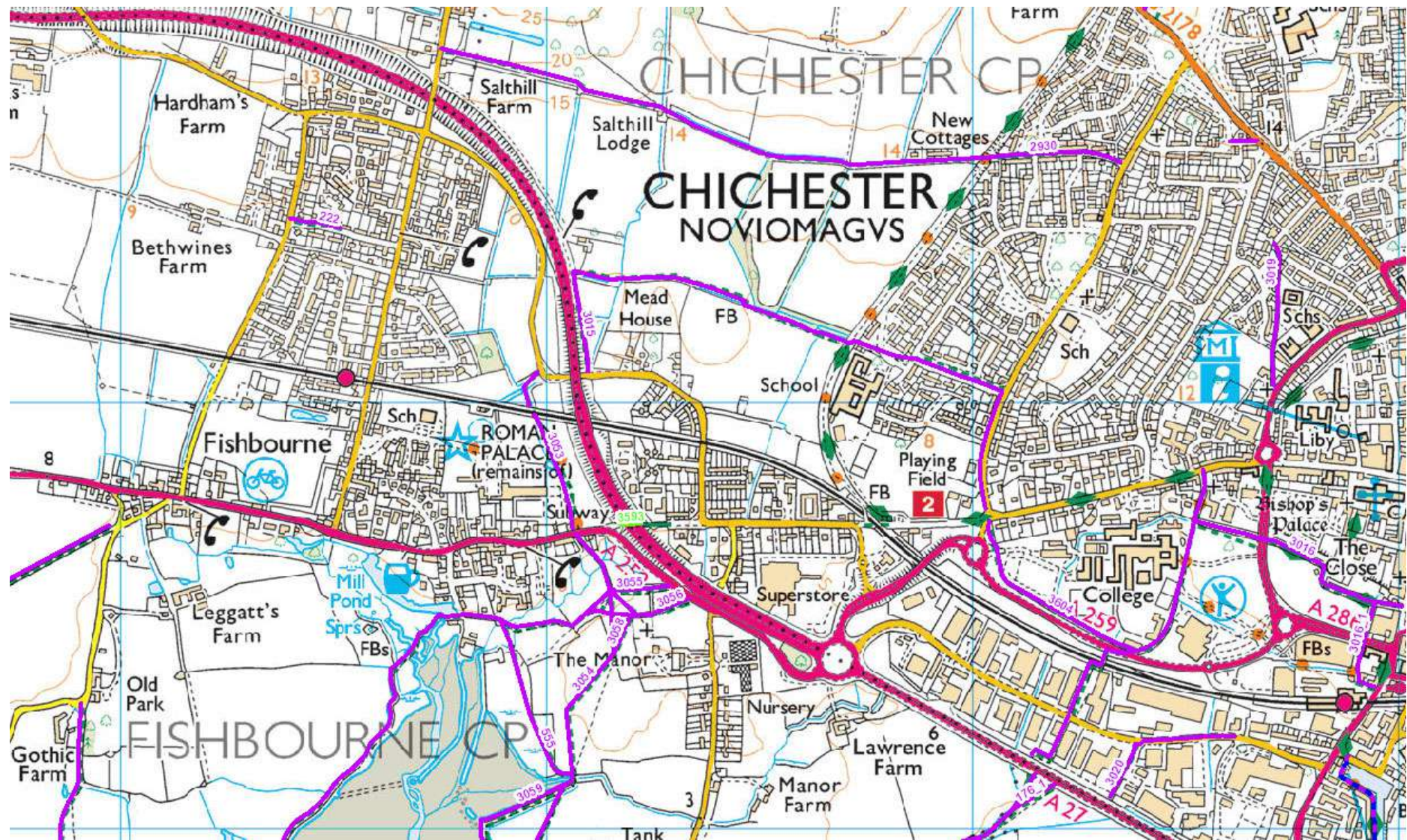
Drawing ref **1270.02**



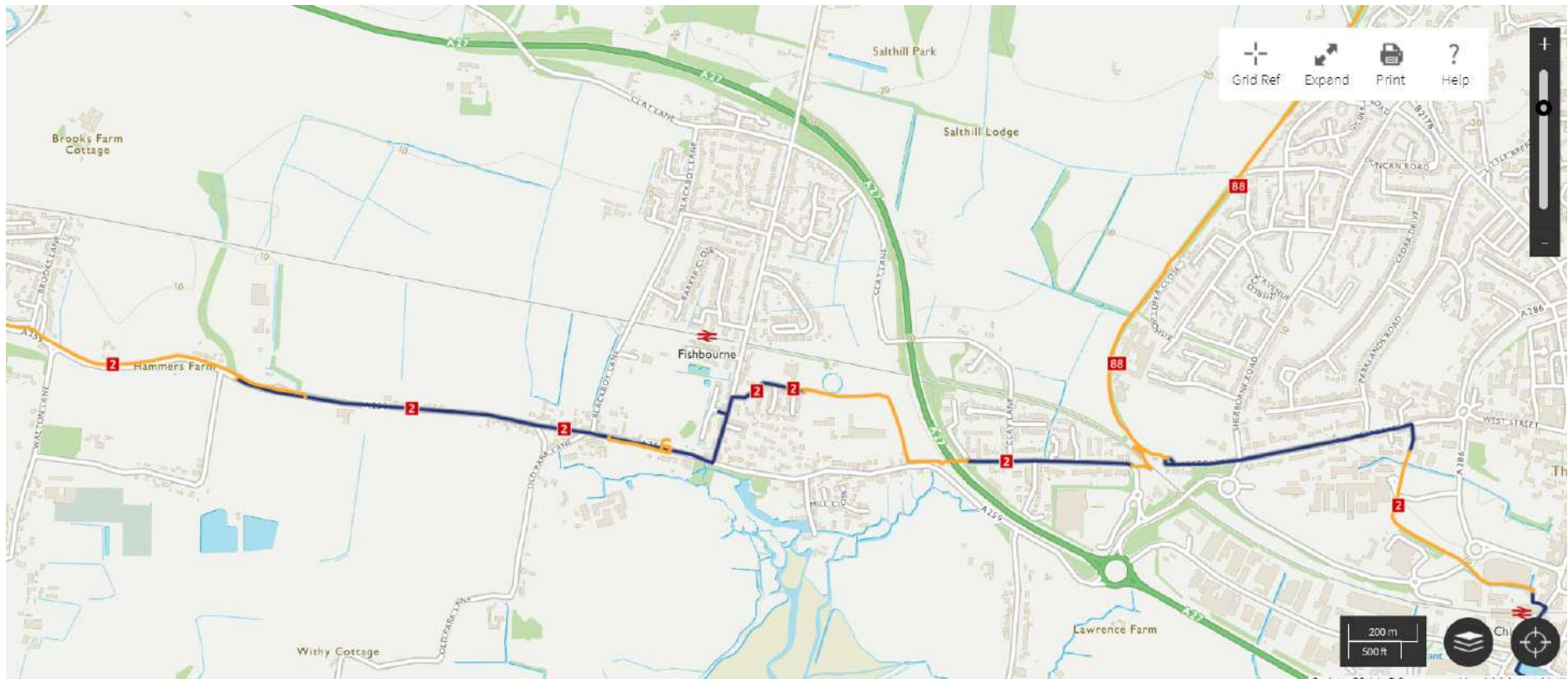
- KEY**
- Site boundary
 - Existing public right of way
 - Indicative location of proposed railway crossing

APPENDIX B. PROW & NCN Route 2

Public Rights Of Way



National Cycle Network Route 2



APPENDIX C. Traffic Survey Data

Friday 10 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Mean, Vpp. Includes summary statistics for 06:22 to 06:50.

06:22 2360 2295 138 1 0 5 0 0 2 0 0 0 9 30.2 30.9 0.0 0.0 29.5 0.0 0.0 26.7 0.0 0.0 0.0 24.8 0 21 1052 879 227 19 3 0 0 0 0 0 30.2 34.3

06:40 2374 2219 138 1 0 5 0 0 2 0 0 0 9 30.3 31.0 26.3 0.0 29.5 0.0 0.0 26.7 0.0 0.0 0.0 24.8 0 21 1108 992 282 23 4 0 0 0 0 0 30.3 34.4

06:50 2383 2226 140 1 0 5 0 0 2 0 0 0 9 30.3 31.1 26.3 0.0 29.5 0.0 0.0 26.7 0.0 0.0 0.0 24.8 0 21 1114 966 282 25 5 0 0 0 0 0 30.3 34.4

Statistics: Vehicles = 2383, Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph, Maximum = 47.8 mph, Minimum = 10.4 mph, Mean = 30.3 mph, 85% Speed = 34.39 mph, 95% Speed = 37.23 mph, Median = 30.20 mph, 10 mph Pace = 25 - 35, Number in Pace = 1926 (80.91%), Variance = 17.54, Standard Deviation = 4.19 mph

Saturday 11 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Vbin, Mean, Vpp. Includes summary statistics for 06:22 to 06:50.

06:22 1487 1387 84 0 4 0 0 0 0 1 0 0 8 30.6 31.4 0.0 0.0 16.3 0.0 0.0 16.1 0.0 0.0 0.0 26.2 0 22 722 614 184 33 6 2 0 0 0 0 30.6 34.8

06:40 1663 1518 72 0 4 0 0 0 0 1 0 0 8 30.6 31.2 0.0 0.0 16.3 0.0 0.0 16.1 0.0 0.0 0.0 26.2 0 22 730 625 188 34 6 2 0 0 0 0 30.6 34.8

06:50 1658 1525 72 0 4 0 0 0 0 1 0 0 8 30.6 31.2 0.0 0.0 16.3 0.0 0.0 16.1 0.0 0.0 0.0 26.2 0 22 732 629 186 34 6 2 0 0 0 0 30.6 34.8

Statistics: Vehicles = 1610, Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph, Maximum = 51.7 mph, Minimum = 13.9 mph, Mean = 30.5 mph, 85% Speed = 34.78 mph, 95% Speed = 37.86 mph, Median = 30.37 mph, 10 mph Pace = 25 - 35, Number in Pace = 1256 (78.63%), Variance = 19.65, Standard Deviation = 4.43 mph

Tuesday 14 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp 85. Rows include times from 0000 to 2345 and summary rows for 07:19, 06:22, 06:00, 06:00.

Vehicles = 2199
Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph
Maximum = 50.9 mph, Minimum = 13.1 mph, Mean = 30.6 mph
85% Speed = 34.84 mph, 95% Speed = 37.41 mph, Median = 30.70 mph
10 mph Pace = 25 - 36, Number in Pace = 1788 (80.40%)
Variance = 17.47, Standard Deviation = 4.18 mph

Wednesday 15 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp 85. Rows include times from 0000 to 2345 and summary rows for 07:19, 06:22, 06:00, 06:00.

Vehicles = 2249
Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph
Maximum = 52.5 mph, Minimum = 7.5 mph, Mean = 30 mph
85% Speed = 34.78 mph, 95% Speed = 37.97 mph, Median = 30.59 mph
10 mph Pace = 26 - 36, Number in Pace = 1788 (79.50%)
Variance = 22.16, Standard Deviation = 4.71 mph

Virtual Week (1)

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp 85. Rows include times from Mon 2167 to Sat 1070 and summary rows for 14005, 14005, 14005.

Vehicles = 14005
Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph
Maximum = 52.5 mph, Minimum = 7.5 mph, Mean = 30 mph
85% Speed = 34.50 mph, 95% Speed = 37.36 mph, Median = 30.37 mph
10 mph Pace = 25 - 35, Number in Pace = 11187 (79.89%)
Variance = 18.62, Standard Deviation = 4.32 mph

Tuesday 14 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include times from 0000 to 2345 and summary rows for 07-19, 08-22, 09-06, and 09-00.

Vehicles = 1699
Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph
Maximum = 49.6 mph, Minimum = 12.8 mph, Mean = 29.4 mph
85% Speed = 32.60 mph, 95% Speed = 35.06 mph, Median = 29.47 mph
10 mph Pace = 24 - 34, Number in Pace = 1487 (87.52%)
Variance = 12.02, Standard Deviation = 3.47 mph

Wednesday 15 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include times from 0000 to 2345 and summary rows for 07-19, 08-22, 09-06, and 09-00.

Vehicles = 1667
Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph
Maximum = 56.4 mph, Minimum = 9.5 mph, Mean = 29.3 mph
85% Speed = 32.83 mph, 95% Speed = 35.51 mph, Median = 29.30 mph
10 mph Pace = 25 - 35, Number in Pace = 1418 (85.06%)
Variance = 15.25, Standard Deviation = 3.90 mph

Virtual Week (1)

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Cls 11	Cls 12	SpCls 1	SpCls 2	SpCls 3	SpCls 4	SpCls 5	SpCls 6	SpCls 7	SpCls 8	SpCls 9	SpCls 10	SpCls 11	SpCls 12	Vbin 0	Vbin 10	Vbin 20	Vbin 30	Vbin 35	Vbin 40	Vbin 45	Vbin 50	Vbin 55	Vbin 60	Vbin 65	Vbin 70	Vbin 75	Vbin 100	Mean	Vpp	
Mon	1743	1633	95	2	1	3	0	0	0	0	0	0	0	9.29.1	29.0	18.4	11.3	26.7	0.0	0.0	0.0	0.0	0.0	0.0	24.9	2	20	1029	620	67	4	0	1	0	0	0	0	0	0	29	32.5	
Tue	1699	1601	86	0	0	3	0	0	0	0	0	1	0	8.29.4	29.6	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	0	14	956	644	76	8	1	0	0	0	0	0	0	0	29.4	32.6	
Wed	1667	1561	97	0	2	0	0	0	0	0	0	0	0	7.29.3	29.8	0.0	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.1	2	25	946	590	95	5	1	2	1	0	0	0	0	0	29.3	32.8	
Thu	1865	1751	103	0	0	1	0	1	0	0	0	0	0	9.28.5	28.7	0.0	0.0	25.7	0.0	30.1	0.0	0.0	0.0	0.0	21.6	0	24	1255	518	58	8	1	1	0	0	0	0	0	0	28.5	31.8	
Fri	1916	1765	116	1	0	4	0	0	2	1	0	0	0	9.28.6	29.1	25.5	0.0	27.0	0.0	0.0	25.7	22.5	0.0	0.0	22.8	0	28	1256	572	57	5	0	0	0	0	0	0	0	0	0	28.6	31.8
Sat	1600	1511	81	0	1	0	0	0	0	0	0	0	0	7.29.0	28.7	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0	15	1011	507	58	6	0	3	0	0	0	0	0	0	0	28.9	32.1
Sun	1077	1041	36	0	0	0	0	0	0	0	0	0	0	0.29.1	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	9	675	340	47	5	1	0	0	0	0	0	0	0	29.1	32.3	
Week Total	11569	10863	614	3	4	11	0	1	2	1	1	1	0	49.29.0	29.1	20.8	13.9	27.6	0.0	36.1	25.7	22.5	30.6	0.0	23.6	4	138	7128	3791	458	41	4	7	1	0	0	0	0	29	32.3		

Vehicles = 11569
 Posted speed limit = 60 mph, Exceeding = 0 (0.000%), Mean Exceeding = 0.00 mph
 Maximum = 56.4 mph, Minimum = 9.5 mph, Mean = 29.0 mph
 85% Speed = 32.27 mph, 95% Speed = 34.73 mph, Median = 28.97 mph
 10 mph Pace = 24 - 34, Number in Pace = 9989 (86.34%)
 Variance = 13.44, Standard Deviation = 3.67 mph

Tuesday 21 May 2019

Table with columns: Time, Total, C1s-12, SpC1s-12, Vbin 0-70, Mean, Vpp. Rows include vehicle IDs from 0000 to 06-00 and summary statistics.

Maximum = 61.0 mph, Minimum = 11.2 mph, Mean = 35.7 mph
85% Speed = 40.82 mph, 95% Speed = 44.40 mph, Median = 35.51 mph
10 mph Pace = 31 - 41, Number in Pace = 1469 (70.80%)
Variance = 26.57, Standard Deviation = 5.10 mph

Wednesday 22 May 2019

Table with columns: Time, Total, C1s-12, SpC1s-12, Vbin 0-70, Mean, Vpp. Rows include vehicle IDs from 0000 to 06-00 and summary statistics.

Maximum = 63.3 mph, Minimum = 7.7 mph, Mean = 35.3 mph
85% Speed = 40.26 mph, 95% Speed = 44.18 mph, Median = 35.29 mph
10 mph Pace = 30 - 40, Number in Pace = 1465 (71.36%)
Variance = 30.35, Standard Deviation = 5.51 mph

15 mins Vehicle Classification-Speed Data_ITRANSPORT

Globals
 Report ID CustomList-003
 Descriptor 15 mins Vehicle Classification-Speed Data_ITRANSPORT
 Created by MetroCount Traffic Executive
 Creation Time UTC 2019-05-29T15:26:52
 Legal Copyright (c)1997 - 2016 MetroCount
 Graphic header.bmp
 Language English
 Country United Kingdom
 Time UTC + 60 min
 Create Version 5.0.2.0
 Metric Non metric
 Speed Unit mph
 Length Unit ft
 Mass Unit ton

Dataset
 Site Name 7040_2
 Site Attribute Fishbourne
 File Name Z:\Projects\7040 - Fishbourne, West Sussex ATCs (HO - 06.05)\Raw data\7040_2_0 2019-05-29 1601.ECO
 File Type Plus
 Algorithm Factory default axle
 Description Clay in 60mph
 Lane 0
 Direction 7
 Direction Text 7 - North bound A/B, South bound B/A
 Layout Text Axle sensors - Paired (Class/Speed/Count)
 Setup Time 2019-05-17T22:01:14
 Start Time 2019-05-17T22:01:14
 Finish Time 2019-05-29T16:01:14
 Operator pw
 Configuration 40 MCS600 00 00 00 00 7 JN84NGZR MCS6-L5 [MCS5] (c:\Microcom 190cd04)

Profile
 Name 50_60
 Title MetroCount Traffic Executive
 Graphic Logo
 Header
 Footer
 Percentile 1 65
 Percentile 2 95
 Pace 10
 Filter Start 2019-05-18T00:00:00
 Filter End 2019-05-23T00:00:00
 Class Scheme Euro13
 F Cls(1-12) Dir(BA) Sp(6,99) Headway(0) Span(0 - 328.084) Lane(0-16)
 Low Speed
 High Speed 99
 Posted Limit 60
 Speed Limits 60 60 60 60 60 60 60 60 60
 Separation 0.000
 Separation Type Headway
 Direction Southbound
 Encoded Direction 15

Column
 24-hour time (0000 - 2359)
 Total Number in time step
 Cls 1 Class totals
 Cls 2 Class totals
 Cls 3 Class totals
 Cls 4 Class totals
 Cls 5 Class totals
 Cls 6 Class totals
 Cls 7 Class totals
 Cls 8 Class totals
 Cls 9 Class totals
 Cls 10 Class totals
 Cls 11 Class totals
 Cls 12 Class totals
 SpCls 1 Speed averages by class
 SpCls 2 Speed averages by class
 SpCls 3 Speed averages by class
 SpCls 4 Speed averages by class
 SpCls 5 Speed averages by class
 SpCls 6 Speed averages by class
 SpCls 7 Speed averages by class
 SpCls 8 Speed averages by class
 SpCls 9 Speed averages by class
 SpCls 10 Speed averages by class
 SpCls 11 Speed averages by class
 SpCls 12 Speed averages by class
 Vbin 0 Speed bin totals
 Vbin 10 Speed bin totals
 Vbin 20 30 Speed bin totals
 Vbin 30 35 Speed bin totals
 Vbin 35 40 Speed bin totals
 Vbin 40 45 Speed bin totals
 Vbin 45 50 Speed bin totals
 Vbin 50 55 Speed bin totals
 Vbin 55 60 Speed bin totals
 Vbin 60 65 Speed bin totals
 Vbin 65 70 Speed bin totals
 Vbin 70 100 Speed bin totals
 Mean Average speed
 Ypp 85 Percentile speed

Saturday 18 May 2019

Time	Total	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Cls 11	Cls 12	SpCls 1	SpCls 2	SpCls 3	SpCls 4	SpCls 5	SpCls 6	SpCls 7	SpCls 8	SpCls 9	SpCls 10	SpCls 11	SpCls 12	Vbin 0	Vbin 10	Vbin 20	Vbin 30	Vbin 35	Vbin 40	Vbin 45	Vbin 50	Vbin 55	Vbin 60	Vbin 65	Vbin 70	Vbin 100	Mean	Ypp 85							
0000	1	1	0	0	0	0	0	0	0	0	0	0	0	0.388	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.8					
0015	1	1	0	0	0	0	0	0	0	0	0	0	0	0.350	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35					
0030	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0045	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0100	1	1	0	0	0	0	0	0	0	0	0	0	0	0.366	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.6				
0115	1	1	0	0	0	0	0	0	0	0	0	0	0	0.281	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.1			
0130	2	2	0	0	0	0	0	0	0	0	0	0	0	0.292	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.2			
0145	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0200	1	1	0	0	0	0	0	0	0	0	0	0	0	0.367	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.7			
0215	1	1	0	0	0	0	0	0	0	0	0	0	0	0.251	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.1			
0230	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0245	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0315	1	0	1	0	0	0	0	0	0	0	0	0	0	0.0	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	32.4			
0330	1	1	0	0	0	0	0	0	0	0	0	0	0	0.318	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.8			
0345	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0415	1	1	0	0	0	0	0	0	0	0	0	0	0	0.303	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.3			
0430	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0445	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0515	1	0	1	0	0	0	0	0	0	0	0	0	0	0.0	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	33.7			
0530	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0545	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0600	3	3	0	0	0	0	0	0	0	0	0	0	0	0.326	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.6		
0615	2	1	1	0	0	0	0	0	0	0	0	0	0	0.299	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.1		
0630	2	1	1	0	0	0	0	0	0	0	0	0	0	0.348	40.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37.7	
0645	4	4	0	0	0	0	0	0	0	0	0	0	0	0.331	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	33.1		
0700	1	1	0	0	0	0	0	0	0	0	0	0	0	0.347	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.7		
0715	5	5	0	0	0	0	0	0	0	0	0	0	0	0.362	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.2		
0730	6	6	0	0	0	0	0	0	0	0	0	0	0	0.338	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	33.8		
0745	4	4	0	0	0	0	0	0	0	0	0	0	0	0.356	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.6		
0800	3	3	3	0	0	0	0	0	0	0	0	0	0	0.360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36		
0815	12	12	0	0	0	0	0	0	0	0	0	0	0	0.329	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	1	8	3																

Tuesday 21 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include vehicle IDs from 0000 to 2345 and summary statistics.

Maximum = 57.2 mph, Minimum = 10.9 mph, Mean = 32.4 mph
85% Speed = 37.19 mph, 95% Speed = 40.45 mph, Median = 32.16 mph
10 mph Pace = 27.37, Number in Pace = 1417 (73.31%)
Variance = 24.45, Standard Deviation = 4.95 mph

Wednesday 22 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include vehicle IDs from 0000 to 2345 and summary statistics.

Maximum = 59.3 mph, Minimum = 9.3 mph, Mean = 31.9 mph
85% Speed = 36.57 mph, 95% Speed = 40.04 mph, Median = 31.82 mph
10 mph Pace = 27.37, Number in Pace = 1387 (74.09%)
Variance = 25.99, Standard Deviation = 5.10 mph

Thursday 23 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include vehicle IDs from 0000 to 06-00.

Posted speed limit = 60 mph. Exceeding = 2 (0.103%). Mean Exceeding = 63.87 mph. Maximum = 67.1 mph, Minimum = 8.4 mph, Mean = 32.3 mph. 85% Speed = 36.85 mph, 95% Speed = 40.33 mph, Median = 32.27 mph. 10 mph Pace = 27.37, Number in Pace = 1445 (74.18%). Variance = 24.64, Standard Deviation = 4.96 mph.

Friday 24 May 2019

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include vehicle IDs from 0000 to 06-00.

Posted speed limit = 60 mph. Exceeding = 0 (0.000%). Mean Exceeding = 0.00 mph. Maximum = 55.7 mph, Minimum = 11.0 mph, Mean = 31.9 mph. 85% Speed = 36.29 mph, 95% Speed = 39.69 mph, Median = 31.76 mph. 10 mph Pace = 27.37, Number in Pace = 1502 (77.09%). Variance = 22.02, Standard Deviation = 4.69 mph.

Virtual Week (1)

Table with columns: Time, Total, C1s, C2s, C3s, C4s, C5s, C6s, C7s, C8s, C9s, C10s, C11s, C12s, SpC1s, SpC2s, SpC3s, SpC4s, SpC5s, SpC6s, SpC7s, SpC8s, SpC9s, SpC10s, SpC11s, SpC12s, Vbin 0-10, Vbin 10-20, Vbin 20-30, Vbin 30-35, Vbin 35-40, Vbin 40-45, Vbin 45-50, Vbin 50-55, Vbin 55-60, Vbin 60-65, Vbin 65-70, Vbin 70-100, Mean, Vpp. Rows include Mon, Tue, Wed, Thu, Fri, Sat, Sun.

Posted speed limit = 60 mph. Exceeding = 5 (0.040%). Mean Exceeding = 69.69 mph. Maximum = 88.5 mph, Minimum = 8.4 mph, Mean = 32.1 mph. 85% Speed = 36.69 mph, 95% Speed = 40.10 mph, Median = 31.99 mph. 10 mph Pace = 27.37, Number in Pace = 1937 (74.57%). Variance = 24.43, Standard Deviation = 4.94 mph.



Fishbourne: Queue Length Survey - Tuesday, 02 July 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Fishbourne Road East / B - Tesco Petrol Station Access Road / C - (South) Fishbourne Road East / D - Yvette Gonzalez-Nacer Road

CLASSIFICATION	PCU
CAR	1.0
LGV	1.0
OGV1	2.3
OGV2	2.3
BUS	2.0
M/CYCLE	0.4
P/CYCLE	0.2



Fishbourne - Manual Traffic Survey: Tuesday, 02 July 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Fishbourne Road East / B - Tesco Petrol Station Access Road / C - (South) Fishbourne Road East / D - Yvette Gonzalez-Nacer Road

Approach: A - (North) Fishbourne Road East

TIME	A to B									A to C								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	5	2	0	0	0	0	0	7.0	7	14	6	1	0	0	1	0	22.7	22
07:15 - 07:30	2	0	0	0	0	0	1	2.2	3	25	1	1	0	0	0	1	28.5	28
07:30 - 07:45	7	1	1	0	0	0	0	10.3	9	56	4	0	0	0	0	2	60.4	62
07:45 - 08:00	9	0	0	0	0	0	0	9.0	9	115	7	0	0	0	1	1	122.6	124
Hourly Total	23	3	1	0	0	0	1	28	28	210	18	2	0	0	2	4	235	236
08:00 - 08:15	5	0	0	0	0	0	0	5.0	5	79	1	1	0	1	0	1	84.5	83
08:15 - 08:30	4	3	0	0	0	0	0	7.0	7	94	5	1	0	0	0	2	101.7	102
08:30 - 08:45	7	0	0	0	0	0	1	7.2	8	97	4	0	0	0	1	3	102.0	105
08:45 - 09:00	6	0	0	0	0	0	0	6.0	6	79	3	0	0	0	1	0	82.4	83
Hourly Total	22	3	0	0	0	0	1	25	26	349	13	2	0	1	2	6	371	373
09:00 - 09:15	3	0	0	0	0	0	0	3.0	3	42	2	0	0	0	0	1	44.2	45
09:15 - 09:30	3	1	0	0	0	0	0	4.0	4	43	1	1	0	0	0	0	46.3	45
09:30 - 09:45	5	0	1	0	0	0	0	7.3	6	33	1	1	0	0	0	0	36.3	35
09:45 - 10:00	3	1	0	0	0	0	0	4.0	4	20	2	0	0	1	0	0	24.0	23
Hourly Total	14	2	1	0	0	0	0	18	17	138	6	2	0	1	0	1	151	148
Session Total	59	8	2	0	0	0	2	71	71	697	37	6	0	2	4	11	757	757
16:00 - 16:15	4	1	0	0	0	0	0	5.0	5	35	3	0	0	0	0	0	38.0	38
16:15 - 16:30	5	0	0	0	0	0	0	5.0	5	36	2	0	0	0	1	0	38.4	39
16:30 - 16:45	5	1	0	0	0	0	0	6.0	6	35	1	0	0	0	0	0	36.0	36
16:45 - 17:00	2	1	0	0	0	0	0	3.0	3	38	1	0	0	0	0	0	39.0	39
Hourly Total	16	3	0	0	0	0	0	19	19	144	7	0	0	0	1	0	151	152
17:00 - 17:15	1	1	0	0	0	0	0	2.0	2	27	3	0	0	1	0	0	32.0	31
17:15 - 17:30	3	0	0	0	0	0	0	3.0	3	30	1	0	0	0	0	2	31.4	33
17:30 - 17:45	4	0	0	0	0	0	0	4.0	4	29	1	0	0	0	0	0	30.0	30
17:45 - 18:00	3	0	0	0	0	0	0	3.0	3	36	1	0	0	0	0	0	37.0	37
Hourly Total	11	1	0	0	0	0	0	12	12	122	6	0	0	1	0	2	130	131
18:00 - 18:15	4	0	0	0	0	0	0	4.0	4	17	3	0	0	0	1	0	20.4	21
18:15 - 18:30	5	0	0	0	0	0	0	5.0	5	21	2	0	0	1	1	0	25.4	25
18:30 - 18:45	2	2	0	0	0	0	0	4.0	4	16	2	0	0	0	0	2	18.4	20
18:45 - 19:00	1	0	0	0	0	0	0	1.0	1	17	1	0	0	0	0	1	18.2	19
Hourly Total	12	2	0	0	0	0	0	14	14	71	8	0	0	1	2	3	83	85
Session Total	39	6	0	0	0	0	0	45	45	337	21	0	0	2	3	5	364	368

A to D									A to A								
CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
5	1	0	0	0	0	1	6.2	7	0	0	1	0	0	0	0	2.3	1
5	1	0	0	0	0	0	6.0	6	1	0	0	0	0	0	0	1.0	1
16	0	0	0	0	0	0	16.0	16	3	1	0	0	0	0	0	4.0	4
11	1	0	0	0	0	0	12.0	12	12	0	0	0	0	0	0	12.0	12
37	3	0	0	0	0	1	40	41	16	1	1	0	0	0	0	19	18
9	1	0	0	0	0	0	10.0	10	3	0	0	0	0	0	0	3.0	3
14	0	0	0	0	0	0	14.0	14	0	0	0	0	0	0	0	0.0	0
9	2	0	1	0	0	0	13.3	12	0	0	0	0	0	0	0	0.0	0
19	0	0	0	0	0	0	19.0	19	0	0	0	0	0	0	0	0.0	0
51	3	0	1	0	0	0	56	55	3	0	0	0	0	0	0	3	3
22	1	0	0	0	0	0	23.0	23	0	0	0	0	0	0	0	0.0	0
24	3	0	0	0	0	0	27.0	27	0	0	0	0	0	0	0	0.0	0
13	0	0	0	0	0	0	13.0	13	0	0	0	0	0	0	0	0.0	0
10	1	0	0	0	0	0	11.0	11	0	0	0	0	0	0	0	0.0	0
69	5	0	0	0	0	0	74	74	0	0	0	0	0	0	0	0	0
157	11	0	1	0	0	1	170	170	19	1	1	0	0	0	0	22	21
13	0	0	0	0	0	0	13.0	13	1	0	0	0	0	0	0	1.0	1
16	2	0	0	0	0	0	18.0	18	0	0	0	0	0	0	0	0.0	0
16	0	0	0	0	0	0	16.0	16	1	0	0	0	0	0	0	1.0	1
7	2	0	0	0	0	0	9.0	9	0	0	0	0	0	0	0	0.0	0
52	4	0	0	0	0	0	56	56	2	0	0	0	0	0	0	2	2
9	2	0	0	0	0	0	11.0	11	0	0	0	0	0	0	0	0.0	0
19	3	0	0	0	0	0	22.0	22	0	0	0	0	0	0	0	0.0	0
11	1	0	0	0	1	0	12.4	13	0	0	0	0	0	0	0	0.0	0
18	2	0	0	0	0	0	20.0	20	0	0	0	0	0	0	0	0.0	0
57	8	0	0	0	1	0	65	66	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	12.0	12	0	0	0	0	0	0	0	0.0	0
6	0	0	0	0	0	0	6.0	6	0	0	0	0	0	0	0	0.0	0
12	0	0	0	0	0	0	12.0	12	0	0	0	0	0	0	0	0.0	0
4	0	0	0	0	0	0	4.0	4	0	0	0	0	0	0	0	0.0	0
34	0	0	0	0	0	0	34	34	0	0	0	0	0	0	0	0	0
143	12	0	0	0	1	0	155	156	2	0	0	0	0	0	0	2	2

TIME	From A									To A								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	24	9	2	0	0	1	1	38.2	37	12	4	1	0	0	0	0	18.3	17
07:15 - 07:30	33	2	1	0	0	0	2	37.7	38	14	1	1	0	0	0	0	17.3	16
07:30 - 07:45	82	6	1	0	0	0	2	90.7	91	26	6	0	0	1	0	0	34.0	33
07:45 - 08:00	147	8	0	0	0	1	1	155.6	157	43	4	0	0	0	0	0	47.0	47
Hourly Total	286	25	4	0	0	2	6	322	323	95	15	2	0	1	0	0	117	113
08:00 - 08:15	96	2	1	0	1	0	1	102.5	101	24	2	1	0	0	0	1	28.5	28
08:15 - 08:30	112	8	1	0	0	0	2	122.7	123	17	8	0	0	0	0	0	25.0	25
08:30 - 08:45	113	6	0	1	0	1	4	122.5	125	16	0	0	0	0	0	1	16.2	17
08:45 - 09:00	104	3	0	0	0	1	0	107.4	108	22	3	1	0	1	1	0	29.7	28
Hourly Total	425	19	2	1	1	2	7	455	457	79	13	2	0	1	1	2	99	98
09:00 - 09:15	67	3	0	0	0	0	1	70.2	71	31	1	4	0	0	0	0	41.2	36
09:15 - 09:30	70	5	1	0	0	0	0	77.3	76	20	2	2	0	0	0	0	26.6	24
09:30 - 09:45	51	1	2	0	0	0	0	56.6	54	28	0	0	0	0	0	1	28.2	29
09:45 - 10:00	33	4	0	0	1	0	0	39.0	38	38	0	0	0	0	0	0	38.0	38
Hourly Total	221	13	3	0	1	0	1	243	239	117	3	6	0	0	0	1	134	127
Session Total	932	57	9	1	2	4	14	1020	1019	291	31	10	0	2	1	3	350	338
16:00 - 16:15	53	4	0	0	0	0	0	57.0	57	52	2	0	0	0	0	2	54.4	56
16:15 - 16:30	57	4	0	0	0	1	0	61.4	62	47	1	0	0	1	0	1	50.2	50
16:30 - 16:45	57	2	0	0	0	0	0	59.0	59	57	3	0	0	0	1	0	60.4	61
16:45 - 17:00	47	4	0	0	0	0	0	51.0	51	51	4	0	0	0	0	0	55.0	55
Hourly Total	214	14	0	0	0	1	0	228	229	207	10	0	0	1	1	3	220	222
17:00 - 17:15	37	6	0	0	1	0	0	45.0	44	39	4	0	0	0	0	1	43.2	44
17:15 - 17:30	52	4	0	0	0	0	2	56.4	58	54	5	0	0	0	1	2	59.8	62
17:30 - 17:45	44	2	0	0	0	1	0	46.4	47	60	4	0	0	0	2	1	65.0	67
17:45 - 18:00	57	3	0	0	0	0	0	60.0	60	60	4	0	0	1	0	2	66.4	67
Hourly Total	190	15	0	0	1	1	2	207	209	213	17	0	0	1	3	6	234	240
18:00 - 18:15	33	3	0	0	0	1	0	36.4	37	65	1	0	0	0	3	0	67.2	69
18:15 - 18:30	32	2	0	0	1	1	0	36.4	36	52	2	0	0	0	4	0	55.6	58
18:30 - 18:45	30	4	0	0	0	0	2	34.4	36	37	2	1	0	0	0	0	41.3	40
18:45 - 19:00	22	1	0	0	0	0	1	23.2	24	44	1	0	0	0	0	1	45.2	46
Hourly Total	117	10	0	0	1	2	3	131	133	198	6	1	0	0	7	1	209	213
Session Total	521	39	0	0	2	4	5	566	571	618	33	1	0	2	11	10	663	675



Fishbourne - Manual Traffic Survey: Tuesday, 02 July 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Fishbourne Road East / B - Tesco Petrol Station Access Road / C - (South) Fishbourne Road East / D - Yvette Gonzalez-Nacer Road

Approach: B - Tesco Petrol Station Access Road

TIME	B to C									B to D								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	13	6	0	0	0	1	0	19.4	20	4	1	0	0	0	0	0	5.0	5
07:15 - 07:30	12	1	1	0	0	0	0	15.3	14	1	0	0	0	0	0	0	1.0	1
07:30 - 07:45	17	4	2	0	0	1	0	26.0	24	1	0	0	0	0	0	0	1.0	1
07:45 - 08:00	25	3	2	0	0	0	0	32.6	30	1	0	0	0	0	0	0	1.0	1
Hourly Total	67	14	5	0	0	2	0	94	88	7	1	0	0	0	0	0	8	8
08:00 - 08:15	14	6	0	0	0	0	0	20.0	20	4	0	0	0	0	0	0	4.0	4
08:15 - 08:30	24	2	1	0	0	1	0	28.7	28	0	0	0	0	0	0	0	0.0	0
08:30 - 08:45	19	2	1	0	0	1	0	23.7	23	3	0	0	0	0	0	0	3.0	3
08:45 - 09:00	26	3	0	0	0	0	0	29.0	29	5	0	0	0	0	1	0	5.4	6
Hourly Total	83	13	2	0	0	2	0	102	100	12	0	0	0	0	1	0	12	13
09:00 - 09:15	26	3	1	0	0	0	0	31.3	30	4	0	0	0	0	0	0	4.0	4
09:15 - 09:30	22	4	2	0	0	1	0	31.0	29	4	0	0	0	0	0	0	4.0	4
09:30 - 09:45	24	4	0	0	0	0	0	28.0	28	4	0	1	0	0	0	0	6.3	5
09:45 - 10:00	24	2	0	0	0	0	0	26.0	26	2	0	0	0	0	0	0	2.0	2
Hourly Total	96	13	3	0	0	1	0	116	113	14	0	1	0	0	0	0	16	15
Session Total	246	40	10	0	0	5	0	312	301	33	1	1	0	0	1	0	36	36
16:00 - 16:15	23	2	0	0	0	0	0	25.0	25	6	0	0	0	0	0	0	6.0	6
16:15 - 16:30	15	3	0	0	0	0	0	18.0	18	6	0	0	0	0	0	0	6.0	6
16:30 - 16:45	28	0	0	0	0	1	0	28.4	29	3	1	0	0	0	0	0	4.0	4
16:45 - 17:00	18	1	0	0	0	0	0	19.0	19	0	0	0	0	0	0	0	0.0	0
Hourly Total	84	6	0	0	0	1	0	90	91	15	1	0	0	0	0	0	16	16
17:00 - 17:15	21	3	0	0	0	0	0	24.0	24	3	0	0	0	0	0	0	3.0	3
17:15 - 17:30	18	2	0	0	0	0	0	20.0	20	2	0	0	0	0	0	0	2.0	2
17:30 - 17:45	14	1	0	0	0	0	0	15.0	15	6	0	0	0	0	0	0	6.0	6
17:45 - 18:00	19	2	0	0	0	0	0	21.0	21	10	0	0	0	0	0	0	10.0	10
Hourly Total	72	8	0	0	0	0	0	80	80	21	0	0	0	0	0	0	21	21
18:00 - 18:15	14	0	0	0	0	0	0	14.0	14	4	0	0	0	0	1	0	4.4	5
18:15 - 18:30	24	3	0	0	0	1	0	27.4	28	4	0	0	0	0	3	0	5.2	7
18:30 - 18:45	24	2	0	1	0	0	0	28.3	27	3	0	0	0	0	1	0	3.4	4
18:45 - 19:00	18	1	0	0	0	0	0	19.0	19	4	1	0	0	0	0	0	5.0	5
Hourly Total	80	6	0	1	0	1	0	88	88	15	1	0	0	0	5	0	18	21
Session Total	236	20	0	1	0	2	0	258	259	51	2	0	0	0	5	0	55	58

TIME	From B									To B								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	19	8	0	0	0	1	0	27.4	28	18	7	0	0	0	1	0	25.4	26
07:15 - 07:30	15	1	1	0	0	0	0	18.3	17	13	4	2	0	0	0	1	21.8	20
07:30 - 07:45	20	5	2	0	0	1	0	30.0	28	26	3	1	0	0	1	0	31.7	31
07:45 - 08:00	28	4	2	0	0	0	0	36.6	34	28	5	2	0	0	0	0	37.6	35
Hourly Total	82	18	5	0	0	2	0	113	107	85	19	5	0	0	2	1	117	112
08:00 - 08:15	23	6	0	0	0	0	0	29.0	29	24	6	0	0	0	0	0	30.0	30
08:15 - 08:30	27	3	1	0	0	1	0	32.7	32	27	5	2	0	0	1	0	37.0	35
08:30 - 08:45	24	2	1	0	0	1	0	28.7	28	36	1	0	0	0	1	1	37.6	39
08:45 - 09:00	33	3	0	0	0	1	0	36.4	37	30	3	1	0	0	1	0	35.7	35
Hourly Total	107	14	2	0	0	3	0	127	126	117	15	3	0	0	3	1	140	139
09:00 - 09:15	35	3	1	0	0	0	0	40.3	39	31	2	2	0	0	0	0	37.6	35
09:15 - 09:30	30	4	2	0	0	1	0	39.0	37	33	5	0	0	0	1	0	38.4	39
09:30 - 09:45	31	4	1	0	0	0	0	37.3	36	22	3	1	0	0	0	0	27.3	26
09:45 - 10:00	31	2	0	0	0	0	0	33.0	33	34	3	0	0	0	0	0	37.0	37
Hourly Total	127	13	4	0	0	1	0	149	145	120	13	3	0	0	1	0	140	137
Session Total	316	45	11	0	0	6	0	389	378	322	47	11	0	0	6	2	397	388
16:00 - 16:15	35	2	0	0	0	0	0	37.0	37	32	3	0	0	0	0	0	35.0	35
16:15 - 16:30	24	3	0	0	0	0	0	27.0	27	30	1	0	0	0	0	0	31.0	31
16:30 - 16:45	35	1	0	0	0	1	0	36.4	37	31	2	0	0	0	1	0	33.4	34
16:45 - 17:00	21	1	0	0	0	0	0	22.0	22	27	1	0	0	0	0	0	28.0	28
Hourly Total	115	7	0	0	0	1	0	122	123	120	7	0	0	0	1	0	127	128
17:00 - 17:15	31	3	0	0	0	0	0	34.0	34	23	4	0	0	0	0	0	27.0	27
17:15 - 17:30	23	4	0	0	0	0	0	27.0	27	23	3	0	1	0	0	0	28.3	27
17:30 - 17:45	23	1	0	0	0	0	0	24.0	24	28	1	0	0	0	0	0	29.0	29
17:45 - 18:00	35	2	0	0	0	0	0	37.0	37	33	2	0	0	0	0	0	35.0	35
Hourly Total	112	10	0	0	0	0	0	122	122	107	10	0	1	0	0	0	119	118
18:00 - 18:15	25	0	0	0	0	1	0	25.4	26	26	2	0	0	0	1	0	28.4	29
18:15 - 18:30	34	3	0	0	0	4	0	38.6	41	32	2	0	0	0	5	0	36.0	39
18:30 - 18:45	31	2	0	1	0	1	0	35.7	35	31	2	0	0	0	0	0	33.0	33
18:45 - 19:00	27	2	0	0	0	0	0	29.0	29	26	1	0	0	0	0	0	27.0	27
Hourly Total	117	7	0	1	0	6	0	128	131	115	7	0	0	0	6	0	124	128
Session Total	344	24	0	1	0	7	0	372	376	342	24	0	1	0	7	0	370	374



Fishbourne - Manual Traffic Survey: Tuesday, 02 July 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Fishbourne Road East / B - Tesco Petrol Station Access Road / C - (South) Fishbourne Road East / D - Yvette Gonzalez-Nacer Road

Approach: C - (South) Fishbourne Road East

TIME	C to D									C to A								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	15	1	1	0	1	0	0	20.3	18	9	1	0	0	0	0	0	10.0	10
07:15 - 07:30	34	6	0	0	0	0	1	40.2	41	4	0	1	0	0	0	0	6.3	5
07:30 - 07:45	47	6	2	0	1	0	0	59.6	56	10	2	0	0	1	0	0	14.0	13
07:45 - 08:00	35	8	1	0	1	0	0	47.3	45	18	2	0	0	0	0	0	20.0	20
Hourly Total	131	21	4	0	3	0	1	167	160	41	5	1	0	1	0	0	50	48
08:00 - 08:15	42	2	1	0	0	0	0	46.3	45	12	2	1	0	0	0	1	16.5	16
08:15 - 08:30	30	2	1	1	0	0	0	36.6	34	7	5	0	0	0	0	0	12.0	12
08:30 - 08:45	36	6	1	0	1	0	0	46.3	44	9	0	0	0	0	1	0	9.2	10
08:45 - 09:00	56	0	4	1	0	0	0	67.5	61	13	3	1	0	1	1	0	20.7	19
Hourly Total	164	10	7	2	1	0	0	197	184	41	10	2	0	1	1	2	58	57
09:00 - 09:15	58	4	0	0	0	0	0	62.0	62	20	1	4	0	0	0	0	30.2	25
09:15 - 09:30	69	4	0	0	0	0	0	73.0	73	6	2	2	0	0	0	0	12.6	10
09:30 - 09:45	63	9	0	0	0	0	0	72.0	72	9	0	0	0	0	0	1	9.2	10
09:45 - 10:00	69	3	0	1	0	0	0	74.3	73	17	0	0	0	0	0	0	17.0	17
Hourly Total	259	20	0	1	0	0	0	281	280	52	3	6	0	0	0	1	69	62
Session Total	554	51	11	3	4	0	1	645	624	134	18	9	0	2	1	3	177	167
16:00 - 16:15	57	4	0	0	1	0	0	63.0	62	27	2	0	0	0	0	2	29.4	31
16:15 - 16:30	47	1	0	0	0	0	0	48.0	48	29	1	0	0	1	0	1	32.2	32
16:30 - 16:45	65	8	0	0	0	1	0	73.4	74	28	2	0	0	0	1	0	30.4	31
16:45 - 17:00	49	2	0	0	0	0	0	51.0	51	22	2	0	0	0	0	0	24.0	24
Hourly Total	218	15	0	0	1	1	0	235	235	106	7	0	0	1	1	3	116	118
17:00 - 17:15	49	4	0	1	0	1	0	55.7	55	19	2	0	0	0	0	1	21.2	22
17:15 - 17:30	43	1	1	0	0	0	0	46.3	45	32	2	0	0	0	1	2	34.8	37
17:30 - 17:45	49	6	0	0	0	0	0	55.0	55	37	2	0	0	0	2	1	40.0	42
17:45 - 18:00	63	6	1	0	0	3	0	72.5	73	32	2	0	0	1	0	1	36.2	36
Hourly Total	204	17	2	1	0	4	0	230	228	120	8	0	0	1	3	5	132	137
18:00 - 18:15	82	9	0	0	2	1	0	95.4	94	39	1	0	0	0	1	0	40.4	41
18:15 - 18:30	77	4	0	0	0	18	0	88.2	99	19	0	0	0	0	4	0	20.6	23
18:30 - 18:45	83	0	0	0	0	7	0	85.8	90	16	1	1	0	0	0	0	19.3	18
18:45 - 19:00	61	5	0	0	0	3	0	67.2	69	16	1	0	0	0	0	0	17.0	17
Hourly Total	303	18	0	0	2	29	0	337	352	90	3	1	0	0	5	0	97	99
Session Total	725	50	2	1	3	34	0	802	815	316	18	1	0	2	9	8	345	354

C to B									C to C								
CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
11	4	0	0	0	1	0	15.4	16	1	0	0	0	0	0	0	1.0	1
11	3	2	0	0	0	0	18.6	16	0	0	0	0	0	0	0	0.0	0
14	1	0	0	0	1	0	15.4	16	1	0	0	0	0	0	0	1.0	1
17	5	1	0	0	0	0	24.3	23	0	0	0	0	0	0	0	0.0	0
53	13	3	0	0	2	0	74	71	2	0	0	0	0	0	0	2	2
17	6	0	0	0	0	0	23.0	23	0	0	0	0	0	0	0	0.0	0
21	2	2	0	0	1	0	28.0	26	1	0	0	0	0	0	0	1.0	1
22	1	0	0	0	1	0	23.4	24	1	0	0	0	0	0	0	1.0	1
22	2	1	0	0	1	0	26.7	26	0	0	0	0	0	0	0	0.0	0
82	11	3	0	0	3	0	101	99	2	0	0	0	0	0	0	2	2
21	2	2	0	0	0	0	27.6	25	0	1	0	0	0	0	0	1.0	1
23	4	0	0	0	1	0	27.4	28	1	0	0	0	0	0	0	1.0	1
13	3	0	0	0	0	0	16.0	16	1	0	0	0	0	0	0	1.0	1
23	1	0	0	0	0	0	24.0	24	1	1	0	0	0	0	0	2.0	2
80	10	2	0	0	1	0	95	93	3	2	0	0	0	0	0	5	5
215	34	8	0	0	6	0	270	263	7	2	0	0	0	0	0	9	9
22	2	0	0	0	0	0	24.0	24	0	0	0	0	0	0	0	0.0	0
18	1	0	0	0	0	0	19.0	19	0	0	0	0	0	0	0	0.0	0
21	1	0	0	0	1	0	22.4	23	0	0	0	0	0	0	0	0.0	0
20	0	0	0	0	0	0	20.0	20	0	0	0	0	0	0	0	0.0	0
81	4	0	0	0	1	0	85	86	0	0	0	0	0	0	0	0	0
18	3	0	0	0	0	0	21.0	21	0	0	0	0	0	0	0	0.0	0
16	2	0	1	0	0	0	20.3	19	0	0	0	0	0	0	0	0.0	0
20	1	0	0	0	0	0	21.0	21	1	0	0	0	0	0	0	1.0	1
23	1	0	0	0	0	0	24.0	24	3	0	0	0	0	0	0	3.0	3
77	7	0	1	0	0	0	86	85	4	0	0	0	0	0	0	4	4
21	1	0	0	0	1	0	22.4	23	0	0	1	0	0	0	0	2.3	1
16	1	0	0	0	4	0	18.6	21	1	0	0	0	0	0	0	1.0	1
20	0	0	0	0	0	0	20.0	20	1	0	0	0	0	0	0	1.0	1
19	1	0	0	0	0	0	20.0	20	0	0	0	0	0	0	0	0.0	0
76	3	0	0	0	5	0	81	84	2	0	1	0	0	0	0	4	3
234	14	0	1	0	6	0	252	255	6	0	1	0	0	0	0	8	7

TIME	From C									To C								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	36	6	1	0	1	1	0	46.7	45	43	14	1	0	1	2	0	62.1	61
07:15 - 07:30	49	9	3	0	0	0	1	65.1	62	52	5	3	0	0	0	1	64.1	61
07:30 - 07:45	72	9	2	0	2	1	0	90.0	86	110	11	2	0	0	1	2	126.4	126
07:45 - 08:00	70	15	2	0	1	0	0	91.6	88	171	16	3	0	2	1	1	198.5	194
Hourly Total	227	39	8	0	4	2	1	293	281	376	46	9	0	3	4	4	452	442
08:00 - 08:15	71	10	2	0	0	0	1	85.8	84	120	15	2	0	1	0	1	141.8	139
08:15 - 08:30	59	9	3	1	0	1	0	77.6	73	150	13	3	0	0	1	2	170.7	169
08:30 - 08:45	68	7	1	0	1	1	1	79.9	79	148	9	2	0	1	2	3	165.0	165
08:45 - 09:00	91	5	6	1	1	2	0	114.9	106	130	10	3	2	0	2	0	152.3	147
Hourly Total	289	31	12	2	2	4	2	359	342	548	47	10	2	2	5	6	630	620
09:00 - 09:15	99	8	6	0	0	0	0	120.8	113	104	10	3	0	0	0	1	121.1	118
09:15 - 09:30	99	10	2	0	0	1	0	114.0	112	116	7	3	0	0	1	0	130.3	127
09:30 - 09:45	86	12	0	0	0	0	1	98.2	99	102	8	1	0	0	0	0	112.3	111
09:45 - 10:00	110	5	0	1	0	0	0	117.3	116	87	8	0	0	1	0	0	97.0	96
Hourly Total	394	35	8	1	0	1	1	449	440	409	33	7	0	1	1	1	460	452
Session Total	910	105	28	3	6	7	4	1101	1063	1333	126	26	2	6	10	11	1542	1514
16:00 - 16:15	106	8	0	0	1	0	2	116.4	117	118	11	0	0	0	1	0	129.4	130
16:15 - 16:30	94	3	0	0	1	0	1	99.2	99	102	7	1	0	0	1	0	111.7	111
16:30 - 16:45	114	11	0	0	0	3	0	126.2	128	104	2	0	0	1	1	0	108.4	108
16:45 - 17:00	91	4	0	0	0	0	0	95.0	95	112	4	0	1	0	2	0	119.1	119
Hourly Total	405	26	0	0	2	3	3	437	439	436	24	1	1	1	5	0	468	468
17:00 - 17:15	86	9	0	1	0	1	1	97.9	98	94	12	0	0	1	0	0	108.0	107
17:15 - 17:30	91	5	1	1	0	1	2	101.4	101	92	6	0	0	0	1	2	98.8	101
17:30 - 17:45	107	9	0	0	0	2	1	117.0	119	88	5	0	0	0	0	0	93.0	93
17:45 - 18:00	121	9	1	0	1	3	1	135.7	136	104	5	1	0	0	0	0	111.3	110
Hourly Total	405	32	2	2	1	7	5	453	454	378	28	1	0	1	1	2	410	411
18:00 - 18:15	142	11	1	0	2	3	0	160.5	159	87	9	1	0	0	2	0	99.1	99
18:15 - 18:30	113	5	0	0	0	26	0	128.4	144	123	9	0	1	3	4	1	142.1	141
18:30 - 18:45	120	1	1	0	0	7	0	126.1	129	118	7	0	1	0	28	2	138.9	156
18:45 - 19:00	96	7	0	0	0	3	0	104.2	106	100	3	1	0	0	3	1	106.7	108
Hourly Total	471	24	2	0	2	39	0	520	538	428	28	2	2	3	37	4	488	504
Session Total	1281	82	4	2	5	49	8	1410	1431	1242	80	4	3	5	43	6	1366	1383



Fishbourne - Manual Traffic Survey: Tuesday, 02 July 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Fishbourne Road East / B - Tesco Petrol Station Access Road / C - (South) Fishbourne Road East / D - Yvette Gonzalez-Nacer Road

Approach: D - Yvette Gonzalez-Nacer Road

TIME	D to A									D to B								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	1	2	0	0	0	0	0	3.0	3	2	1	0	0	0	0	0	3.0	3
07:15 - 07:30	7	1	0	0	0	0	0	8.0	8	0	1	0	0	0	0	0	1.0	1
07:30 - 07:45	11	2	0	0	0	0	0	13.0	13	5	1	0	0	0	0	0	6.0	6
07:45 - 08:00	11	1	0	0	0	0	0	12.0	12	2	0	1	0	0	0	0	4.3	3
Hourly Total	30	6	0	0	0	0	0	36	36	9	3	1	0	0	0	0	14	13
08:00 - 08:15	4	0	0	0	0	0	0	4.0	4	2	0	0	0	0	0	0	2.0	2
08:15 - 08:30	7	2	0	0	0	0	0	9.0	9	2	0	0	0	0	0	0	2.0	2
08:30 - 08:45	5	0	0	0	0	0	0	5.0	5	7	0	0	0	0	0	0	7.0	7
08:45 - 09:00	7	0	0	0	0	0	0	7.0	7	2	1	0	0	0	0	0	3.0	3
Hourly Total	23	2	0	0	0	0	0	25	25	13	1	0	0	0	0	0	14	14
09:00 - 09:15	6	0	0	0	0	0	0	6.0	6	7	0	0	0	0	0	0	7.0	7
09:15 - 09:30	10	0	0	0	0	0	0	10.0	10	7	0	0	0	0	0	0	7.0	7
09:30 - 09:45	16	0	0	0	0	0	0	16.0	16	4	0	0	0	0	0	0	4.0	4
09:45 - 10:00	16	0	0	0	0	0	0	16.0	16	8	1	0	0	0	0	0	9.0	9
Hourly Total	48	0	0	0	0	0	0	48	48	26	1	0	0	0	0	0	27	27
Session Total	101	8	0	0	0	0	0	109	109	48	5	1	0	0	0	0	55	54
16:00 - 16:15	19	0	0	0	0	0	0	19.0	19	5	0	0	0	0	0	0	5.0	5
16:15 - 16:30	15	0	0	0	0	0	0	15.0	15	7	0	0	0	0	0	0	7.0	7
16:30 - 16:45	24	1	0	0	0	0	0	25.0	25	5	0	0	0	0	0	0	5.0	5
16:45 - 17:00	26	2	0	0	0	0	0	28.0	28	5	0	0	0	0	0	0	5.0	5
Hourly Total	84	3	0	0	0	0	0	87	87	22	0	0	0	0	0	0	22	22
17:00 - 17:15	13	2	0	0	0	0	0	15.0	15	4	0	0	0	0	0	0	4.0	4
17:15 - 17:30	19	1	0	0	0	0	0	20.0	20	4	1	0	0	0	0	0	5.0	5
17:30 - 17:45	20	2	0	0	0	0	0	22.0	22	4	0	0	0	0	0	0	4.0	4
17:45 - 18:00	22	2	0	0	0	0	1	24.2	25	7	1	0	0	0	0	0	8.0	8
Hourly Total	74	7	0	0	0	0	1	81	82	19	2	0	0	0	0	0	21	21
18:00 - 18:15	19	0	0	0	0	2	0	19.8	21	1	1	0	0	0	0	0	2.0	2
18:15 - 18:30	27	2	0	0	0	0	0	29.0	29	11	1	0	0	0	1	0	12.4	13
18:30 - 18:45	17	1	0	0	0	0	0	18.0	18	9	0	0	0	0	0	0	9.0	9
18:45 - 19:00	23	0	0	0	0	0	1	23.2	24	6	0	0	0	0	0	0	6.0	6
Hourly Total	86	3	0	0	0	2	1	90	92	27	2	0	0	0	1	0	29	30
Session Total	244	13	0	0	0	2	2	258	261	68	4	0	0	0	1	0	72	73

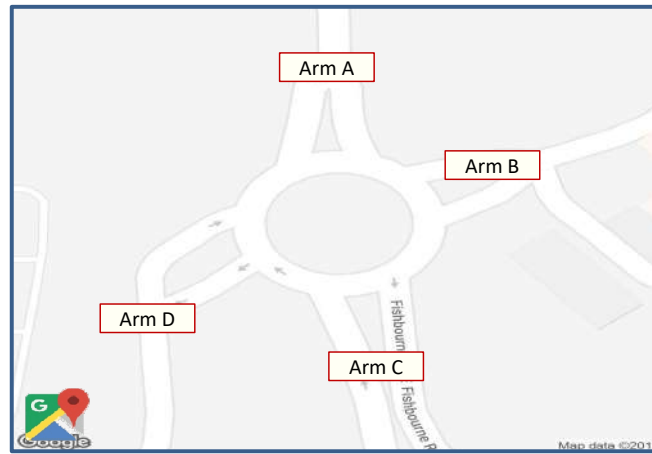
TIME	From D									To D								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	18	5	0	0	1	0	0	25.0	24	24	3	1	0	1	0	1	31.5	30
07:15 - 07:30	22	5	1	0	0	0	0	29.3	28	40	7	0	0	0	0	1	47.2	48
07:30 - 07:45	53	6	0	0	0	0	0	59.0	59	65	6	2	0	1	0	0	77.6	74
07:45 - 08:00	44	7	2	0	2	0	0	59.6	55	47	9	1	0	1	0	0	60.3	58
Hourly Total	137	23	3	0	3	0	0	173	166	176	25	4	0	3	0	2	216	210
08:00 - 08:15	33	8	1	0	0	0	0	43.3	42	55	3	1	0	0	0	0	60.3	59
08:15 - 08:30	40	8	1	0	0	0	0	50.3	49	44	2	1	1	0	0	0	50.6	48
08:30 - 08:45	43	3	1	0	1	0	0	50.3	48	48	8	1	1	1	0	0	62.6	59
08:45 - 09:00	34	5	3	2	0	1	0	50.9	45	80	0	4	1	0	1	0	91.9	86
Hourly Total	150	24	6	2	1	1	0	195	184	227	13	7	3	1	1	0	265	252
09:00 - 09:15	49	4	2	0	0	0	0	57.6	55	84	5	0	0	0	0	0	89.0	89
09:15 - 09:30	67	2	0	0	0	0	0	69.0	69	97	7	0	0	0	0	0	104.0	104
09:30 - 09:45	64	3	0	0	0	0	0	67.0	67	80	9	1	0	0	0	0	91.3	90
09:45 - 10:00	67	4	0	0	0	0	0	71.0	71	82	4	0	1	0	0	0	88.3	87
Hourly Total	247	13	2	0	0	0	0	265	262	343	25	1	1	0	0	0	372	370
Session Total	534	60	11	2	4	1	0	633	612	746	63	12	4	4	1	2	853	832
16:00 - 16:15	84	6	0	0	0	1	0	90.4	91	76	4	0	0	1	0	0	82.0	81
16:15 - 16:30	73	2	1	0	0	0	0	77.3	76	69	3	0	0	0	0	0	72.0	72
16:30 - 16:45	70	2	0	0	1	0	0	74.0	73	84	9	0	0	0	1	0	93.4	94
16:45 - 17:00	87	4	0	1	0	2	0	94.1	94	56	4	0	0	0	0	0	60.0	60
Hourly Total	314	14	1	1	1	3	0	335	334	285	20	0	0	1	1	0	307	307
17:00 - 17:15	63	8	0	0	0	0	0	71.0	71	61	6	0	1	0	1	0	69.7	69
17:15 - 17:30	67	5	0	0	0	1	0	72.4	73	64	4	1	0	0	0	0	70.3	69
17:30 - 17:45	68	5	0	0	0	0	0	73.0	73	66	7	0	0	0	1	0	73.4	74
17:45 - 18:00	75	5	1	0	0	0	1	82.5	82	91	8	1	0	0	3	0	102.5	103
Hourly Total	273	23	1	0	0	1	1	298	299	282	25	2	1	0	5	0	316	315
18:00 - 18:15	76	7	0	0	0	3	0	84.2	86	98	9	0	0	2	2	0	111.8	111
18:15 - 18:30	115	7	0	1	2	3	1	129.7	129	87	4	0	0	0	21	0	99.4	112
18:30 - 18:45	103	4	0	0	0	28	0	118.2	135	98	0	0	0	0	8	0	101.2	106
18:45 - 19:00	94	1	1	0	0	3	1	98.7	100	69	6	0	0	0	3	0	76.2	78
Hourly Total	388	19	1	1	2	37	2	430	450	352	19	0	0	2	34	0	389	407
Session Total	975	56	3	2	3	41	3	1063	1083	919	64	2	1	3	40	0	1012	1029



Fishbourne - Manual Traffic Survey: Tuesday, 02 July 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Fishbourne Road East / B - Tesco Petrol Station Access Road / C - (South) Fishbourne Road East / D - Yvette Gonzalez-Nacer Road



Matrix Totals:

Show single Session:

Custom Start / End:

Show Peak Times:

		Arm Destination					
		A	B	C	D	Total	% Total
Arm Origin	A	23	116	1125	326	1590	100.00%
	B	99	1	560	94	754	100.00%
	C	521	518	16	1439	2494	100.00%
	D	370	127	1196	2	1695	100.00%
Total		1013	762	2897	1861		
% Total		100.00%	100.00%	100.00%	100.00%		

Classifications	Include
CAR	Yes
LGV	Yes
OGV1	Yes
OGV2	Yes
BUS	Yes
M/CYCLE	Yes
P/CYCLE	Yes



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (West) A259 Cathedral Way / B - Fishbourne Road East / C - (East) A259 Cathedral Way

CLASSIFICATION	PCU
CAR	1.0
LGV	1.0
OGV1	2.3
OGV2	2.3
BUS	2.0
M/CYCLE	0.4
P/CYCLE	0.2



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (West) A259 Cathedral Way / B - Fishbourne Road East / C - (East) A259 Cathedral Way

Approach: A - (West) A259 Cathedral Way

TIME	A to B									A to C								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	22	5	1	0	0	1	0	29.7	29	167	26	3	1	2	2	0	207.0	201
07:15 - 07:30	28	8	2	0	0	0	0	40.6	38	207	34	7	0	1	1	0	259.5	250
07:30 - 07:45	45	9	3	0	1	0	0	62.9	58	245	40	3	0	5	1	0	302.3	294
07:45 - 08:00	39	12	2	0	0	0	0	55.6	53	241	28	4	1	0	5	0	282.5	279
Hourly Total	134	34	8	0	1	1	0	188	178	860	128	17	2	8	9	0	1052	1024
08:00 - 08:15	32	8	3	0	0	1	0	47.3	44	257	14	4	0	1	0	0	282.2	276
08:15 - 08:30	33	8	2	1	0	0	0	47.9	44	249	21	3	0	1	0	0	278.9	274
08:30 - 08:45	42	5	2	0	0	1	1	52.2	51	256	18	5	2	1	2	1	293.1	285
08:45 - 09:00	33	6	4	1	0	0	0	50.5	44	208	23	1	2	0	1	0	238.3	235
Hourly Total	140	27	11	2	0	2	1	198	183	970	76	13	4	3	3	1	1092	1070
09:00 - 09:15	49	5	6	0	0	0	0	67.8	60	196	25	4	0	2	2	0	235.0	229
09:15 - 09:30	51	7	1	0	0	1	0	60.7	60	156	20	6	0	2	1	0	194.2	185
09:30 - 09:45	39	7	0	0	0	0	0	46.0	46	146	26	5	1	0	1	0	186.2	179
09:45 - 10:00	40	3	0	1	0	0	0	45.3	44	121	11	1	1	1	2	0	139.4	137
Hourly Total	179	22	7	1	0	1	0	219	210	619	82	16	2	5	6	0	755	730
Session Total	453	83	26	3	1	4	1	605	571	2449	286	46	8	16	18	1	2899	2824
16:00 - 16:15	45	2	0	0	0	0	0	47.0	47	119	15	5	1	1	2	0	150.6	143
16:15 - 16:30	42	2	0	0	0	0	0	44.0	44	114	16	0	0	1	1	0	132.4	132
16:30 - 16:45	49	5	0	0	0	2	0	54.8	56	118	18	2	0	1	0	0	142.6	139
16:45 - 17:00	35	3	0	0	0	0	0	38.0	38	140	16	2	0	1	1	0	163.0	160
Hourly Total	171	12	0	0	0	2	0	184	185	491	65	9	1	4	4	0	589	574
17:00 - 17:15	46	5	0	1	0	1	0	53.7	53	131	16	1	0	0	1	0	149.7	149
17:15 - 17:30	41	4	1	1	0	0	0	49.6	47	134	11	0	0	0	1	0	145.4	146
17:30 - 17:45	43	5	0	0	0	1	0	48.4	49	118	10	0	0	1	3	0	131.2	132
17:45 - 18:00	46	4	1	0	0	1	0	52.7	52	118	11	0	0	1	0	0	131.0	130
Hourly Total	176	18	2	2	0	3	0	205	201	501	48	1	0	2	5	0	557	557
18:00 - 18:15	56	8	0	0	0	2	0	64.8	66	118	5	1	1	3	1	0	134.0	129
18:15 - 18:30	66	3	0	0	0	24	0	78.6	93	122	5	0	0	0	0	0	127.0	127
18:30 - 18:45	61	1	1	0	0	7	0	67.1	70	117	5	0	0	3	0	0	128.0	125
18:45 - 19:00	51	6	0	0	0	0	0	57.0	57	126	11	0	0	1	1	0	139.4	139
Hourly Total	234	18	1	0	0	33	0	267	286	483	26	1	1	7	2	0	528	520
Session Total	581	48	3	2	0	38	0	656	672	1475	139	11	2	13	11	0	1674	1651

A to A								
CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0.0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

From A								
TIME	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU
07:00 - 07:15	189	31	4	1	2	3	0	236.7
07:15 - 07:30	235	42	9	0	1	1	0	300.1
07:30 - 07:45	290	49	6	0	6	1	0	365.2
07:45 - 08:00	280	40	6	1	0	5	0	338.1
Hourly Total	994	162	25	2	9	10	0	1241
08:00 - 08:15	289	22	7	0	1	1	0	329.5
08:15 - 08:30	282	29	5	1	1	0	0	326.8
08:30 - 08:45	298	23	7	2	1	3	2	345.3
08:45 - 09:00	241	29	5	3	0	1	0	288.8
Hourly Total	1110	103	24	6	3	5	2	1290
09:00 - 09:15	245	30	10	0	2	2	0	302.8
09:15 - 09:30	207	27	7	0	2	2	0	254.9
09:30 - 09:45	185	33	5	1	0	1	0	232.2
09:45 - 10:00	161	14	1	2	1	2	0	184.7
Hourly Total	798	104	23	3	5	7	0	975
Session Total	2902	369	72	11	17	22	2	3506
16:00 - 16:15	164	17	5	1	1	2	0	197.6
16:15 - 16:30	156	18	0	0	1	1	0	176.4
16:30 - 16:45	167	23	2	0	1	2	0	197.4
16:45 - 17:00	175	19	2	0	1	1	0	201.0
Hourly Total	662	77	9	1	4	6	0	772
17:00 - 17:15	177	21	1	1	0	2	0	203.4
17:15 - 17:30	175	15	1	1	0	1	0	195.0
17:30 - 17:45	161	15	0	0	1	4	0	179.6
17:45 - 18:00	164	15	1	0	1	1	0	183.7
Hourly Total	677	66	3	2	2	8	0	762
18:00 - 18:15	174	13	1	1	3	3	0	198.8
18:15 - 18:30	188	8	0	0	0	24	0	205.6
18:30 - 18:45	178	6	1	0	3	7	0	195.1
18:45 - 19:00	177	17	0	0	1	1	0	196.4
Hourly Total	717	44	2	1	7	35	0	796
Session Total	2056	187	14	4	13	49	0	2330

To A									
TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
230	85	19	3	0	1	3	0	114.1	111
288	106	11	2	0	3	0	1	127.8	123
352	175	17	3	2	0	2	0	204.3	199
332	198	18	5	0	2	2	0	232.3	225
1202	564	65	13	2	6	7	1	679	658
320	194	15	2	0	0	0	0	213.6	211
318	165	16	4	0	1	4	0	193.8	190
336	154	9	3	0	0	1	0	170.3	167
279	166	21	4	1	1	3	0	201.7	196
1253	679	61	13	1	2	8	0	779	764
289	131	15	4	1	2	1	0	161.9	154
245	113	12	2	0	0	2	0	130.4	129
225	117	13	1	1	2	1	0	139.0	135
181	125	16	4	0	2	0	1	154.4	148
940	486	56	11	2	6	4	1	586	566
3395	1729	182	37	5	14	19	2	2044	1988
190	262	22	2	0	3	3	0	295.8	292
176	234	25	0	0	0	1	0	259.4	260
195	203	21	4	0	1	3	0	236.4	232
198	178	19	0	1	0	0	0	199.3	198
759	877	87	6	1	4	7	0	991	982
202	152	11	1	0	2	0	3	169.9	169
193	192	10	1	0	1	2	1	207.3	207
181	193	22	1	0	1	1	0	219.7	218
182	186	10	1	1	1	1	1	203.2	201
758	723	53	4	1	5	4	5	800	795
195	198	16	0	0	2	1	0	218.4	217
220	207	12	0	1	0	8	1	224.7	229
195	186	10	0	1	0	25	0	208.3	222
196	161	7	0	0	1	6	1	172.6	176
806	752	45	0	2	3	40	2	824	844
2323	2352	185	10	4	12	51	7	2615	2621



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (West) A259 Cathedral Way / B - Fishbourne Road East / C - (East) A259 Cathedral Way

Approach: B - Fishbourne Road East

TIME	B to C									B to A								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	41	14	0	0	1	2	0	57.8	58	0	0	0	0	0	0	0	0.0	0
07:15 - 07:30	52	5	3	0	0	0	0	63.9	60	0	0	0	0	0	0	0	0.0	0
07:30 - 07:45	110	11	3	0	0	1	2	128.7	127	0	0	0	0	0	0	0	0.0	0
07:45 - 08:00	169	17	3	0	2	1	1	197.5	193	0	0	0	0	0	0	0	0.0	0
Hourly Total	372	47	9	0	3	4	3	449	438	0	0	0	0	0	0	0	0	0
08:00 - 08:15	124	14	3	0	1	0	1	147.1	143	0	0	0	0	0	0	0	0.0	0
08:15 - 08:30	150	12	3	0	0	1	2	169.7	168	0	0	0	0	0	0	0	0.0	0
08:30 - 08:45	150	8	2	0	1	2	3	166.0	166	0	0	0	0	0	0	0	0.0	0
08:45 - 09:00	131	12	2	2	0	2	0	153.0	149	0	0	0	0	0	0	0	0.0	0
Hourly Total	555	46	10	2	2	5	6	636	626	0	0	0	0	0	0	0	0	0
09:00 - 09:15	103	10	3	0	0	0	1	120.1	117	0	0	0	0	0	0	0	0.0	0
09:15 - 09:30	110	8	3	0	0	1	0	125.3	122	0	0	0	0	0	0	0	0.0	0
09:30 - 09:45	100	9	1	0	0	0	0	111.3	110	0	0	0	0	0	0	0	0.0	0
09:45 - 10:00	88	8	0	0	1	0	0	98.0	97	0	0	0	0	0	0	0	0.0	0
Hourly Total	401	35	7	0	1	1	1	454	446	0	0	0	0	0	0	0	0	0
Session Total	1328	128	26	2	6	10	10	1539	1510	0	0	0	0	0	0	0	0	0
16:00 - 16:15	120	10	0	0	0	1	0	130.4	131	0	0	0	0	0	0	0	0.0	0
16:15 - 16:30	101	6	1	0	0	1	0	109.7	109	0	0	0	0	0	0	0	0.0	0
16:30 - 16:45	106	2	0	0	1	1	0	110.4	110	0	0	0	0	0	0	0	0.0	0
16:45 - 17:00	109	5	0	1	0	2	1	117.3	118	0	0	0	0	0	0	0	0.0	0
Hourly Total	436	23	1	1	1	5	1	467	468	0	0	0	0	0	0	0	0	0
17:00 - 17:15	94	11	0	0	1	0	0	107.0	106	0	0	0	0	0	0	0	0.0	0
17:15 - 17:30	92	6	0	0	0	1	1	98.6	100	0	0	0	0	0	0	1	0.2	1
17:30 - 17:45	87	5	0	0	0	0	0	92.0	92	0	0	0	0	0	0	0	0.0	0
17:45 - 18:00	103	4	1	0	0	0	0	109.3	108	0	0	0	0	0	0	0	0.0	0
Hourly Total	376	26	1	0	1	1	1	406	406	0	0	0	0	0	0	1	0	1
18:00 - 18:15	85	11	1	0	0	2	0	99.1	99	0	0	0	0	0	0	0	0.0	0
18:15 - 18:30	117	9	0	1	3	4	0	135.9	134	0	0	0	0	0	0	1	0.2	1
18:30 - 18:45	114	7	0	1	0	28	2	134.9	152	0	0	0	0	0	0	0	0.0	0
18:45 - 19:00	99	3	1	0	0	3	0	105.5	106	0	0	0	0	0	0	1	0.2	1
Hourly Total	415	30	2	2	3	37	2	476	491	0	0	0	0	0	0	2	0	2
Session Total	1227	79	4	3	5	43	4	1349	1365	0	0	0	0	0	0	3	0	3

To B									
TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
58	37	7	1	0	0	1	0	46.7	46
60	47	9	3	0	0	0	1	63.1	60
127	72	9	3	0	2	1	0	92.3	87
193	71	15	2	0	1	0	0	92.6	89
438	227	40	9	0	3	2	1	295	282
143	66	9	3	0	0	1	1	82.5	80
168	56	11	2	1	0	0	0	73.9	70
166	68	7	2	0	1	1	1	82.2	80
149	92	6	5	1	1	2	0	114.6	107
626	282	33	12	2	2	4	2	354	337
117	99	9	6	0	0	0	0	121.8	114
122	101	10	1	0	0	1	0	113.7	113
110	92	7	0	0	0	0	0	99.0	99
97	104	6	0	1	0	0	0	112.3	111
446	396	32	7	1	0	1	0	446	437
1510	905	105	28	3	5	7	3	1095	1056
131	108	9	0	0	1	0	2	119.4	120
109	94	3	0	0	1	0	0	99.0	98
110	108	10	1	0	0	2	0	121.1	121
118	88	4	0	0	0	0	0	92.0	92
468	398	26	1	0	2	2	2	431	431
106	86	9	0	1	0	1	0	97.7	97
101	90	5	1	1	0	1	0	100.0	98
92	106	8	0	0	0	2	0	114.8	116
108	126	10	1	0	1	3	0	141.5	141
407	408	32	2	2	1	7	0	455	452
99	143	10	0	0	2	3	0	158.2	158
135	110	5	0	0	0	26	0	125.4	141
152	120	1	1	0	0	7	0	126.1	129
107	98	8	0	0	0	3	0	107.2	109
493	471	24	1	0	2	39	0	517	537
1368	1277	82	4	2	5	48	2	1403	1420



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (West) A259 Cathedral Way / B - Fishbourne Road East / C - (East) A259 Cathedral Way

Approach: C - (East) A259 Cathedral Way

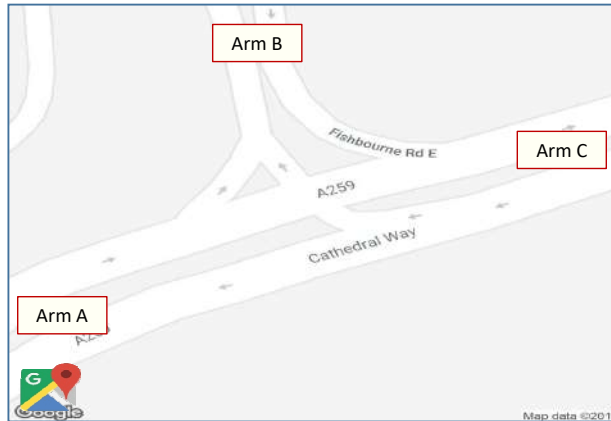
TIME	C to A									C to B								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	85	19	3	0	1	3	0	114.1	111	15	2	0	0	0	0	0	17.0	17
07:15 - 07:30	106	11	2	0	3	0	1	127.8	123	19	1	1	0	0	0	1	22.5	22
07:30 - 07:45	175	17	3	2	0	2	0	204.3	199	27	0	0	0	1	1	0	29.4	29
07:45 - 08:00	198	18	5	0	2	2	0	232.3	225	32	3	0	0	1	0	0	37.0	36
Hourly Total	564	65	13	2	6	7	1	679	658	93	6	1	0	2	1	1	105	104
08:00 - 08:15	194	15	2	0	0	0	0	213.6	211	34	1	0	0	0	0	1	35.2	36
08:15 - 08:30	165	16	4	0	1	4	0	193.8	190	23	3	0	0	0	0	0	26.0	26
08:30 - 08:45	154	9	3	0	0	1	0	170.3	167	26	2	0	0	1	0	0	30.0	29
08:45 - 09:00	166	21	4	1	1	3	0	201.7	196	59	0	1	0	1	2	0	64.1	63
Hourly Total	679	61	13	1	2	8	0	779	764	142	6	1	0	2	2	1	155	154
09:00 - 09:15	131	15	4	1	2	1	0	161.9	154	50	4	0	0	0	0	0	54.0	54
09:15 - 09:30	113	12	2	0	0	2	0	130.4	129	50	3	0	0	0	0	0	53.0	53
09:30 - 09:45	117	13	1	1	2	1	0	139.0	135	53	0	0	0	0	0	0	53.0	53
09:45 - 10:00	125	16	4	0	2	0	1	154.4	148	64	3	0	0	0	0	0	67.0	67
Hourly Total	486	56	11	2	6	4	1	586	566	217	10	0	0	0	0	0	227	227
Session Total	1729	182	37	5	14	19	2	2044	1988	452	22	2	0	4	3	2	487	485
16:00 - 16:15	262	22	2	0	3	3	0	295.8	292	63	7	0	0	1	0	2	72.4	73
16:15 - 16:30	234	25	0	0	0	1	0	259.4	260	52	1	0	0	1	0	0	55.0	54
16:30 - 16:45	203	21	4	0	1	3	0	236.4	232	59	5	1	0	0	0	0	66.3	65
16:45 - 17:00	178	19	0	1	0	0	0	199.3	198	53	1	0	0	0	0	0	54.0	54
Hourly Total	877	87	6	1	4	7	0	991	982	227	14	1	0	2	0	2	247	246
17:00 - 17:15	152	11	1	0	2	0	3	169.9	169	40	4	0	0	0	0	0	44.0	44
17:15 - 17:30	192	10	1	0	1	2	0	207.1	206	49	1	0	0	0	1	0	50.4	51
17:30 - 17:45	193	22	1	0	1	1	0	219.7	218	63	3	0	0	0	1	0	66.4	67
17:45 - 18:00	186	10	1	1	1	1	1	203.2	201	80	6	0	0	1	2	0	88.8	89
Hourly Total	723	53	4	1	5	4	4	800	794	232	14	0	0	1	4	0	250	251
18:00 - 18:15	198	16	0	0	2	1	0	218.4	217	87	2	0	0	2	1	0	93.4	92
18:15 - 18:30	207	12	0	1	0	8	0	224.5	228	44	2	0	0	0	2	0	46.8	48
18:30 - 18:45	186	10	0	1	0	25	0	208.3	222	59	0	0	0	0	0	0	59.0	59
18:45 - 19:00	161	7	0	0	1	6	0	172.4	175	47	2	0	0	0	3	0	50.2	52
Hourly Total	752	45	0	2	3	40	0	824	842	237	6	0	0	2	6	0	249	251
Session Total	2352	185	10	4	12	51	4	2615	2618	696	34	1	0	5	10	2	746	748

To C									
TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
128	208	40	3	1	3	4	0	264.8	259
145	259	39	10	0	1	1	0	323.4	310
228	355	51	6	0	5	2	2	431.0	421
261	410	45	7	1	2	6	1	480.0	472
762	1232	175	26	2	11	13	3	1500	1462
247	381	28	7	0	2	0	1	429.3	419
216	399	33	6	0	1	1	2	448.6	442
196	406	26	7	2	2	4	4	459.1	451
259	339	35	3	4	0	3	0	391.3	384
918	1525	122	23	6	5	8	7	1728	1696
208	299	35	7	0	2	2	1	355.1	346
182	266	28	9	0	2	2	0	319.5	307
188	246	35	6	1	0	1	0	297.5	289
215	209	19	1	1	2	2	0	237.4	234
793	1020	117	23	2	6	7	1	1210	1176
2473	3777	414	72	10	22	28	11	4438	4334
365	239	25	5	1	1	3	0	281.0	274
314	215	22	1	0	1	2	0	242.1	241
297	224	20	2	0	2	1	0	253.0	249
252	249	21	2	1	1	3	1	280.3	278
1228	927	88	10	2	5	9	1	1057	1042
213	225	27	1	0	1	1	0	256.7	255
257	226	17	0	0	0	2	1	244.0	246
285	205	15	0	0	1	3	0	223.2	224
290	221	15	1	0	1	0	0	240.3	238
1045	877	74	2	0	3	6	1	964	963
309	203	16	2	1	3	3	0	233.1	228
276	239	14	0	1	3	4	0	262.9	261
281	231	12	0	1	3	28	2	262.9	277
227	225	14	1	0	1	4	0	244.9	245
1093	898	56	3	3	10	39	2	1004	1011
3366	2702	218	15	5	18	54	4	3025	3016

Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (West) A259 Cathedral Way / B - Fishbourne Road East / C - (East) A259 Cathedral Way



Matrix Totals: **Counts**

Show single Session: **No**
07:00 to 10:00

Custom Start / End: **07:00** **19:00**

Show Peak Times: **No**

		Arm Destination				
		A	B	C	Total	% Total
Arm Origin	A	0	1243	4475	5718	100.00%
	B	3	0	2875	2878	100.00%
	C	4606	1233	0	5839	100.00%
Total		4609	2476	7350		
% Total		100.00%	100.00%	100.00%		

Classifications	Include
CAR	Yes
LGV	Yes
OGV1	Yes
OGV2	Yes
BUS	Yes
M/CYCLE	Yes
P/CYCLE	Yes



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Salthill Road / B - (East) Clay Lane / C - (South) Salthill Road / D - (West) Clay Lane

CLASSIFICATION	PCU
CAR	1.0
LGV	1.0
OGV1	2.3
OGV2	2.3
BUS	2.0
M/CYCLE	0.4
P/CYCLE	0.2



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Salthill Road / B - (East) Clay Lane / C - (South) Salthill Road / D - (West) Clay Lane

Approach: A - (North) Salthill Road

TIME	A to B									A to C								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	3	2	1	0	0	0	0	7.3	6	12	2	0	0	0	1	0	14.4	15
07:15 - 07:30	1	0	0	0	0	0	0	1.0	1	14	2	0	0	0	0	1	16.2	17
07:30 - 07:45	11	1	0	0	0	0	0	12.0	12	17	6	1	0	0	0	0	25.3	24
07:45 - 08:00	18	2	0	0	0	0	0	20.0	20	13	5	0	0	0	1	0	18.4	19
Hourly Total	33	5	1	0	0	0	0	40	39	56	15	1	0	0	2	1	74	75
08:00 - 08:15	8	0	0	0	0	0	0	8.0	8	23	2	0	0	0	0	0	25.0	25
08:15 - 08:30	14	2	0	0	0	0	0	16.0	16	21	4	0	1	0	0	0	27.3	26
08:30 - 08:45	25	1	0	0	0	0	0	26.0	26	33	5	3	0	0	0	0	44.9	41
08:45 - 09:00	27	2	0	0	0	0	0	29.0	29	32	12	1	0	0	0	0	46.3	45
Hourly Total	74	5	0	0	0	0	0	79	79	109	23	4	1	0	0	0	143	137
09:00 - 09:15	7	0	0	0	0	0	0	7.0	7	30	3	1	0	0	0	0	35.3	34
09:15 - 09:30	8	2	0	0	0	0	1	10.2	11	20	2	2	0	0	0	0	26.6	24
09:30 - 09:45	6	0	1	0	0	0	0	8.3	7	25	0	0	1	0	0	0	27.3	26
09:45 - 10:00	9	0	0	0	0	0	0	9.0	9	23	4	0	0	0	0	0	27.0	27
Hourly Total	30	2	1	0	0	0	1	34	34	98	9	3	1	0	0	0	116	111
Session Total	137	12	2	0	0	0	1	153	152	263	47	8	2	0	2	1	333	323
16:00 - 16:15	10	1	0	0	0	0	0	11.0	11	42	7	0	0	0	0	1	49.2	50
16:15 - 16:30	8	2	0	0	0	0	0	10.0	10	49	4	0	0	0	0	0	53.0	53
16:30 - 16:45	12	1	0	0	0	0	0	13.0	13	50	4	1	0	0	1	1	56.9	57
16:45 - 17:00	8	1	0	0	0	0	0	9.0	9	54	4	0	0	0	1	0	58.4	59
Hourly Total	38	5	0	0	0	0	0	43	43	195	19	1	0	0	2	2	217	219
17:00 - 17:15	9	5	0	0	0	0	0	14.0	14	49	6	0	1	0	0	0	57.3	56
17:15 - 17:30	10	0	0	0	0	0	0	10.0	10	65	6	2	0	0	0	1	75.8	74
17:30 - 17:45	8	2	0	0	0	1	0	10.4	11	46	1	0	0	0	0	0	47.0	47
17:45 - 18:00	14	0	0	0	0	0	0	14.0	14	65	4	0	0	0	0	0	69.0	69
Hourly Total	41	7	0	0	0	1	0	48	49	225	17	2	1	0	0	1	249	246
18:00 - 18:15	12	2	0	0	0	0	0	14.0	14	31	4	0	0	0	0	0	35.0	35
18:15 - 18:30	12	1	0	0	0	0	1	13.2	14	23	3	1	0	0	1	1	28.9	29
18:30 - 18:45	6	1	0	0	0	0	0	7.0	7	21	1	0	0	0	0	0	22.0	22
18:45 - 19:00	4	1	0	0	0	0	0	5.0	5	17	3	0	0	0	0	0	20.0	20
Hourly Total	34	5	0	0	0	0	1	39	40	92	11	1	0	0	1	1	105	106
Session Total	113	17	0	0	0	1	1	130	132	512	47	4	1	0	3	4	571	571

TIME	From A									To A								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	18	4	1	0	0	1	0	24.7	24	28	9	0	1	0	0	0	39.3	38
07:15 - 07:30	17	5	0	0	0	0	1	22.2	23	38	11	1	0	0	1	0	51.7	51
07:30 - 07:45	30	8	1	0	0	0	0	40.3	39	71	9	1	0	0	2	0	83.1	83
07:45 - 08:00	34	7	1	0	0	1	0	43.7	43	38	2	1	1	0	1	0	45.0	43
Hourly Total	99	24	3	0	0	2	1	131	129	175	31	3	2	0	4	0	220	215
08:00 - 08:15	37	2	0	0	0	0	0	39.0	39	60	11	0	0	0	0	0	71.0	71
08:15 - 08:30	41	6	1	1	0	0	0	51.6	49	57	5	0	0	0	1	0	62.4	63
08:30 - 08:45	66	7	3	0	0	0	0	79.9	76	45	4	2	0	0	0	0	53.6	51
08:45 - 09:00	64	18	1	0	0	0	0	84.3	83	36	10	0	0	0	0	0	46.0	46
Hourly Total	208	33	5	1	0	0	0	255	247	198	30	2	0	0	1	0	233	231
09:00 - 09:15	44	4	2	0	0	0	0	52.6	50	36	3	2	0	0	0	0	43.6	41
09:15 - 09:30	29	4	2	0	0	0	1	37.8	36	37	6	3	0	0	0	3	50.5	49
09:30 - 09:45	35	1	1	1	0	0	0	40.6	38	49	0	0	0	0	0	1	49.2	50
09:45 - 10:00	39	5	0	0	0	0	0	44.0	44	45	6	0	0	0	0	0	51.0	51
Hourly Total	147	14	5	1	0	0	1	175	168	167	15	5	0	0	0	4	195	191
Session Total	454	71	13	2	0	2	2	561	544	540	76	10	2	0	5	4	648	637
16:00 - 16:15	62	8	1	0	0	0	2	72.7	73	94	2	0	0	0	0	0	96.0	96
16:15 - 16:30	64	8	0	0	0	0	1	72.2	73	45	1	1	0	0	0	0	48.3	47
16:30 - 16:45	78	5	1	0	0	1	1	85.9	86	41	7	1	0	0	1	0	50.7	50
16:45 - 17:00	73	5	0	0	0	1	0	78.4	79	42	5	0	0	0	1	1	47.6	49
Hourly Total	277	26	2	0	0	2	4	310	311	222	15	2	0	0	2	1	243	242
17:00 - 17:15	73	13	0	1	0	0	0	88.3	87	35	7	1	0	0	0	1	44.5	44
17:15 - 17:30	96	9	2	0	0	0	1	109.8	108	50	7	0	1	0	0	1	59.5	59
17:30 - 17:45	71	5	0	0	0	1	0	76.4	77	38	1	0	0	0	1	0	39.4	40
17:45 - 18:00	103	7	0	0	0	0	0	110.0	110	32	1	0	0	0	2	0	33.8	35
Hourly Total	343	34	2	1	0	1	1	384	382	155	16	1	1	0	3	2	176	178
18:00 - 18:15	54	6	0	0	0	1	0	60.4	61	42	2	0	0	0	2	0	44.8	46
18:15 - 18:30	44	4	1	0	0	1	2	51.1	52	32	2	0	0	0	3	1	35.4	38
18:30 - 18:45	37	2	0	0	0	0	0	39.0	39	35	3	0	0	0	0	0	38.0	38
18:45 - 19:00	24	5	0	0	0	0	0	29.0	29	24	3	1	1	0	0	0	31.6	29
Hourly Total	159	17	1	0	0	2	2	179	181	133	10	1	1	0	5	1	149	151
Session Total	779	77	5	1	0	5	7	873	874	510	41	4	2	0	10	4	568	571



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Salthill Road / B - (East) Clay Lane / C - (South) Salthill Road / D - (West) Clay Lane

Approach: B - (East) Clay Lane

TIME	B to C									B to D								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	1	1	0	0	0	0	0	2.0	2	3	1	0	0	0	0	0	4.0	4
07:15 - 07:30	5	0	0	0	0	0	0	5.0	5	2	0	0	0	0	0	0	2.0	2
07:30 - 07:45	5	0	0	0	0	0	0	5.0	5	8	1	0	0	1	0	1	11.2	11
07:45 - 08:00	10	2	0	0	0	0	0	12.0	12	14	1	0	0	0	0	0	15.0	15
Hourly Total	21	3	0	0	0	0	0	24	24	27	3	0	0	1	0	1	32	32
08:00 - 08:15	9	1	0	0	0	0	0	10.0	10	9	0	0	0	0	0	0	9.0	9
08:15 - 08:30	8	1	0	0	0	0	0	9.0	9	6	4	0	0	0	0	0	10.0	10
08:30 - 08:45	12	0	0	0	0	0	0	12.0	12	7	0	0	0	0	0	0	7.0	7
08:45 - 09:00	4	2	0	0	0	0	0	6.0	6	8	0	0	0	0	1	0	8.4	9
Hourly Total	33	4	0	0	0	0	0	37	37	30	4	0	0	0	1	0	34	35
09:00 - 09:15	6	1	0	0	1	0	0	9.0	8	6	1	1	0	0	0	0	9.3	8
09:15 - 09:30	9	2	0	0	0	0	0	11.0	11	12	0	0	0	0	0	0	12.0	12
09:30 - 09:45	10	0	1	0	0	0	0	12.3	11	4	0	0	0	0	0	1	4.2	5
09:45 - 10:00	9	0	0	0	0	0	0	9.0	9	8	1	0	0	0	0	0	9.0	9
Hourly Total	34	3	1	0	1	0	0	41	39	30	2	1	0	0	0	1	34	34
Session Total	88	10	1	0	1	0	0	102	100	87	9	1	0	1	1	2	100	101
16:00 - 16:15	12	0	0	0	0	0	0	12.0	12	19	1	0	0	0	1	2	20.8	23
16:15 - 16:30	14	2	1	0	0	0	0	18.3	17	19	0	0	0	0	0	2	19.4	21
16:30 - 16:45	20	1	0	0	1	0	0	23.0	22	27	0	0	0	0	0	2	27.4	29
16:45 - 17:00	18	1	2	0	0	1	0	24.0	22	17	0	0	0	0	0	2	17.4	19
Hourly Total	64	4	3	0	1	1	0	77	73	82	1	0	0	0	1	8	85	92
17:00 - 17:15	16	2	0	0	0	0	0	18.0	18	19	2	0	0	0	0	0	21.0	21
17:15 - 17:30	12	2	0	0	0	0	0	14.0	14	24	1	0	0	0	0	0	25.0	25
17:30 - 17:45	15	0	0	0	0	0	0	15.0	15	18	1	0	0	0	1	1	19.6	21
17:45 - 18:00	17	2	0	0	1	0	0	21.0	20	28	1	0	0	0	0	3	29.6	32
Hourly Total	60	6	0	0	1	0	0	68	67	89	5	0	0	0	1	4	95	99
18:00 - 18:15	21	0	0	0	0	1	0	21.4	22	19	0	0	0	0	0	1	19.2	20
18:15 - 18:30	16	0	0	0	0	0	1	16.2	17	17	2	0	0	0	1	1	19.6	21
18:30 - 18:45	13	0	0	0	0	0	0	13.0	13	13	0	0	0	0	0	1	13.2	14
18:45 - 19:00	10	0	0	0	0	0	0	10.0	10	11	1	0	0	0	0	0	12.0	12
Hourly Total	60	0	0	0	0	1	1	60	62	60	3	0	0	0	1	3	64	67
Session Total	184	10	3	0	2	2	1	205	202	231	9	0	0	0	3	15	244	258

TIME	From B									To B								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	5	3	0	0	0	0	0	8.0	8	15	4	1	0	0	0	2	21.7	22
07:15 - 07:30	8	1	0	0	0	0	0	9.0	9	25	3	0	0	0	0	3	28.6	31
07:30 - 07:45	19	3	0	0	1	0	1	24.2	24	93	5	0	0	0	0	2	98.4	100
07:45 - 08:00	33	3	0	0	0	0	0	36.0	36	126	5	0	0	0	1	3	132.0	135
Hourly Total	65	10	0	0	1	0	1	77	77	259	17	1	0	0	1	10	280	288
08:00 - 08:15	23	1	0	0	0	0	0	24.0	24	66	4	1	0	1	0	5	75.3	77
08:15 - 08:30	21	5	0	0	0	0	0	26.0	26	101	5	1	0	0	0	1	108.5	108
08:30 - 08:45	21	0	0	0	0	0	0	21.0	21	92	3	0	1	0	0	4	98.1	100
08:45 - 09:00	19	2	0	0	0	1	0	21.4	22	89	6	0	0	0	1	0	95.4	96
Hourly Total	84	8	0	0	0	1	0	92	93	348	18	2	1	1	1	10	377	381
09:00 - 09:15	16	2	1	0	1	0	0	22.3	20	62	3	0	0	0	0	0	65.0	65
09:15 - 09:30	24	4	1	0	0	0	3	30.9	32	52	3	1	0	0	0	1	57.5	57
09:30 - 09:45	20	0	1	0	0	0	1	22.5	22	38	0	2	0	0	0	2	43.0	42
09:45 - 10:00	21	2	0	0	0	0	0	23.0	23	30	4	0	0	1	0	3	36.6	38
Hourly Total	81	8	3	0	1	0	4	99	97	182	10	3	0	1	0	6	202	202
Session Total	230	26	3	0	2	1	5	268	267	789	45	6	1	2	2	26	859	871
16:00 - 16:15	45	1	0	0	0	1	2	46.8	49	51	2	0	0	0	0	0	53.0	53
16:15 - 16:30	44	2	1	0	0	0	2	48.7	49	50	5	0	0	0	1	2	55.8	58
16:30 - 16:45	54	2	0	0	1	0	2	58.4	59	52	4	2	0	0	0	0	60.6	58
16:45 - 17:00	44	2	2	0	0	1	2	51.4	51	31	6	0	0	1	0	1	39.2	39
Hourly Total	187	7	3	0	1	2	8	206	208	184	17	2	0	1	1	3	209	208
17:00 - 17:15	41	8	0	0	0	0	1	49.2	50	35	6	0	0	0	0	1	41.2	42
17:15 - 17:30	47	3	0	0	0	0	1	50.2	51	57	5	0	0	0	0	2	62.4	64
17:30 - 17:45	39	2	0	0	0	1	1	41.6	43	40	3	0	0	0	1	0	43.4	44
17:45 - 18:00	50	4	0	0	1	0	3	56.6	58	43	2	0	0	0	0	0	45.0	45
Hourly Total	177	17	0	0	1	1	6	197	202	175	16	0	0	0	1	3	192	195
18:00 - 18:15	51	0	0	0	0	3	1	52.4	55	31	4	0	0	0	0	1	35.2	36
18:15 - 18:30	45	2	0	0	0	4	2	49.0	53	26	2	0	0	1	0	1	30.2	30
18:30 - 18:45	35	1	0	0	0	0	1	36.2	37	26	4	0	0	0	0	2	30.4	32
18:45 - 19:00	30	2	0	0	0	0	0	32.0	32	16	1	0	0	0	0	1	17.2	18
Hourly Total	161	5	0	0	0	7	4	170	177	99	11	0	0	1	0	5	113	116
Session Total	525	29	3	0	2	10	18	573	587	458	44	2	0	2	2	11	514	519



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Salthill Road / B - (East) Clay Lane / C - (South) Salthill Road / D - (West) Clay Lane

Approach: C - (South) Salthill Road

TIME	C to D									C to A								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	2	1	0	0	0	0	0	3.0	3	25	7	0	1	0	0	0	34.3	33
07:15 - 07:30	0	0	0	0	0	0	0	0.0	0	27	9	0	0	0	1	0	36.4	37
07:30 - 07:45	3	0	0	0	0	0	0	3.0	3	57	6	1	0	0	2	0	66.1	66
07:45 - 08:00	3	0	0	0	0	0	0	3.0	3	24	2	1	1	0	0	0	30.6	28
Hourly Total	8	1	0	0	0	0	0	9	9	133	24	2	2	0	3	0	168	164
08:00 - 08:15	2	1	0	0	0	0	0	3.0	3	47	10	0	0	0	0	0	57.0	57
08:15 - 08:30	1	1	1	0	0	0	3	4.9	6	40	5	0	0	0	1	0	45.4	46
08:30 - 08:45	3	1	0	0	0	0	0	4.0	4	36	4	0	0	0	0	0	40.0	40
08:45 - 09:00	8	3	0	0	0	0	1	11.2	12	25	6	0	0	0	0	0	31.0	31
Hourly Total	14	6	1	0	0	0	4	23	25	148	25	0	0	0	1	0	173	174
09:00 - 09:15	3	2	0	0	0	0	0	5.0	5	29	3	1	0	0	0	0	34.3	33
09:15 - 09:30	3	0	0	0	0	0	0	3.0	3	28	4	1	0	0	0	0	34.3	33
09:30 - 09:45	1	0	0	0	0	0	0	1.0	1	37	0	0	0	0	0	0	37.0	37
09:45 - 10:00	5	1	1	0	0	0	0	8.3	7	37	5	0	0	0	0	0	42.0	42
Hourly Total	12	3	1	0	0	0	0	17	16	131	12	2	0	0	0	0	148	145
Session Total	34	10	2	0	0	0	4	49	50	412	61	4	2	0	4	0	489	483
16:00 - 16:15	6	1	0	0	0	0	0	7.0	7	68	1	0	0	0	0	0	69.0	69
16:15 - 16:30	1	0	0	0	0	0	0	1.0	1	30	1	1	0	0	0	0	33.3	32
16:30 - 16:45	2	1	0	0	0	0	0	3.0	3	26	6	1	0	0	1	0	34.7	34
16:45 - 17:00	4	4	0	0	0	0	0	8.0	8	28	4	0	0	0	1	1	32.6	34
Hourly Total	13	6	0	0	0	0	0	19	19	152	12	2	0	0	2	1	170	169
17:00 - 17:15	5	1	0	0	0	0	1	6.2	7	26	3	0	0	0	0	0	29.0	29
17:15 - 17:30	10	0	0	0	0	0	0	10.0	10	29	6	0	1	0	0	0	37.3	36
17:30 - 17:45	4	0	0	0	0	0	0	4.0	4	26	0	0	0	0	1	0	26.4	27
17:45 - 18:00	5	0	0	0	0	0	0	5.0	5	26	0	0	0	0	1	0	26.4	27
Hourly Total	24	1	0	0	0	0	1	25	26	107	9	0	1	0	2	0	119	119
18:00 - 18:15	3	0	0	0	0	0	3	3.6	6	26	1	0	0	0	0	0	27.0	27
18:15 - 18:30	4	0	0	0	0	0	0	4.0	4	17	1	0	0	0	0	0	18.0	18
18:30 - 18:45	6	0	0	0	0	0	1	6.2	7	22	1	0	0	0	0	0	23.0	23
18:45 - 19:00	5	0	0	0	0	0	0	5.0	5	11	1	1	1	0	0	0	16.6	14
Hourly Total	18	0	0	0	0	0	4	19	22	76	4	1	1	0	0	0	84	82
Session Total	55	7	0	0	0	0	5	63	67	335	25	3	2	0	4	1	373	370

TIME	From C									To C								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	34	8	0	1	0	0	0	44.3	43	15	4	1	0	0	1	0	21.7	21
07:15 - 07:30	42	10	0	0	0	1	0	52.4	53	23	2	1	1	0	0	1	29.8	28
07:30 - 07:45	115	9	1	0	0	2	0	127.1	127	24	7	1	0	0	0	0	33.3	32
07:45 - 08:00	102	3	1	1	0	1	0	110.0	108	24	7	0	0	0	1	0	31.4	32
Hourly Total	293	30	2	2	0	4	0	335	331	86	20	3	1	0	2	1	116	113
08:00 - 08:15	94	13	1	0	1	0	0	111.3	109	34	3	0	0	0	0	0	37.0	37
08:15 - 08:30	95	7	2	0	0	1	3	107.6	108	33	6	1	1	0	0	0	43.6	41
08:30 - 08:45	83	5	0	1	0	0	0	90.3	89	52	5	3	0	0	1	0	64.3	61
08:45 - 09:00	75	12	0	0	0	1	1	87.6	89	39	15	1	0	0	0	1	56.5	56
Hourly Total	347	37	3	1	1	2	4	397	395	158	29	5	1	0	1	1	201	195
09:00 - 09:15	66	7	1	0	0	0	0	75.3	74	36	4	2	0	1	0	0	46.6	43
09:15 - 09:30	55	5	1	0	0	0	0	62.3	61	30	7	2	0	0	0	0	41.6	39
09:30 - 09:45	57	0	0	0	0	0	0	57.0	57	38	0	2	1	0	0	0	44.9	41
09:45 - 10:00	57	9	1	0	1	0	0	70.3	68	32	4	0	0	0	0	0	36.0	36
Hourly Total	235	21	3	0	1	0	0	265	260	136	15	6	1	1	0	0	169	159
Session Total	875	88	8	3	2	6	4	997	986	380	64	14	3	1	3	2	486	467
16:00 - 16:15	99	3	0	0	0	0	0	102.0	102	59	7	0	0	0	0	1	66.2	67
16:15 - 16:30	65	3	1	0	0	1	0	70.7	70	64	6	1	0	0	0	0	72.3	71
16:30 - 16:45	56	9	3	0	0	1	0	72.3	69	71	5	1	0	1	1	1	80.9	80
16:45 - 17:00	43	10	0	0	1	1	1	55.6	56	73	6	2	0	0	2	2	84.8	85
Hourly Total	263	25	4	0	1	3	1	300	297	267	24	4	0	1	3	4	304	303
17:00 - 17:15	49	5	0	0	0	0	1	54.2	55	69	8	0	1	0	0	0	79.3	78
17:15 - 17:30	74	7	0	1	0	0	0	83.3	82	81	8	2	0	0	0	1	93.8	92
17:30 - 17:45	55	1	0	0	0	1	0	56.4	57	63	1	0	0	0	0	0	64.0	64
17:45 - 18:00	49	1	0	0	0	1	0	50.4	51	86	6	0	0	1	0	0	94.0	93
Hourly Total	227	14	0	1	0	2	1	244	245	299	23	2	1	1	0	1	331	327
18:00 - 18:15	39	1	0	0	0	0	3	40.6	43	55	4	0	0	0	1	0	59.4	60
18:15 - 18:30	30	2	0	0	1	0	0	34.0	33	41	3	1	0	0	1	3	47.3	49
18:30 - 18:45	40	1	0	0	0	0	1	41.2	42	35	1	0	0	0	0	0	36.0	36
18:45 - 19:00	24	1	1	1	0	0	0	29.6	27	29	3	0	0	0	0	0	32.0	32
Hourly Total	133	5	1	1	1	0	4	145	145	160	11	1	0	0	2	3	175	177
Session Total	623	44	5	2	2	5	6	689	687	726	58	7	1	2	5	8	810	807



Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Salthill Road / B - (East) Clay Lane / C - (South) Salthill Road / D - (West) Clay Lane

Approach: D - (West) Clay Lane

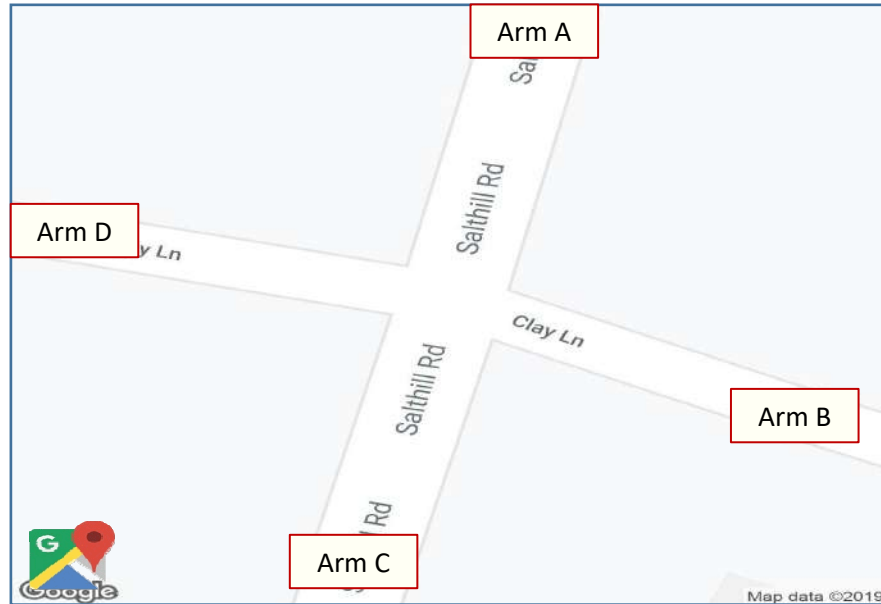
TIME	D to A									D to B									
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	
07:00 - 07:15	2	1	0	0	0	0	0	3.0	3	5	2	0	0	0	0	2	7.4	9	
07:15 - 07:30	10	1	1	0	0	0	0	13.3	12	9	2	0	0	0	0	3	11.6	14	
07:30 - 07:45	8	1	0	0	0	0	0	9.0	9	28	1	0	0	0	0	2	29.4	31	
07:45 - 08:00	5	0	0	0	0	1	0	5.4	6	33	2	0	0	0	0	3	35.6	38	
Hourly Total	25	3	1	0	0	1	0	30	30	75	7	0	0	0	0	10	84	92	
08:00 - 08:15	8	1	0	0	0	0	0	9.0	9	13	2	0	0	0	0	5	16.0	20	
08:15 - 08:30	10	0	0	0	0	0	0	10.0	10	33	2	0	0	0	0	1	35.2	36	
08:30 - 08:45	7	0	2	0	0	0	0	11.6	9	23	2	0	0	0	0	4	25.8	29	
08:45 - 09:00	4	4	0	0	0	0	0	8.0	8	20	1	0	0	0	0	0	21.0	21	
Hourly Total	29	5	2	0	0	0	0	39	36	89	7	0	0	0	0	10	98	106	
09:00 - 09:15	3	0	1	0	0	0	0	5.3	4	21	1	0	0	0	0	0	22.0	22	
09:15 - 09:30	6	0	1	0	0	0	0	8.3	7	20	0	1	0	0	0	0	22.3	21	
09:30 - 09:45	6	0	0	0	0	0	1	6.2	7	13	0	1	0	0	0	2	15.7	16	
09:45 - 10:00	4	0	0	0	0	0	0	4.0	4	6	1	0	0	0	0	3	7.6	10	
Hourly Total	19	0	2	0	0	0	1	24	22	60	2	2	0	0	0	5	68	69	
Session Total	73	8	5	0	0	1	1	93	88	224	16	2	0	0	0	0	25	250	267
16:00 - 16:15	12	1	0	0	0	0	0	13.0	13	16	0	0	0	0	0	0	16.0	16	
16:15 - 16:30	4	0	0	0	0	0	0	4.0	4	8	1	0	0	0	0	2	9.4	11	
16:30 - 16:45	8	0	0	0	0	0	0	8.0	8	12	1	0	0	0	0	0	13.0	13	
16:45 - 17:00	5	0	0	0	0	0	0	5.0	5	12	3	0	0	0	0	1	15.2	16	
Hourly Total	29	1	0	0	0	0	0	30	30	48	5	0	0	0	0	3	54	56	
17:00 - 17:15	3	0	1	0	0	0	0	5.3	4	8	0	0	0	0	0	1	8.2	9	
17:15 - 17:30	10	1	0	0	0	0	0	11.0	11	12	4	0	0	0	0	2	16.4	18	
17:30 - 17:45	6	0	0	0	0	0	0	6.0	6	7	0	0	0	0	0	0	7.0	7	
17:45 - 18:00	1	0	0	0	0	1	0	1.4	2	11	1	0	0	0	0	0	12.0	12	
Hourly Total	20	1	1	0	0	1	0	23	23	38	5	0	0	0	0	3	44	46	
18:00 - 18:15	5	1	0	0	0	0	0	6.0	6	9	2	0	0	0	0	1	11.2	12	
18:15 - 18:30	3	1	0	0	0	0	1	4.2	5	5	0	0	0	0	0	0	5.0	5	
18:30 - 18:45	4	1	0	0	0	0	0	5.0	5	8	3	0	0	0	0	2	11.4	13	
18:45 - 19:00	4	1	0	0	0	0	0	5.0	5	4	0	0	0	0	0	1	4.2	5	
Hourly Total	16	4	0	0	0	0	1	20	21	26	5	0	0	0	0	4	32	35	
Session Total	65	6	1	0	0	1	1	73	74	112	15	0	0	0	0	10	130	137	

TIME	From D									To D								
	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL	CAR	LGV	OGV1	OGV2	BUS	M/CYCLE	P/CYCLE	PCU	TOTAL
07:00 - 07:15	9	4	1	0	0	0	2	15.7	16	8	2	0	0	0	0	0	10.0	10
07:15 - 07:30	23	3	2	1	0	0	3	33.5	32	4	3	0	0	0	0	0	7.0	7
07:30 - 07:45	37	3	0	0	0	0	2	40.4	42	13	2	0	0	1	0	1	17.2	17
07:45 - 08:00	39	2	0	0	0	1	3	42.0	45	20	1	1	0	0	0	0	23.3	22
Hourly Total	108	12	3	1	0	1	10	131	135	45	8	1	0	1	0	1	57	56
08:00 - 08:15	23	3	0	0	0	0	5	27.0	31	17	1	0	0	0	0	0	18.0	18
08:15 - 08:30	47	3	1	0	0	0	1	52.5	52	13	5	2	0	0	0	3	23.2	23
08:30 - 08:45	37	2	2	0	0	1	4	44.8	46	18	2	0	0	0	0	0	20.0	20
08:45 - 09:00	27	6	0	0	0	0	1	33.2	34	21	7	0	0	0	1	1	28.6	30
Hourly Total	134	14	3	0	0	1	11	157	163	69	15	2	0	0	1	4	90	91
09:00 - 09:15	24	1	2	0	0	0	0	29.6	27	16	4	2	0	0	0	0	24.6	22
09:15 - 09:30	27	3	2	0	0	0	0	34.6	32	16	0	0	0	0	0	0	16.0	16
09:30 - 09:45	22	0	2	0	0	0	3	27.2	27	9	1	0	0	0	0	1	10.2	11
09:45 - 10:00	10	1	0	0	0	0	3	11.6	14	20	3	1	0	0	0	0	25.3	24
Hourly Total	83	5	6	0	0	0	6	103	100	61	8	3	0	0	0	1	76	73
Session Total	325	31	12	1	0	2	27	391	398	175	31	6	0	1	1	6	223	220
16:00 - 16:15	33	1	0	0	0	0	0	34.0	34	35	2	1	0	0	1	3	40.3	42
16:15 - 16:30	13	1	0	0	0	0	2	14.4	16	27	2	0	0	0	0	3	29.6	32
16:30 - 16:45	21	1	0	0	0	0	0	22.0	22	45	1	0	0	0	0	2	46.4	48
16:45 - 17:00	18	4	0	0	0	0	3	22.6	25	32	4	0	0	0	0	2	36.4	38
Hourly Total	85	7	0	0	0	0	5	93	97	139	9	1	0	0	1	10	152	160
17:00 - 17:15	15	0	1	0	0	0	1	17.5	17	39	5	0	0	0	0	1	44.2	45
17:15 - 17:30	26	5	0	0	0	0	2	31.4	33	55	4	0	0	0	0	0	59.0	59
17:30 - 17:45	15	0	0	0	0	0	0	15.0	15	39	3	0	0	0	1	1	42.6	44
17:45 - 18:00	16	1	0	0	0	1	0	17.4	18	57	4	0	0	0	0	3	61.6	64
Hourly Total	72	6	1	0	0	1	3	81	83	190	16	0	0	0	1	5	207	212
18:00 - 18:15	17	3	0	0	0	0	1	20.2	21	33	0	0	0	0	1	4	34.2	38
18:15 - 18:30	10	1	0	0	0	0	2	11.4	13	30	2	0	0	0	1	1	32.6	34
18:30 - 18:45	13	4	0	0	0	0	2	17.4	19	29	0	0	0	0	0	2	29.4	31
18:45 - 19:00	10	1	0	0	0	0	1	11.2	12	19	2	0	0	0	0	0	21.0	21
Hourly Total	50	9	0	0	0	0	6	60	65	111	4	0	0	0	2	7	117	124
Session Total	207	22	1	0	0	1	14	234	245	440	29	1	0	0	4	22	476	496

Fishbourne - Manual Traffic Survey: Thursday, 27 June 2019

Produced by Streetwise Services Ltd.

Junction: A - (North) Salthill Road / B - (East) Clay Lane / C - (South) Salthill Road / D - (West) Clay Lane



Matrix Totals:

Show single Session:

Custom Start / End:

Show Peak Times:

Arm Destination

		A	B	C	D	Total	% Total
Arm Origin	A	0	284	894	240	1418	100.00%
	B	193	0	302	359	854	100.00%
	C	853	702	1	117	1673	100.00%
	D	162	404	77	0	643	100.00%
Total		1208	1390	1274	716		
% Total		100.00%	100.00%	100.00%	100.00%		

Classifications	Include
CAR	Yes
LGV	Yes
OGV1	Yes
OGV2	Yes
BUS	Yes
M/CYCLE	Yes
P/CYCLE	Yes

APPENDIX D. PIA Data

Clay Lane, Fishbourne – West Sussex – i-Transport

Collision report 01/10/2015 – 30/09/2020

Date produced
27 October 2020

This report is marked as **Official – Sensitive**

- The information included in this report is provided for analysis purposes and is for the exclusive use of the applicant, the information must only be used for the purposes for which it has been obtained.
- The data has been provided by Sussex Police and should not be transmitted to any other person without their consent, including reports for the general public.
- Be aware that any improper disclosure, copying, distribution or use of the contents of this information is prohibited and criminal proceedings may follow.

Sussex Safer Roads
P A R T N E R S H I P

Safer Roads
Safer Communities
Sharing the Responsibility

Produced by Sussex Safer Roads Partnership on behalf of Sussex Police

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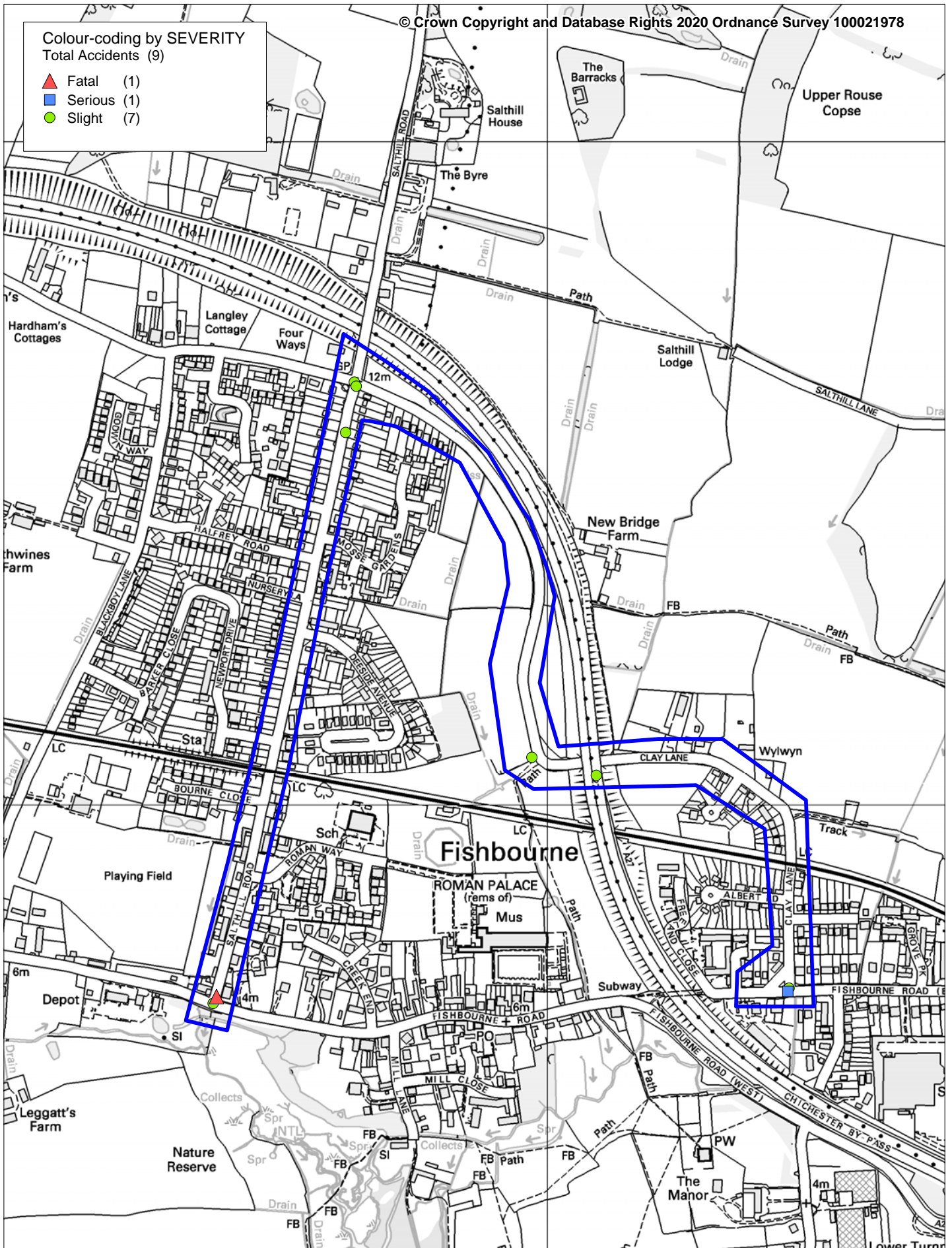
For further information:

web: www.sussexsaferroads.gov.uk

email: data@sussexsaferroads.gov.uk

Colour-coding by SEVERITY
Total Accidents (9)

- ▲ Fatal (1)
- Serious (1)
- Slight (7)



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Sussex Safer Roads
PARTNERSHIP

Clay Lane, Fishbourne
Collision data: 01/10/2015 to 30/09/2020

SCALE	1 : 7500
DATE	27/10/2020
DRAWING No.	
DRAWN BY	

Details of Personal Injury Accidents for Period - 01/10/2015 to 30/09/2020 (60) months

Selection:

Selected using Manual Selection

Notes:

Police Ref.	Day	Location Description	Vehicles				Casualties					
			Veh No	Type	Manv	Dir	Class	Sex	Age	Sev		
Road No.	Date											
2nd Road No.	Time											
Grid Ref.	D/L											
	R.S.C											
	Weather											
	Speed											
	Account of Accident											
Causation Factor:												

1602460 Thursday A27 FISHBOURNE 600M WEST OF A259
28/04/2016
R1: A 27 0740hrs
Daylight:street lights present
E 484,074 Dry
N 105,044 Fine without high winds
70 mph

Veh 1	Car	Going ahead	N to SE	Dri	M	45	Slight
Veh 2	Car	Going ahead	N to SE	Dri	M	78	Slight
Veh 3	Car	Change lane to left	N to SE				
Veh 4	Car	Going ahead	N to SE	Dri	M	54	Slight

Causation Factor:

1st: Careless/Reckless/In a hurry

Participant:

Vehicle 1

Confidence:

Very Likely

V4 TRAVELLING WEST ALONG DUAL CARRIAGEWAY SLOWS FOR QUEUING TRAFFIC. V3 TRAVELLING BEHIND V4 QUICKLY CHANGES FROM LANE 2 TO LANE 1. V1 THEN COLLIDES IN THE REAR OF V4 IN LANE 2. V2 THEN COLLIDES IN THE REAR OF V1.

1605678 Monday U SALTHILL ROAD FISHBOURNE AT JUNCTION OF U CLAY LANE
19/09/2016
R1: U 1949hrs
R2: U Darkness: street lighting unkno
E 483,709 Wet/Damp
N 105,637 Raining without high winds
30 mph

Veh 1	Car	Going ahead	E to W				
Veh 2	Car	Going ahead	S to N	Dri	F	66	Slight

Causation Factor:

1st: Careless/Reckless/In a hurry

Participant:

Vehicle 1

Confidence:

Very Likely

2nd: Junction overshoot

Vehicle 1

Very Likely

VEHICLE 1 TRAVELLING EAST TO WEST HAS OVERTAKEN VEHICLE IN FRONT IN A 30MPH AND CONTINUED ON FOR A FURTHER 200 METRES AND FAILED TO NOTICE THE GIVE WAY FOR THE CROSSROADS JUNCTION AND TRAVELLED ACROSS THE JUNCTION AND COLLIDED WITH VEHICLE 2 TRAVELLING N ORTHBOUND.

1607555 Tuesday U CLAY LANE CHICHESTER 525M WEST OF U ALBERT ROAD
13/12/2016
R1: U 1721hrs
Darkness: no street lighting
E 483,977 Wet/Damp
N 105,071 Fine without high winds
30 mph

Veh 1	Car	Going ahead RH bend	E to N	Dri	F	52	Slight
-------	-----	---------------------	--------	-----	---	----	--------

Causation Factor:

1st: Loss of control

Participant:

Vehicle 1

Confidence:

Very Likely

2nd: Careless/Reckless/In a hurry

Vehicle 1

Very Likely

VEH 1 LOSES CONTROL ON RIGHT HAND BEND IN WET CONDITIONS AND LEAVES THE ROAD TO THE NEAR SIDE AND COLLIDES WITH ROAD FURNITURE.

Details of Personal Injury Accidents for Period - 01/10/2015 to 30/09/2020 (60) months

Selection:

Selected using Manual Selection

Notes:

Police Ref.	Day	Location Description	Vehicles				Casualties					
			Veh No	Type	Manv	Dir	Class	Sex	Age	Sev		
Road No.	Date											
2nd Road No.	Time											
Grid Ref.	D/L											
	R.S.C											
	Weather											
	Speed											
	Account of Accident											

Causation Factor:

1701731 Tuesday U SALTHILL ROAD CHICHESTER AT JUNCTION OF U CLAY LANE
 28/03/2017 Veh 1 Car Turning left E to S
 Veh 2 Car Going ahead N to S Dri F 51 Slight
R1: U 1018hrs
R2: U Daylight:street lights present
E 483,712 Dry
N 105,631 Fine without high winds
 30 mph

Causation Factor:

1st: Failed to look properly

Participant:

Vehicle 1

Confidence:

Very Likely

VEHICLE 1 STOPPED AT THE JUNCTION OF CLAY LANE LOOKING TO TURN LEFT ONTO SALTHILL ROAD. AS VEHICLE 1 EDGED OUT THE FRONT END HAS COLLIDED WITH THE FRONT OF VEHICLE 2 TRAVELLING ALONG SALTHILL LANE AT JUNCTION WITH CLAY LANE. THERE IS NO OTHER DAMAGE TO OTHER VEHICLES OR PROPERTY AND AT THIS TIME ONLY ONE VERY SLIGHT INJURY TO PASSENGER OF VEHICLE 1.

1805313 Wednesday U CLAY LANE CHICHESTER AT JUNCTION OF U FISHBOURNE ROAD EAST
 26/09/2018 Veh 1 Goods < 3.5t Turning left N to E
 Veh 2 Pedal cycle Going ahead W to E Dri F 69 Slight
R1: U 0940hrs
R2: U Daylight:street lights present
E 484,365 Dry
N 104,723 Fine without high winds
 20 mph

V1 HAS EXITED CLAY LANE, TURNING LEFT ONTO FISHBOURNE ROAD EAST AND STRUCK THE REAR WHEEL OF V2 BICYCLE, KNOCKING HER OFF OF IT.

1806932 Wednesday U SALTHILL ROAD CHICHESTER 50M SOUTH OF U CLAY LANE OUTSIDE 54 SALTHILL ROAD
 12/12/2018 Veh 1 Car Going ahead N to S Dri F 26 Slight
 Veh 1 Car Going ahead N to S FSP F 19 Slight
 Veh 2 Car Going ahead N to S
R1: U 0830hrs
 Daylight:street lights present
E 483,696 Dry
N 105,561 Fine without high winds
 30 mph

Causation Factor:

1st: Following too close

Participant:

Vehicle 1

Confidence:

Very Likely

2nd: Failed to look properly

Vehicle 1

Very Likely

V1 AND V2 TRAVELLING SBOUND ON SALTHILL ROAD. V2 STOPS BEHIND PARKED CAR AS ROAD IS TOO NARROW TO PASS AND ALLOWS ONCOMING TRAFFIC TO PASS. V1 COLLIDES WITH THE REAR OF V2 CAUSING DAMAGE TO BOTH VEHICLES AND INJURY TO DRIVER OF V1 AND PASSENGER.

Details of Personal Injury Accidents for Period - 01/10/2015 to 30/09/2020 (60) months

Selection:

Selected using Manual Selection

Notes:

Police Ref.	Day	Location Description	Vehicles				Casualties		
			Veh No	Type	Manv	Dir	Class	Sex	Age
Road No.	Date								
2nd Road No.	Time								
Grid Ref.	D/L								
	R.S.C								
	Weather								
	Speed								
	Account of Accident								

Causation Factor:

0855019 Sunday FISHBOURNE ROAD (A259) AT JUNCTION WITH SALTHILL ROAD
 07/07/2019
R1: A 259 1256hrs
R2: U Daylight:street lights present
E 483,496 Wet/Damp
N 104,700 Raining without high winds
 30 mph

Causation Factor:

1st: Failed to look properly
2nd: Rain, sleet, snow, or fog
3rd: Poor turn or manoeuvre

Participant:

Vehicle 1
 Vehicle 1
 Vehicle 1

Confidence:

Very Likely
 Possible

V1 TRAVELLING WESTBOUND A259 THEN TURNING RIGHT INTO SALTHILL ROAD .VEH 1 DID NOT SEE VEH2 TRAVELLING EASTBOUND.VEH1 AND VEH2 COLLIDE, VEH2 RIDER LANDS ON BONNET VEH1.AND THEN ON TO BONNET VEH3 WHICH WAS STATIONARY AT THE JUNCTION

20938737 Saturday FISHBOURNE ROAD EAST AT JUNCTION WITH CLAY LANE
 07/03/2020
R1: U 0820hrs
R2: U Daylight:street lights present
E 484,363 Dry
N 104,718 Unknown
 20 mph

VEHICLE 1 WAS TRAVELLING ON A CYCLE PATH EASTWARDS IN FISHBOURNE ROAD EAST TOWARDS CHICHESTER. VEHICLE 2 WAS EXITING JUNCTION FROM CLAY LANE HITTING VEHICLE 1 CAUSING INJURY

19900708 Wednesday SALTHILL ROAD NEAR JUNCTION WITH FISHBOURNE ROAD (A259)
 20/11/2019
R1: U 1354hrs
R2: A 259 Daylight:street lights present
E 483,501 Dry
N 104,710 Fine without high winds
 30 mph

Causation Factor:

1st: Failed to look properly
2nd: Impaired by alcohol

Participant:

Vehicle 1
 Vehicle 1

Confidence:

Very Likely
 Very Likely

VEHICLE ONE, TWO AND THREE HEADING SOUTH TO JUNCTION. V1 HAS PREVIOUSLY OVER TAKEN V3 FURTHER UP THE ROAD. VEHICLE TWO TURNED LEFT TO TRAVEL EAST BOUND WHEN VEHICLE ONE PEDAL CYCLE UNDERTOOK VEHICLE TWO ON THE JUNCTION. IT IS BELIEVED THAT VEHICLE TWO HAS GOT TOO CLOSE TO CYCLIST CAUSING CYCLIST TO COME OFF AND SUFFER FATAL INJURIES. V3 HAS COME TO A REST AGAIN THE RIDER OF V1.

Clay Lane – Fishbourne – I-Transport

Collision report 01/09/2020 – 31/12/2021

Date produced
02 February 2022

This report is marked as **Official – Sensitive**

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P A R T N E R S H I P

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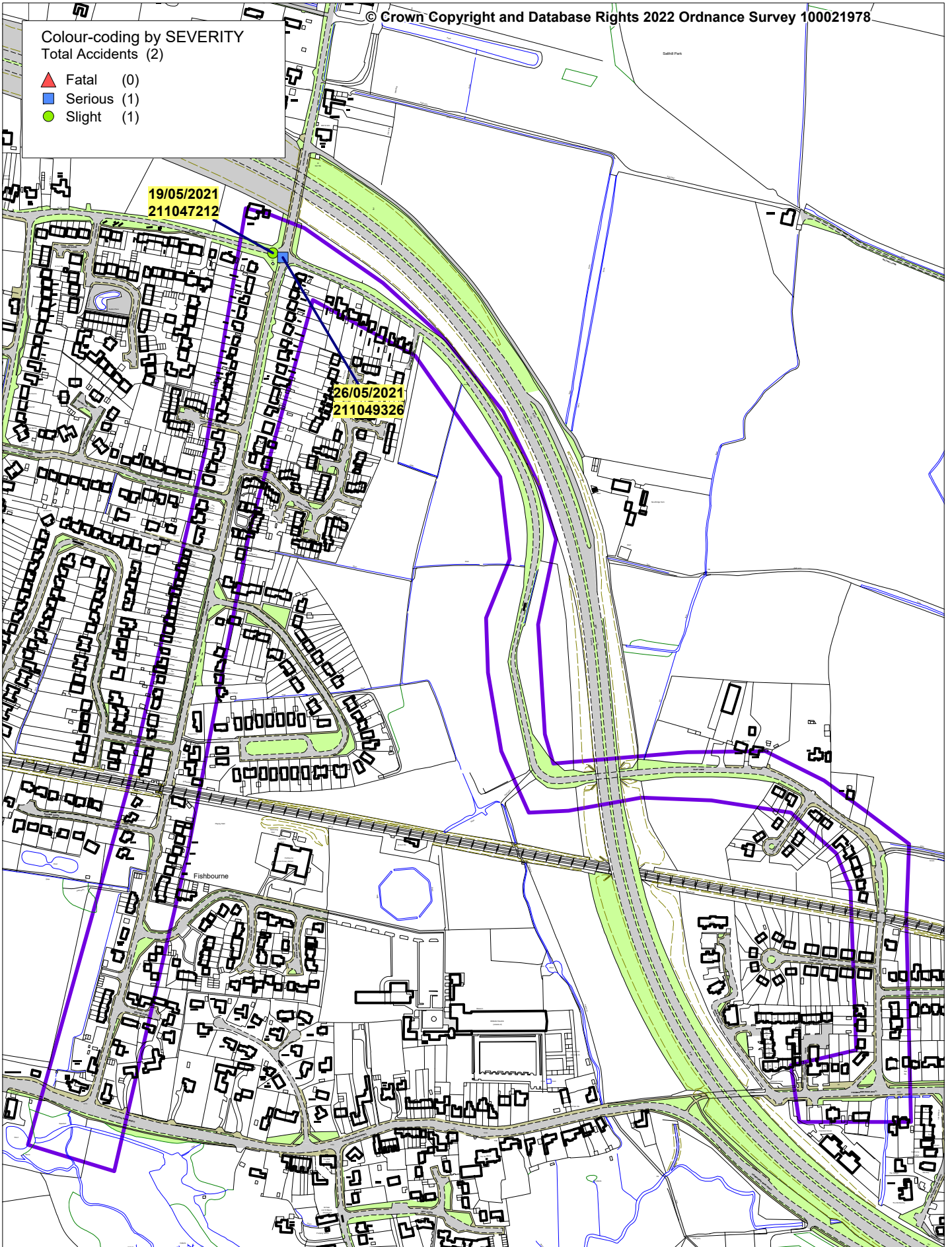
For further information:

web: www.sussexsaferroads.gov.uk

email: data@sussexsaferroads.gov.uk

Colour-coding by SEVERITY
Total Accidents (2)

- ▲ Fatal (0)
- Serious (1)
- Slight (1)



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SCALE	1 : 5500
DATE	02/02/2022
DRAWING No.	
DRAWN BY	

Details of Personal Injury Accidents for Period - 01/09/2020 to 31/12/2021 (16) months

Selection:

Selected using Manual Selection

Notes:

Police Ref.	Day	Location Description	Vehicles				Casualties		
			Veh No	Type	Manv	Dir	Class	Sex	Age
Road No.	Date								
2nd Road No.	Time								
Grid Ref.	D/L								
	R.S.C								
	Weather								
	Speed								
	Account of Accident								
Causation Factor:									

211047212 Wednesday CLAY LANE NEAR JUNCTION WITH SALTHILL ROAD
 19/05/2021
R1: U 1655hrs
R2: U Daylight:street lights present
E 483,698 Dry
N 105,641 Fine without high winds
 30 mph

Veh 1	Car	Starting	W to SE			
Veh 2	Car	Starting	W to SE	Dri	F 34	Slight

V2 WAS STATIONARY IN QUEING TRAFFIC AT TEMP TRAFFIC LIGHTS IN SALTHILL ROAD, CHICHESTER. V2 STATES WHEN THE TRAFFIC LIGHTS TURNED GREEN THE VEHICLE IN FRONT OF THEM STALLED, V1 WHOM WAS BEHIND V2 DROVE INTO THE BACK OF V1 CAUSING DAMGE.

211049326 Wednesday CLAY LANE AT JUNCTION WITH SALTHILL ROAD
 26/05/2021
R1: U 0925hrs
R2: U Daylight:street lights present
E 483,709 Dry
N 105,636 Other
 30 mph

Veh 1	Car	Starting	W to E	Dri	F 55	Slight
Veh 2	Goods < 3.5t	Going ahead	N to S	Dri	M 46	Serious

Causation Factor:

1st: Failed to look properly
2nd: Temporary road layout (eg contraflow)

Participant:

Vehicle 1
 Vehicle 1

Confidence:

Very Likely
 Very Likely

TRAFFIC LIGHTS FOR ROAD WORKS PREVIOUSLY CONTROLLED THE WHOLE CROSSROADS BETWEEN CLAY LANE AND SALTHILL ROAD. HAVE RECENTLY CHANGED TO JUST A SHORT PIECE OF CLAY LANE. DRIVER OF RED CAR WAITED AT RED LIGHT AND WHEN IT TURNED GREEN DROVE STRAIGHT OVER ONTO THE JUNCTION WITH SALTHILL ROAD THINKING IT WOULD BE CLEAR BECAUSE OF THE LIGHTS. A BLUE VAN WAS HEADING SOUTH ON SALTHILL ROAD AND THE CAR COLLIDED WITH THE SIDE OF THE VAN, WHICH THEN LOST CONTROL AND ROLLED ONTO ITS SIDE ONTO THE OTHER SIDE OF THE ROAD.

APPENDIX E. Bus Service 56 Timetable

MONDAY TO FRIDAY (excluding Bank Holidays)

	56	56	655	56	56	56	56	56	56	56	56	56	56
	Sch	NSch	Sch	Nsch	Sch					Sch	NSch	Sch	
Southbourne The Bourne College	-	-	-	-	-	-	-	-	-	-	-	1455	-
Bosham White Swan	-	-	-	-	-	-	-	-	-	-	-	1507	-
Bosham Primary School	-	-	-	-	-	-	-	-	-	-	-	1511	-
Old Bosham Car Park	-	-	-	0755	0820	0930	1100	1225	1350	1350	1520	1645	1810
Bosham White Swan	-	-	-	0800	0825	0936	1105	1230	1355	1355	1525	1650	1814
Fishbourne Deeside Avenue	-	-	-	0806	0831	0943	1110	1235	1400	1400	1530	1655	1817
Fishbourne Tesco Footpath	-	-	-	0811	0836	0948	1114	1239	1404	1404	1534	1659	1821
Chichester Cathedral [P]	-	-	-	-	0844	0955	1120	1245	1410	1410	1540	1705	1825
Chichester Bus Station [7]	0705	0705	-	0827	0848	1003	1128	1253	1414	1418	1548	1713	1830
Chichester Adelaide Rd	0708	0708	-	0830	-	1008	1133	1258	-	1423	1553	1718	1833
St James Road Farndell Close	0710	0710	-	0833	-	1011	1136	1301	-	1426	1556	1721	1835
Arundel Park Windsor Rd	0715	0715	0815	0839	-	1016	1141	1306	-	1431	1601	1726	1838
Chichester Bus Station [7]	0725	0725	0830	0850	0850	1030	1155	1320	1420	1445	1615	1740	1845
Chichester Cathedral [C1]	0729	0729	-	0854	0854	1034	1159	1324	1424	1449	1619	1744	-
Fishbourne Tesco Footpath	0734	0734	-	0901	0900	1040	1205	1330	1430	1455	1625	1750	-
Fishbourne Deeside Avenue	0738	0738	-	0905	0904	1044	1209	1334	1434	1459	1629	1754	-
Bosham White Swan	-	0743	-	0910	0910	1050	1215	1340	1440	1505	1635	1800	-
Old Bosham Car Park	-	0748	-	0915	0915	1055	1220	1345	-	1510	1640	1805	-
Bosham White Swan	0743	-	-	-	-	-	-	-	-	-	-	-	-
Bosham Primary School	0747	-	-	-	-	-	-	-	-	-	-	-	-
Southbourne The Bourne College	0803	-	-	-	-	-	-	-	1452	-	-	-	-

Note

Sch - This journey runs on school days only.

NSch - This journey runs on school holidays only.



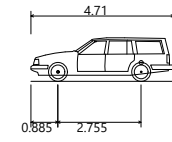
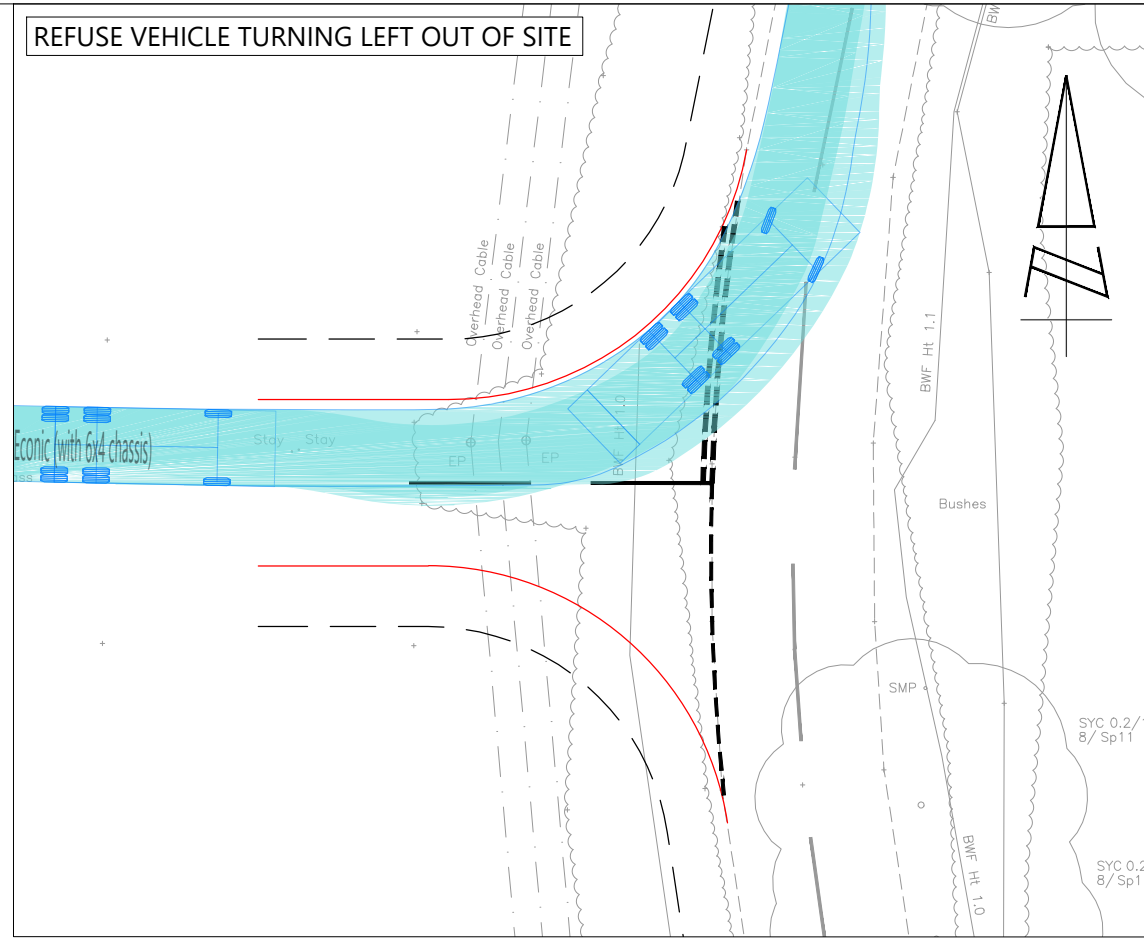
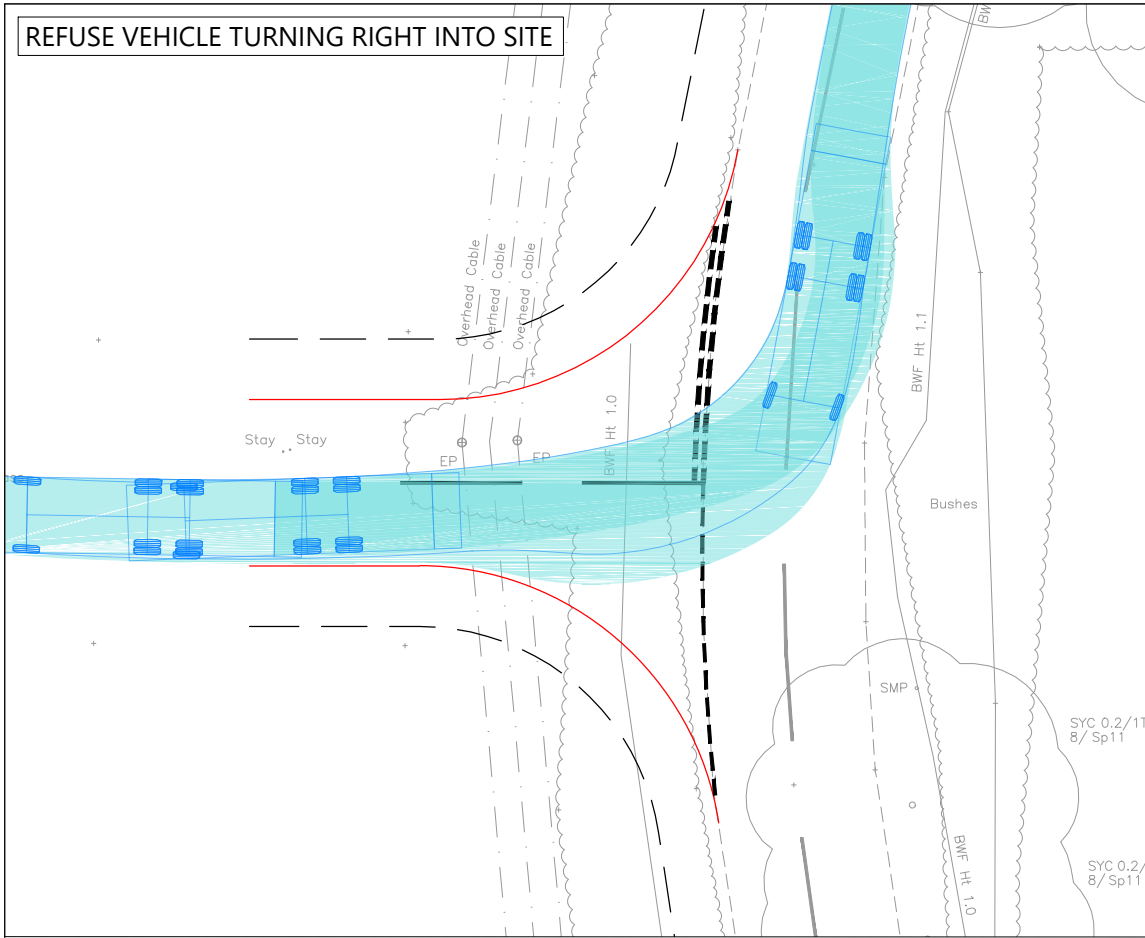
You can also check journey information by going online at stagecoachbus.com, or by signing up for email updates.

SATURDAYS								
	56	56	56	56	56	56	56	56
Old Bosham Car Park	0815	0930	1100	1225	1350	1520	1645	1810
Bosham White Swan	0820	0936	1105	1230	1355	1525	1650	1814
Fishbourne Deeside Avenue	0825	0943	1110	1235	1400	1530	1655	1817
Fishbourne Tesco Footpath	0829	0948	1114	1239	1404	1534	1659	1821
Chichester Cathedral [P]	0834	0955	1120	1245	1410	1540	1705	1825
Chichester Bus Station [7] 	0842	1003	1128	1253	1418	1548	1713	1830
Chichester Adelaide Rd	0845	1008	1133	1258	1423	1553	1718	1833
St James Road Farndell Close	0848	1011	1136	1301	1426	1556	1721	1835
Arundel Park Windsor Rd	0852	1016	1141	1306	1431	1601	1726	1838
Chichester Bus Station [7] 	0900	1030	1155	1320	1445	1615	1740	1845
Chichester Cathedral [C1]	0904	1034	1159	1324	1449	1619	1744	-
Fishbourne Tesco Footpath	0910	1040	1205	1330	1455	1625	1750	-
Fishbourne Deeside Avenue	0914	1044	1209	1334	1459	1629	1754	-
Bosham White Swan	0920	1050	1215	1340	1505	1635	1800	-
Old Bosham Car Park	0925	1055	1220	1345	1510	1640	1805	-

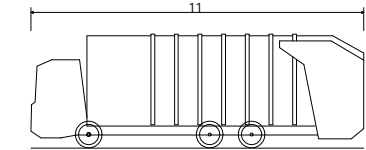


You can also check journey information by going online at stagecoachbus.com, or by signing up for email updates.

APPENDIX F. Site Access – Swept Path Analysis

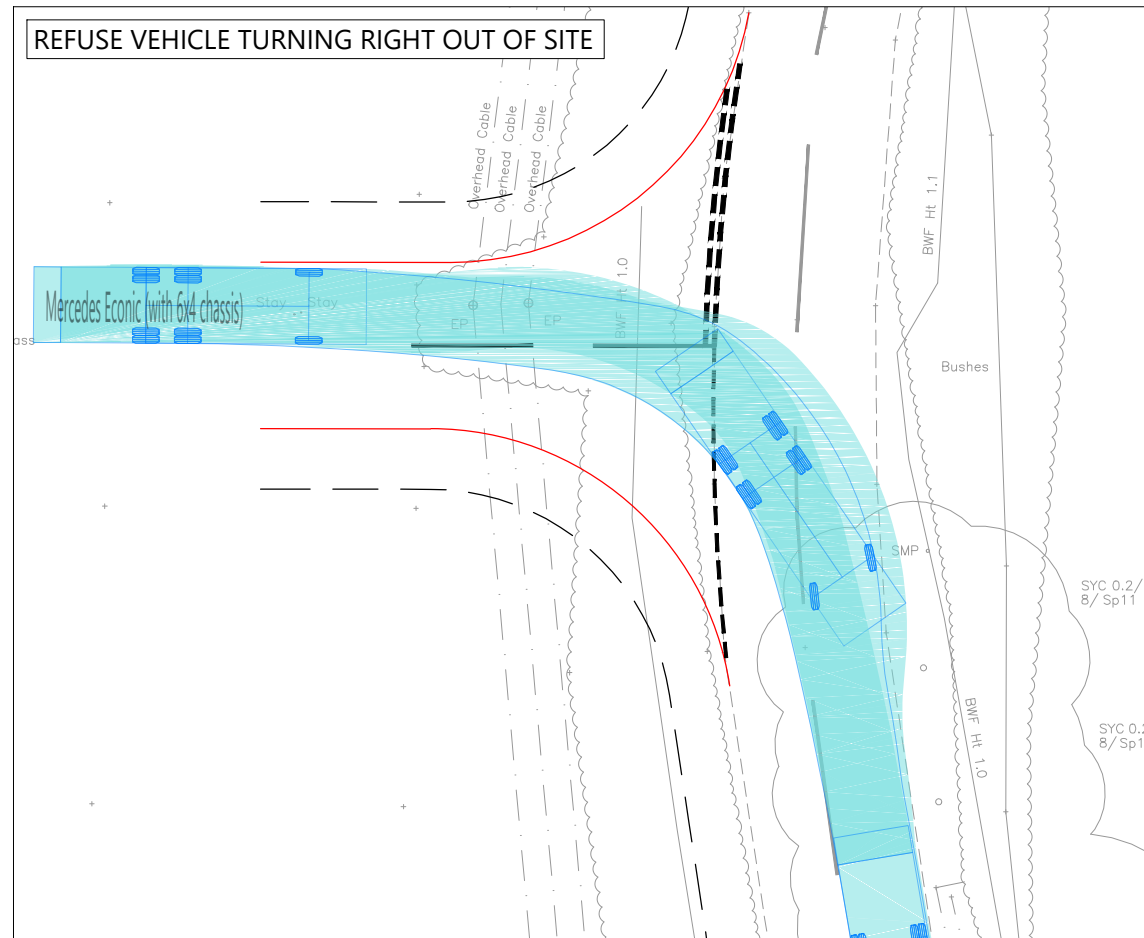
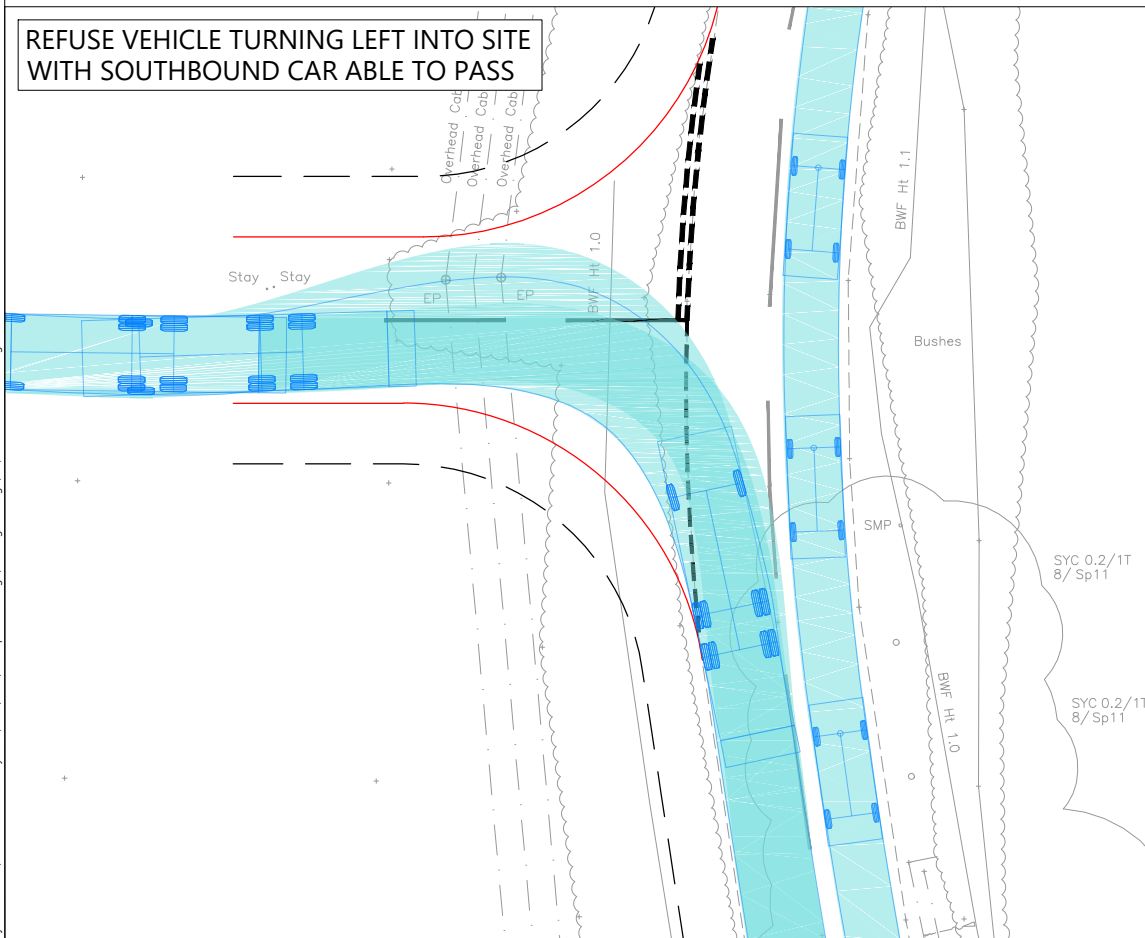


Estate Car
 Overall Length 4.710m
 Overall Width 1.804m
 Overall Body Height 1.442m
 Min Body Ground Clearance 0.207m
 Max Track Width 1.756m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 5.950m



Mercedes Econic (with 6x4 chassis)
 Overall Length 11.000m
 Overall Width 2.500m
 Overall Body Height 3.760m
 Min Body Ground Clearance 0.304m
 Track Width 2.500m
 Lock to lock time 4.00s
 Kerb to Kerb Turning Radius 9.000m

REV	DATE	BY	DESCRIPTION	CHK	APD
C	11.03.22	JD	VEHICLE TRACKS AMENDED	GT	MG
B	04.05.21	SH	SITE ACCESS UPDATED	MG	MG
A	19.04.21	SH	SITE ACCESS UPDATED	MG	MG



STATUS: FOR INFORMATION



The Square, Basing View, Basingstoke, Hampshire, RG21 4EB
 Tel: 01256 637940
 www.i-transport.co.uk

TITLE: SWEPT PATH ANALYSIS - REFUSE VEHICLE

PROJECT: LAND AT CLAY LANE, FISHBOURNE

CLIENT: GLEESON LAND

DRAWN: JD	CHECKED: ZB	APPROVED: MG
PROJECT No: ITB12230	SCALE @ A3: 1:250	DATE: 12.11.20

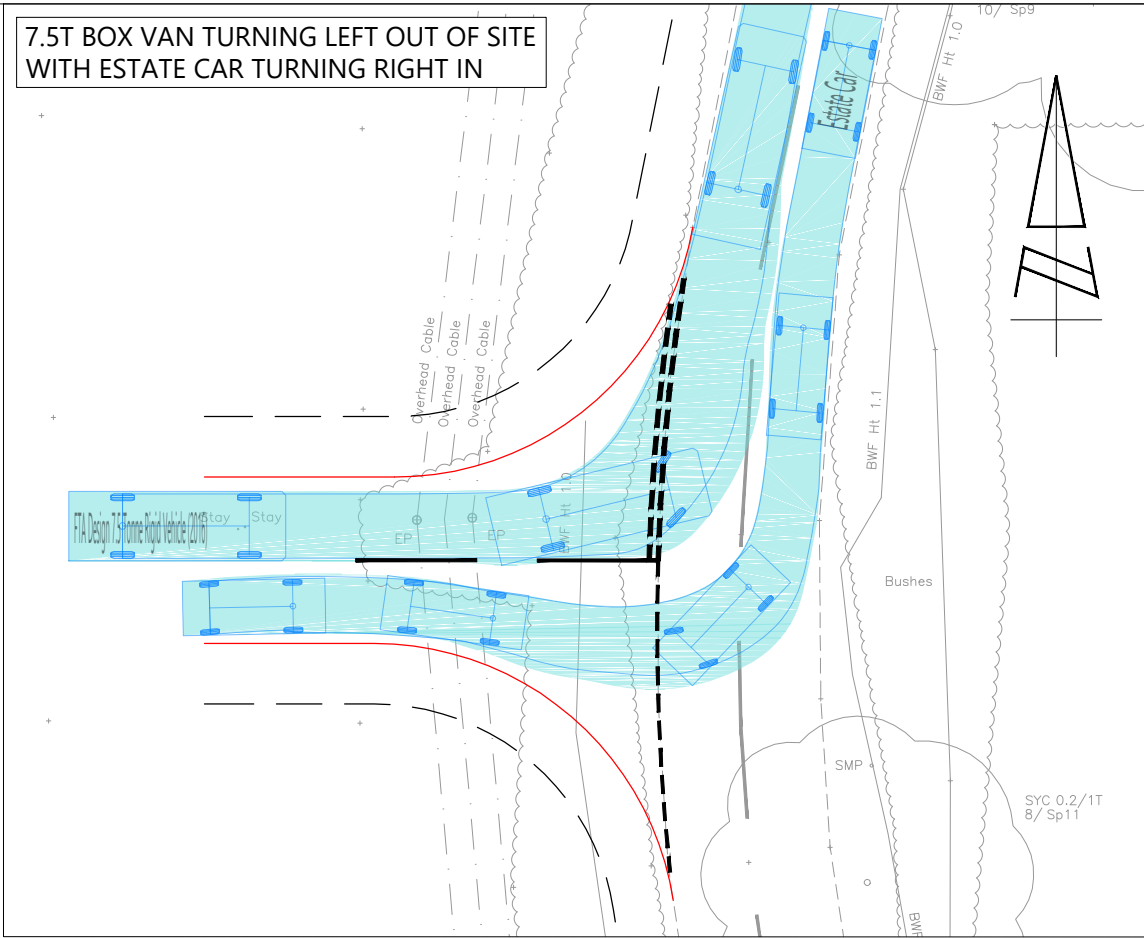
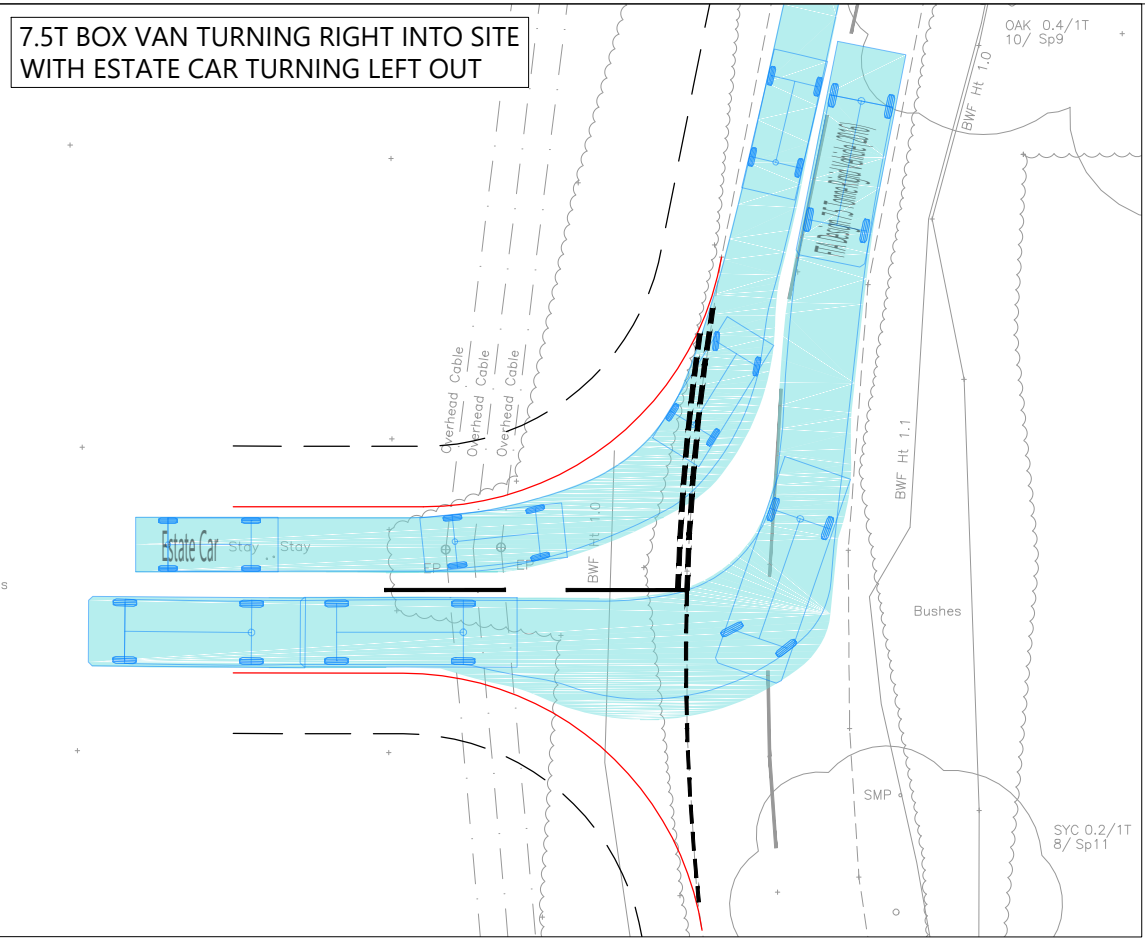
DRAWING No: ITB12230-GA-015
 REV: C

T:\Projects\12000 Series\Project Numbers\12230\12230\12230\12230-GA-015.dwg

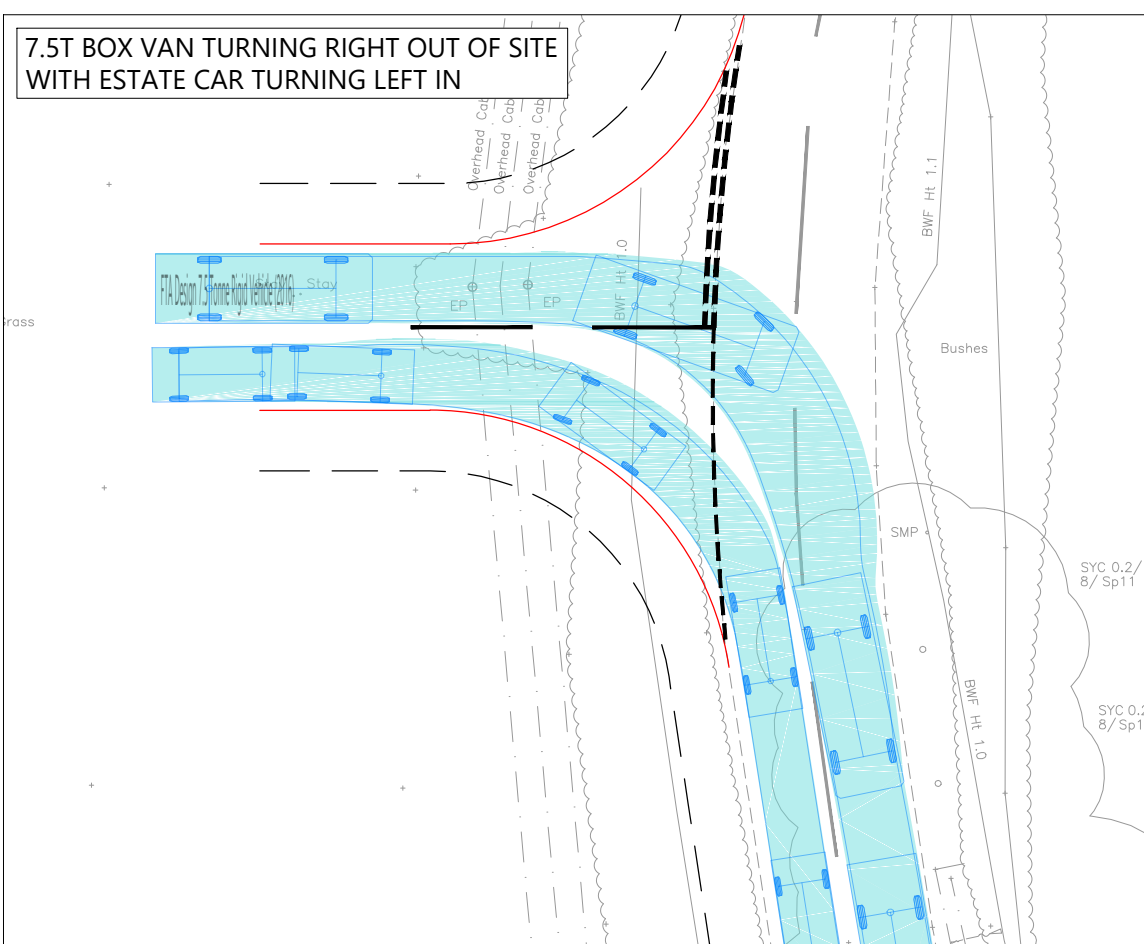
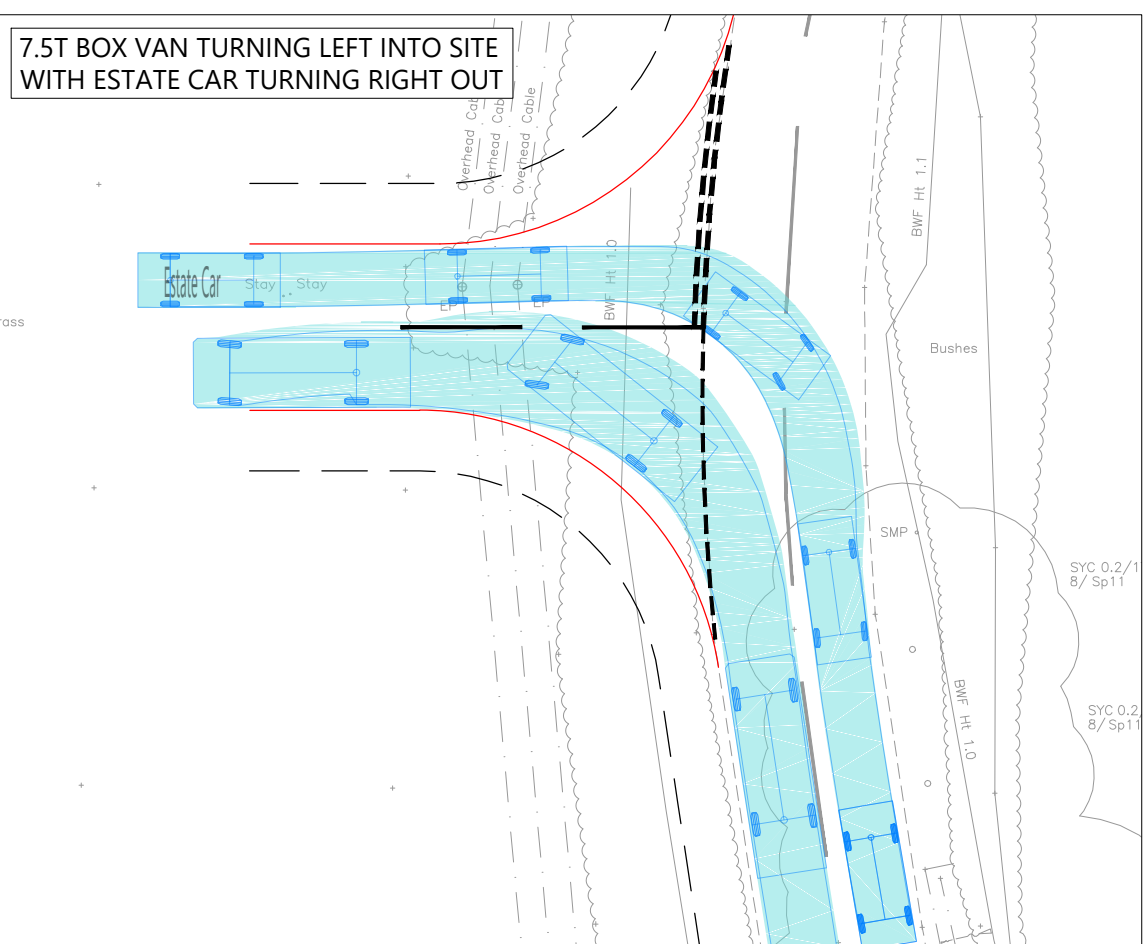
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FTA Design 7.5 Tonne Rigid Vehicle (2016)	
Overall Length	7.170m
Overall Width	2.300m
Overall Body Height	3.580m
Min Body Ground Clearance	0.375m
Track Width	2.120m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	7.000m
Estate Car	
Overall Length	4.710m
Overall Width	1.804m
Overall Body Height	1.442m
Min Body Ground Clearance	0.207m
Max Track Width	1.756m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	5.950m



A	04.05.21	SH	SITE ACCESS UPDATED	MG	MG
REV	DATE	BY	DESCRIPTION	CHK	APD

STATUS: FOR INFORMATION

Grove House, Lutyens Close, Chineham Basingstoke, Hampshire, RG24 8AG
 Tel: 01256 338640
www.i-transport.co.uk

TITLE: SWEPT PATH ANALYSIS - 7.5T BOX VAN & ESTATE CAR

PROJECT: LAND AT CLAY LANE, FISHBOURNE

CLIENT: GLEESON LAND

DRAWN: JD	CHECKED: ZB	APPROVED: MG
PROJECT No: ITB12230	SCALE @ A3: 1:250	DATE: 12.11.20

DRAWING No: ITB12230-GA-016 REV: A

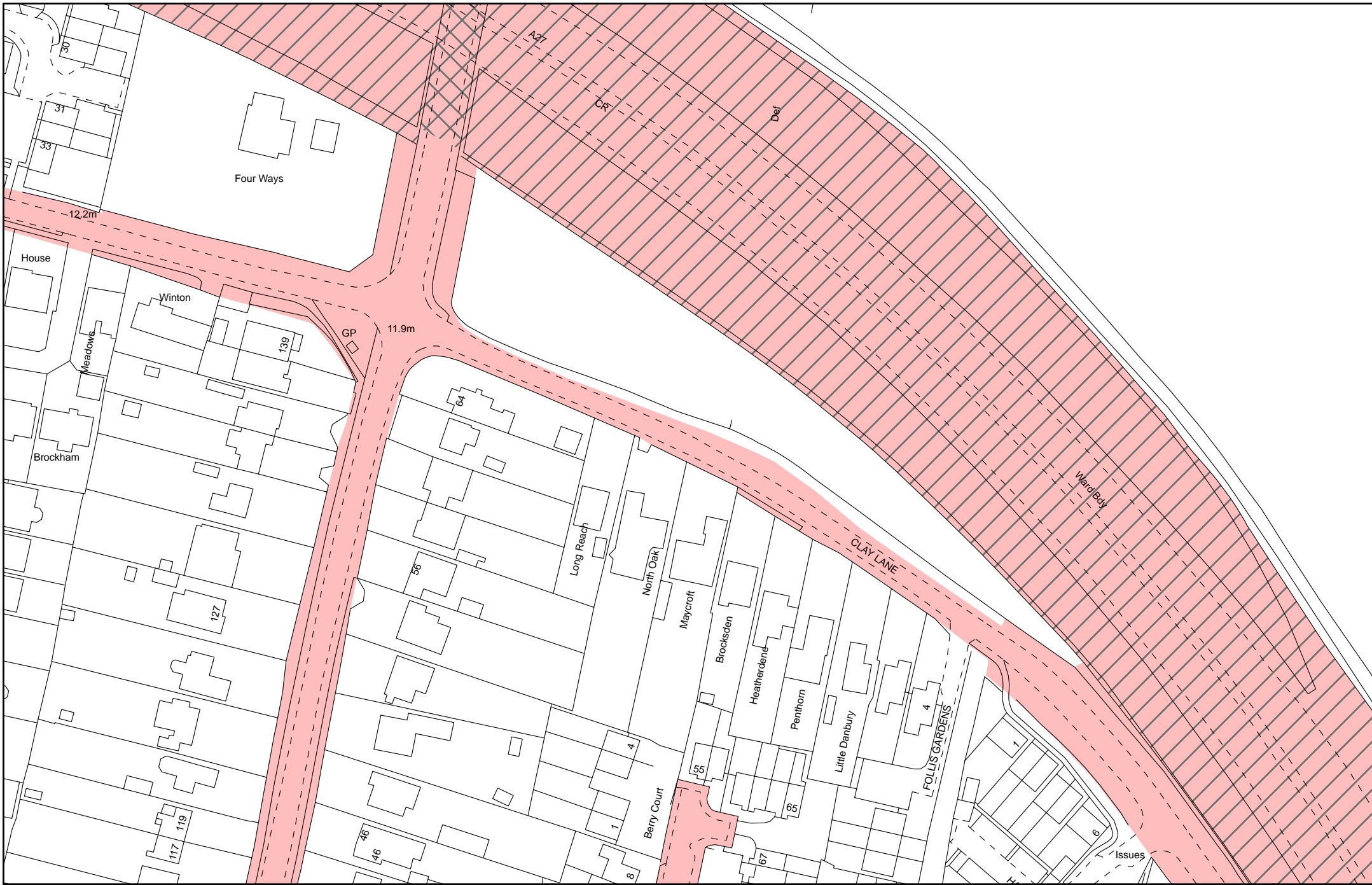
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APPENDIX G. Highway Boundary Data



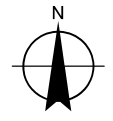
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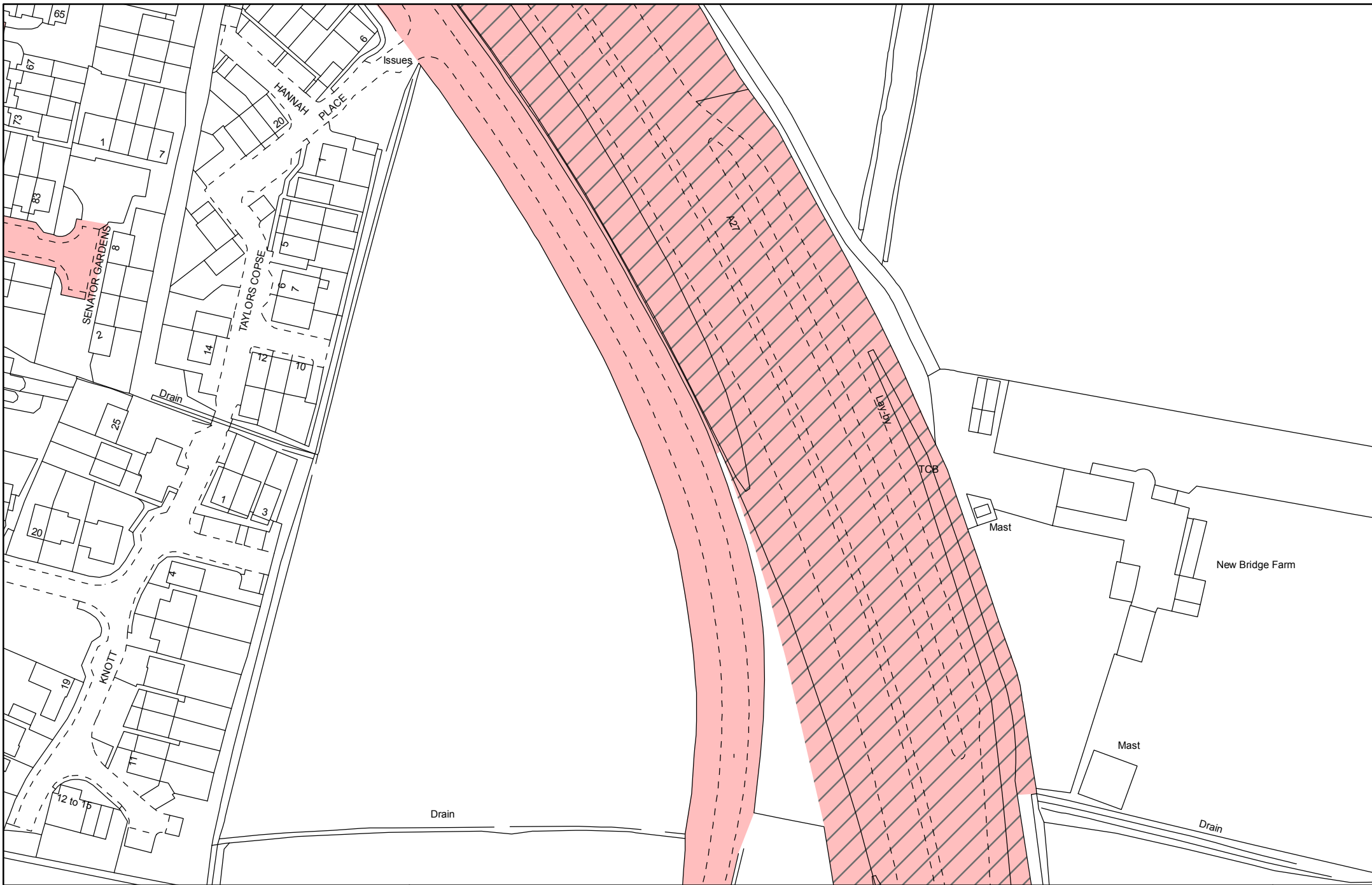
Local Development
for Customers and Communities

Information about the status of a highway, and in some circumstances the extent of the highway, may be taken from a number of sources held by the County Council. Unless taken from a legal agreement the information should be regarded as guidance only.

Date: 29/04/2019

Scale: 1:1,250





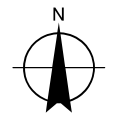
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Local Development
for Customers and Communities

Information about the status of a highway, and in some circumstances the extent of the highway, may be taken from a number of sources held by the County Council. Unless taken from a legal agreement the information should be regarded as guidance only.

Date: 30/04/2019

Scale: 1:1,250





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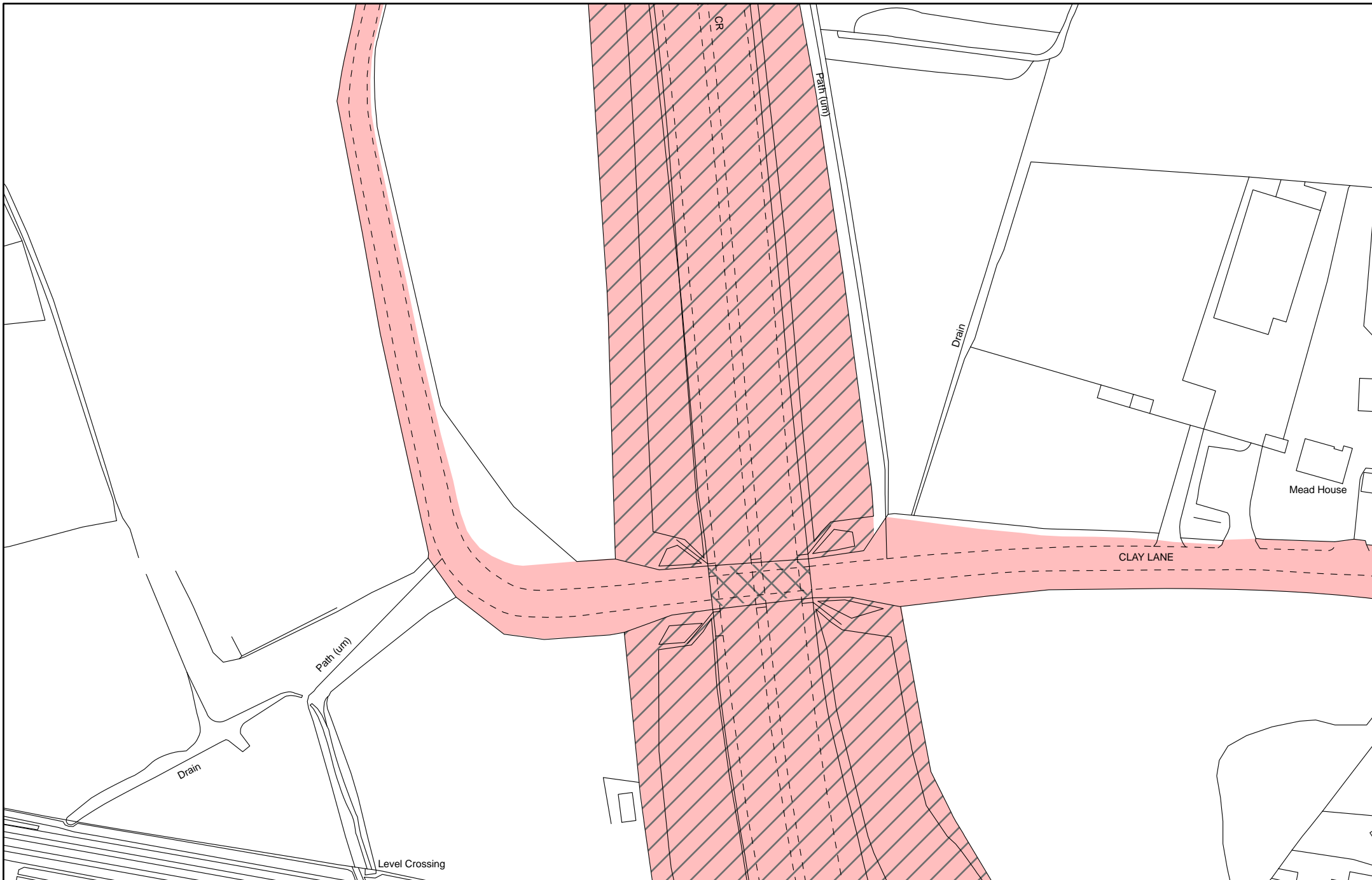
Local Development
for Customers and Communities

Information about the status of a highway, and in some circumstances the extent of the highway, may be taken from a number of sources held by the County Council. Unless taken from a legal agreement the information should be regarded as guidance only.

Date: 30/04/2019

Scale: 1:1,250



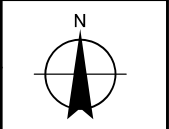


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Local Development
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Information about the status of a highway, and in some circumstances the extent of the highway, may be taken from a number of sources held by the County Council. Unless taken from a legal agreement the information should be regarded as guidance only.

Date: 29/04/2019
 Scale: 1:1,250



APPENDIX H.RSA and Designers Response

Road Safety Audit Report

**Incorporating
Stage 1 Completion of Preliminary Design;
Design Organisation Response to items raised.**



Proposed Priority Access off and Highway Works along Clay Lane Fishbourne

Client:
i-Transport

Client reference:
ITB12230

Fenley
2 Blaenant
Emmer Green
READING
RG4 8PH

E: office@fenley.co.uk
www.fenley.co.uk

Report Status 3

Job no	RSA-21-204	Issue no	3	Date	March 2022
Prepared by	JJF	Verified by	FB	Approved by	JJF
Filename and Path	Fenley/Road Safety Audits/RSA-21/RSA-21-204-3				

1.0 PROJECT DETAILS

Report Title:	Stage 1 Road Safety Audit
Date:	March 2022
Document reference and revision:	RSA-21-204-3
Prepared by:	Fenley Road Safety Limited
On behalf of the Overseeing Organisation:	West Sussex County Council
Design Organisation:	i-Transport LLP
Project Sponsor:	Gleeson Land

REV	ISSUE PURPOSE	AUTHOR	CHECKED	APPROVED	DATE
0	Stage 1 Road Safety Audit drafted for Audit Team discussions	JJF			7 th March 2022
1	Stage 1 Road Safety Audit finalised and issued to the Design Organisation	JJF	FB	JJF	9 th March 2022
2	Stage 1 Road Safety Audit Report format amended to incorporate a row for inclusion of a Design Organisation Response in order to maintain a concise record of items raised	JJF			9 th March 2022
3	Design Organisation Response incorporated	George Taylor on behalf of i-Transport			14 th March 2022

Contents:

1.0	Project Details	1
2.0	Introduction	2
3.0	Items Raised in any previous Road Safety Audits	3
4.0	Items Raised in this Stage 1 Road Safety Audit	4
	A.1 Alignment	
	A.2 General	
	A.3 Junctions	
	A.4 Walking, Cycling and Horse Riding	
	A.5 Road Signs, Carriageway Markings and Lighting	
5.0	Audit Team Statement	6

Appendices:

Stage 1	A1	Documents and Drawings provided for this Road Safety Audit
	A2	Item Location Plan
	A3	Drawings associated with the Design Organisation Response

2.0 INTRODUCTION

2.1 This report has been prepared by Fenley Road Safety Limited and results from a Stage 1 Road Safety Audit of a proposed access off and highway works along Clay Lane in Fishbourne. The proposed access takes the form of a priority junction with 10 metre corner radii that meets the Clay Lane carriageway on the outside of a bend in the road. As part of the works, it is proposed to provide a 1.5 metre footway connection between the existing footway network to the southeast and the edge of the site frontage. The scheme drawings provided with the Audit Brief, identify that surface water / highway drainage, street furniture, utility covers and all signage / lighting to be addressed at detailed design stage. The proposals are to facilitate access to a residential development of up to 105 dwellings.

2.2 The Audit Brief identifies that the proposals do not include any Departures from Standard, whether related to strategic decisions or otherwise.

2.3 This Road Safety Audit was undertaken during March 2022 in accordance with the Road Safety Audit Brief and further information provided on the 23rd February 2022 by the Design Organisation, i-Transport, on behalf of the Project Sponsor, Gleeson Land. The Road Safety Audit comprised of a site visit as well as an examination of the documents provided which are identified in **Appendix A1**. The Audit Team were satisfied that that the Audit Brief was sufficient for the purpose of the Audit instructed.

2.4 The Road Safety Audit has been undertaken by an Audit Team whose qualifications and experience accord with the requirements of GG119. The Audit Team consists of the following members:

Audit Team Leader

Jamie Fenning *BSc(Hons), MIHE, MCIHT, MSoRSA, Highways England RSA Certificate of Competency*
Road Safety / Highway Engineer

Audit Team Member

Farouk Bhatti *MCIHT*
Road Safety Auditor

2.5 The site visit associated with this Road Safety Audit was undertaken during the afternoon of 23rd November 2020 during the hours of darkness following receipt of initial scheme drawings and Monday 19th April 2021 between 2:30pm and 3:30pm. The site visits involved walking and driving around the local highway network for a 60-minute period whilst observing local infrastructure and current off-peak traffic conditions. The weather during the site visit was sunny, the road surface was dry and visibility was good. A pedestrian was observed walking along the verge of Clay Lane during the site visit as were cyclists on the carriageway. Vehicular traffic to include cars, light goods vehicles and a passenger service vehicle were also observed, the traffic flow was light.

- 2.6 The terms of reference of this Road Safety Audit are as described in GG119. The scheme has been examined and this report compiled, only with regard to the safety implications for road users of the scheme as presented. It has not been examined or verified for compliance with any other standards or criteria. However, in order to clearly explain a safety problem or the recommendation to resolve a problem, the Audit Team may on occasion have referred to a design standard for information only. All comments and recommendations are referenced to the design drawings supplied with the Audit Brief and the location of road safety concerns raised have been illustrated beneath the items along with relevant photographs for clarity, where appropriate, as well as on the Location Plan attached at **Appendix A2**.


Design Organisation Response

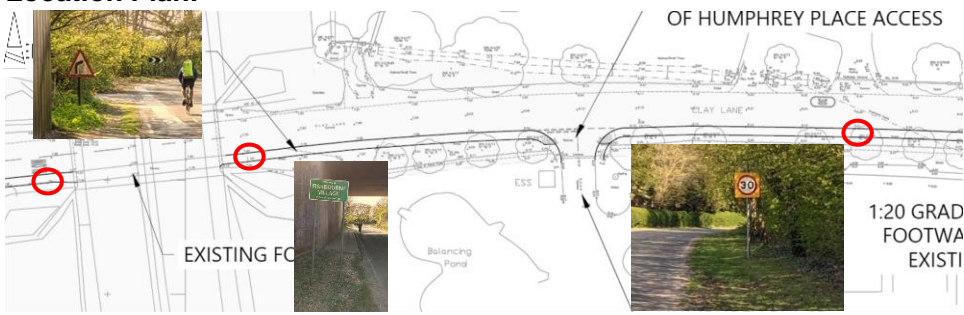
- 2.7 In accordance with national standards, this Road Safety Audit was finalised and issued to the Design Organisation as per the Road Safety Audit Report Template within Appendix D of GG119, which can be provided upon request from either the Audit Team or Design Organisation. The format of the Audit Report was subsequently revised to incorporate these paragraphs under the sub-heading as well as sufficient space beneath the items and recommendation, within Section 4, for the inclusion of a Design Organisation Response. This is generally contained within a separate Design Organisation Response Report but is included within this document in order to maintain a single record of all problems, recommendations and responses for the benefit of a concise Road Safety Audit trail to be held on file for Quality Assurance purposes.
- 2.8 The Design Organisation Response has been prepared by:
- | | |
|--------------------------|---------------------------------------|
| Name: | George Taylor |
| Position / Organisation: | Principal Consultant, i-Transport LLP |
- 2.9 Any drawings or documents associated with the Design Organisation Response are listed at **Appendix A3**, if applicable.

3.0 ITEMS RAISED IN ANY PREVIOUS ROAD SAFETY AUDITS

- 3.1 Fenley Road Safety Limited undertook a Stage 1 Road Safety Audit of the current proposals in April 2021. The Design Organisation Response associated with the Audit, addressed some of the road safety concerns raised. This Stage 1 Road Safety Audit fully reassesses the scheme presented and raises any road safety concerns that are present, whether raised previously or not.

4.0 ITEMS RAISED AT THIS STAGE 1 ROAD SAFETY AUDIT

A.1	LOCAL ALIGNMENT
	<i>No Road Safety Concerns regarding LOCAL ALIGNMENT have been raised at this stage</i>
A.2	GENERAL
	<i>No Road Safety Concerns in GENERAL have been raised at this stage</i>
A.3	JUNCTIONS
A.3.1	PROBLEM
Location:	Clay Lane
Summary:	Refuse Collection Vehicles encroach the opposing lane of Clay Lane when turning left into the proposed access
Acc Type:	Sideswipe type collisions
<p>Clay Lane is a single carriageway two-way road that is rural in nature, derestricted and is circa 5 metres wide in proximity of the junction. Speed survey data provided within the Audit Brief identifies that observed 85th percentile speeds equate to 34.5mph northbound and 36.69mph southbound. The proposals that are subject to this Stage 1 Road Safety Audit include the provision of a priority access off the western side of Clay Lane. The proposed priority access is to be situated on the outside of a bend to optimise visibility and formed with 10 metre corner radii serving a 5.5 metre access road. The development associated with the proposals comprises circa 105 dwellings which will be serviced at least weekly by a refuse / recycling collection vehicle (RCV). No swept path analysis has been provided with the Audit Brief. Whilst the driver of a RCV will not encroach the opposing lane of traffic when vehicles are observed, the Audit Team have concerns that the rear overhang of a northbound RCV turning left into the proposed access, will swing out into the opposing southbound lane of traffic. This will not be expected by the driver of a southbound vehicle and could lead to sideswipe type collisions.</p>	
RECOMMENDATION:	
It is recommended that the proposed access is adequate for the expected vehicles	
Location Plan:	
	
<p>DESIGN ORGANISATION RESPONSE provided by i-Transport on 14th March 2022 following formal issue of this Stage 1 Road Safety Audit on the 9th March 2022</p>	
<p>Accepted –As illustrated on drawing ITB12230-GA-015C, the geometry of the proposed access is adequate for a large refuse collection to ingress and egress without obstructing a vehicle proceeding southbound or requiring a southbound vehicle to deviate from its path.</p>	

A.4	WALKING CYCLING AND HORSE RIDING
A.4.1	PROBLEM
Location:	East of existing bridge underpass
Summary:	Existing road sign is present within the proposed footway
Acc Type:	Pedestrian street furniture strike fall and personal injury
<p>To the southeast of the site, Clay Lane passes beneath the A27 two-lane dual carriageway where a “Welcome to Fishbourne Village” sign is present and approximately 200 metres to the east, becomes subject to a 30mph speed limit. The proposals that are subject to this Stage 1 Road Safety Audit include the provision of a priority access off the west side of Clay Lane as well as a footway between the south of the site and existing footway network to the southeast. A number of items of street furniture to include the “Welcome to Fishbourne Village” and speed limit gateway signs, are present where the footway is to be provided and will be an obstruction to pedestrians which could lead to falls and personal injuries or vehicle pedestrian collisions should one enter the carriageway suddenly.</p>	
RECOMMENDATION:	
It is recommended that at obstructions within the footway are relocated / adjusted appropriately	
Location Plan:	
 <p>The location plan shows Clay Lane with Humphrey Place Access. It identifies an existing footway and a 30mph speed limit sign. Two red circles on the map indicate the locations of the speed limit sign and a 'Welcome to Fishbourne Village' sign. Photos show the speed limit sign and a footway with a 'Welcome to Fishbourne Village' sign.</p>	
<p>DESIGN ORGANISATION RESPONSE provided by i-Transport on 14th March 2022 following formal issue of this Stage 1 Road Safety Audit on the 9th March 2022</p>	
<p>Accepted – As stated within the notes on the scheme drawing, such matters will be dealt with through the detailed design of the scheme.</p>	
A.5	ROAD SIGNS, CARRIAGEWAY MARKINGS AND LIGHTING
<p><i>No Road Safety Concerns regarding ROAD SIGNS, CARRIAGEWAY MARKINGS AND STREET LIGHTING have been raised at this stage</i></p>	

5.0 STAGE 1 ROAD SAFETY AUDIT TEAM STATEMENT

5.1 We certify that this Road Safety Audit has been carried out in accordance with GG119.

Audit Team Leader

Name: **Jamie Fenning** *BSc (Hons), MIHE, MCIHT, MSoRSA, HE RSA Certificate of Competency*

Signed:



Position: Road Safety / Highway Engineer

Organisation: Fenley Road Safety Limited

Date: 9th March 2022

Audit Team Member

Name: **Farouk Bhatti** *MCIHT*

Signed:



Position: Road Safety Engineer

Organisation: Fenley Road Safety Limited

Date: 9th March 2022

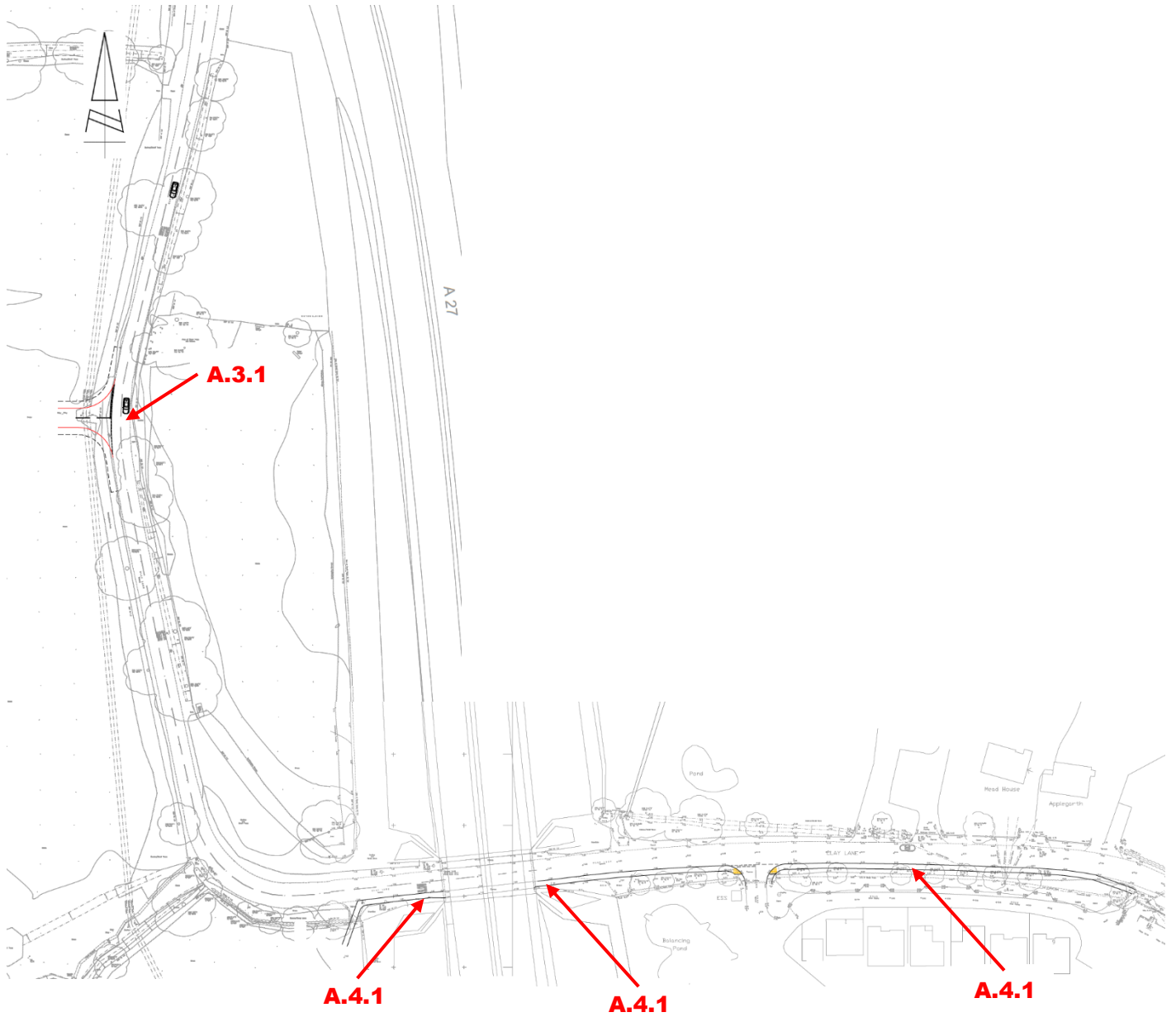
Appendix A1

Documents and Drawings provided for this Stage 1 Road Safety Audit

<u>Audit Stage</u>	<u>Doc. No.</u>	<u>Rev</u>	<u>Title</u>
Stage 1	S1 RSA Brief		Road Safety Audit Brief
	ATC Summary		Traffic Survey Data
	<u>Dwg No.</u>	<u>Rev</u>	<u>Title</u>
	ITB12230-GA-003	I	Proposed site access arrangement
ITB12230-GA-013	D	Proposed footway connection – Eastbound along Clay Lane	

Appendix A2

Item Location Plan



Appendix A3

Drawings associated with the Design Organisation Response

<u>Audit Stage</u>	<u>Drawing No.</u>	<u>Rev</u>	<u>Title</u>
Stage 1	ITB12230-GA-015	C	Swept Path Analysis – Refuse Vehicle
	ITB12230-GA-016	A	Swept Path Analysis – 7.5t Box Van & Estate Car

fenley

APPENDIX I. TRICS Output

Calculation Reference: AUDIT-236601-190919-0910

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED
 VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	ES EAST SUSSEX	1 days
	KC KENT	2 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS	
	LE LEICESTERSHIRE	1 days

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

Secondary Filtering selection:

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

Parameter: Number of dwellings
 Actual Range: 85 to 288 (units:)
 Range Selected by User: 80 to 350 (units:)

Parking Spaces Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 05/07/18

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

Selected survey days:

Tuesday	1 days
Wednesday	1 days
Thursday	1 days
Friday	2 days

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

Selected survey types:

Manual count	5 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town	2
Neighbourhood Centre (PPS6 Local Centre)	3

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

Selected Location Sub Categories:

Residential Zone	2
Village	3

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

Secondary Filtering selection:

Use Class:

C3 5 days

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

Population within 1 mile:

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

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

Population within 5 miles:

5,001 to 25,000 1 days
25,001 to 50,000 1 days
50,001 to 75,000 3 days

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

Car ownership within 5 miles:

1.1 to 1.5 5 days

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

Travel Plan:

No 5 days

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

PTAL Rating:

No PTAL Present 5 days

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

LIST OF SITES relevant to selection parameters

1	CA-03-A-06	MIXED HOUSES	CAMBRI D G E S H I R E
	CRAFT'S WAY NEAR CAMBRIDGE BAR HILL Neighbourhood Centre (PPS6 Local Centre) Village Total Number of dwellings: 207 <i>Survey date: FRIDAY 22/06/18</i>		
2	ES-03-A-04	MIXED HOUSES & FLATS	EAST SUSSEX
	NEW LYDD ROAD CAMBER Edge of Town Residential Zone Total Number of dwellings: 134 <i>Survey date: FRIDAY 15/07/16</i>		
3	KC-03-A-07	MIXED HOUSES	KENT
	RECVLVER ROAD HERNE BAY Edge of Town Residential Zone Total Number of dwellings: 288 <i>Survey date: WEDNESDAY 27/09/17</i>		
4	KC-03-A-08	MIXED HOUSES	KENT
	MAIDSTONE ROAD CHARING Neighbourhood Centre (PPS6 Local Centre) Village Total Number of dwellings: 159 <i>Survey date: TUESDAY 22/05/18</i>		
5	LE-03-A-02	DETACHED & OTHERS	LEICESTERSHIRE
	MELBOURNE ROAD IBSTOCK Neighbourhood Centre (PPS6 Local Centre) Village Total Number of dwellings: 85 <i>Survey date: THURSDAY 28/06/18</i>		

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

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
DV-03-A-02	Bungalows
NY-03-A-06	Bungalows

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

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	5	175	0.056	5	175	0.242	5	175	0.298
08:00 - 09:00	5	175	0.172	5	175	0.316	5	175	0.488
09:00 - 10:00	5	175	0.141	5	175	0.192	5	175	0.333
10:00 - 11:00	5	175	0.127	5	175	0.173	5	175	0.300
11:00 - 12:00	5	175	0.135	5	175	0.175	5	175	0.310
12:00 - 13:00	5	175	0.157	5	175	0.149	5	175	0.306
13:00 - 14:00	5	175	0.167	5	175	0.150	5	175	0.317
14:00 - 15:00	5	175	0.197	5	175	0.166	5	175	0.363
15:00 - 16:00	5	175	0.269	5	175	0.163	5	175	0.432
16:00 - 17:00	5	175	0.276	5	175	0.174	5	175	0.450
17:00 - 18:00	5	175	0.325	5	175	0.136	5	175	0.461
18:00 - 19:00	5	175	0.258	5	175	0.184	5	175	0.442
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.280			2.220			4.500

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

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

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Parameter summary

Trip rate parameter range selected:	85 - 288 (units:)
Survey date date range:	01/01/11 - 05/07/18
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	2

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

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

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	5	175	0.002	5	175	0.003	5	175	0.005
08:00 - 09:00	5	175	0.001	5	175	0.001	5	175	0.002
09:00 - 10:00	5	175	0.000	5	175	0.002	5	175	0.002
10:00 - 11:00	5	175	0.000	5	175	0.001	5	175	0.001
11:00 - 12:00	5	175	0.003	5	175	0.000	5	175	0.003
12:00 - 13:00	5	175	0.001	5	175	0.001	5	175	0.002
13:00 - 14:00	5	175	0.001	5	175	0.003	5	175	0.004
14:00 - 15:00	5	175	0.001	5	175	0.000	5	175	0.001
15:00 - 16:00	5	175	0.005	5	175	0.002	5	175	0.007
16:00 - 17:00	5	175	0.001	5	175	0.002	5	175	0.003
17:00 - 18:00	5	175	0.003	5	175	0.003	5	175	0.006
18:00 - 19:00	5	175	0.006	5	175	0.006	5	175	0.012
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.024			0.024			0.048

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

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

APPENDIX J. Distribution and Assignment Model

		% Car by Destination	Proportion by car	Proportion per route	Route Proportion by Car	Route 1	Route 2	Route 3	Route 4	Route 5
Chichester	1499	60.0%	46.9%	60.0%	28.17%	Clay Lane N	Salthill Road N	-	-	-
Fishbourne	252	54.8%	7.2%	100.0%	18.78%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	Westgate	-
Portsmouth	155	72.9%	5.9%	75.0%	4.43%	Clay Lane N	Salthill Road S	-	-	-
Bognor Regis	135	83.7%	5.9%	25.0%	1.48%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Havant	111	83.8%	4.9%	50.0%	2.95%	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (W)	A27 E	-
Southbourne	105	61.0%	3.3%	50.0%	2.95%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E
London	81	25.9%	1.1%	50.0%	2.43%	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (W)	-	-
Hampshire	58	94.8%	2.9%	50.0%	2.43%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Littlehampton	51	78.4%	2.1%	100.0%	3.34%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Worthing	45	73.3%	1.7%	100.0%	1.10%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Other	2918		18.1%	100.0%	2.87%	Clay Lane N	Salthill Road N	-	-	-
					2.09%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E
					1.72%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E
					18.07%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E
	5410		100.0%		100.0%					

ROUTING

Route 1			43.20%
Clay Lane N	48.0%	20.8%	
Clay Lane S	52.0%	22.4%	
	100.0%	43.2%	
Route 2			
Fishbourne Road E	52.0%	22.4%	
Salthill Road N	31.0%	13.4%	
Salthill Road S	17.0%	7.3%	
	100.0%	43.2%	
Route 3			
A259 Cathedral Way E	52.0%	22.4%	
A259 Fishbourne Road W (E)	3.0%	1.3%	
A259 Fishbourne Road W (W)	6.9%	3.0%	
-	38.2%	16.5%	
	100.0%	43.2%	
Route 4			
A259 Cathedral Way W	33.2%	14.3%	
Westgate	18.8%	8.1%	
A27 E	3.0%	1.3%	
-	45.1%	19.5%	
	100.0%	43.2%	
Route 5			
A27 E	24.8%	10.7%	
A27 W	8.3%	3.6%	
-	66.8%	28.9%	
	100.0%	43.2%	

Chichester	46.9%	20.3%
Fishbourne	7.2%	3.1%
Portsmouth	5.9%	2.5%
Bognor Regis	5.9%	2.5%
Havant	4.9%	2.1%
Southbourne	3.3%	1.4%
London	1.1%	0.5%
Hampshire	2.9%	1.2%
Littlehampton	2.1%	0.9%
Worthing	1.7%	0.7%
Other	18.1%	7.8%
	100.0%	43.2%

Location	Route 1	Route 2	Route 3	Route 4	Route 5	Times (Mins)	2011 Census Total Population	P/T	P/T*2	% of Total	Car Driver Mode Split	% of Car Driver	% of Car Driver By Route
Chichester	Clay Lane N	Salthill Road N	-	-	-	12	28,657	2388	199	18.3%	60%	11.0%	15.4%
	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	Westgate	-								9%
Fishbourne	Clay Lane N	Salthill Road S	-	-	-	4	2,325	581	145	13.4%	55%	7.3%	10.3%
	Clay Lane S	Salthill Road S	A259 Fishbourne Road W (W)	-	-								27%
Portsmouth	Clay Lane N	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W	25	238,137	9525	381	35.1%	73%	26%	35.8%
	Clay Lane S	Salthill Road S	A259 Fishbourne Road W (E)	A27 E	-								9%
Bognor Regis	Clay Lane N	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E	20	63,885	3194	160	14.7%	84%	12.3%	17.2%
	Clay Lane S	Salthill Road S	A259 Fishbourne Road W (E)	-	-								9%
Havant	Clay Lane N	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E	18	45,125	2507	139	12.8%	84%	11%	15%
	Clay Lane S	Salthill Road S	A259 Fishbourne Road W (W)	-	-								8%
Littlehampton	Clay Lane N	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W	30	55,706	1857	62	5.7%	78%	4.5%	6.3%
	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E								6%
							433,835	20053	1086	100.0%		100.0%	100.0%

Route 1	100.0%	56.8%	156.8%
Clay Lane N	62.5%	35.5%	
Clay Lane S	37.5%	21.3%	156.8%
	100.0%	56.8%	

Route 2	100.0%	56.8%	156.8%
Fishbourne Road E	37.5%	21.3%	
Salthill Road N	9.2%	5.2%	
Salthill Road S	53.3%	30.3%	
	100.0%	56.8%	

Route 3	100.0%	56.8%	156.8%
A259 Cathedral Way E	37.5%	21.3%	
A259 Fishbourne Road W (E)	8.6%	4.9%	
A259 Fishbourne Road W (W)	34.4%	19.5%	
-	19.5%	11.1%	
	100.0%	56.8%	

Route 4	100.0%	56.8%	156.8%
A259 Cathedral Way W	31.4%	17.8%	
Westgate	6.2%	3.5%	
A27 E	8.6%	4.9%	
-	53.9%	30.6%	
	100.0%	56.8%	

Route 5	100.0%	56.8%	156.8%
A27 E	14.9%	8.5%	
A27 W	16.5%	9.4%	
-	68.6%	39.0%	
	100.0%	56.8%	

Route 1	JTW	Gravity	Combined
Clay Lane N	20.8%	35.5%	56.3%
Clay Lane S	22.4%	21.3%	43.7%
	43.2%	56.8%	100.0%

Route 2	JTW	Gravity	Combined
Fishbourne Road E	22.4%	21.3%	43.7%
Salthill Road N	13.4%	5.2%	18.7%
Salthill Road S	7.3%	30.3%	37.6%
	43.2%	56.8%	100.0%

Route 3	JTW	Gravity	Combined
A259 Cathedral Way E	22.4%	21.3%	43.7%
A259 Fishbourne Road W (E)	1.3%	4.9%	6.2%
A259 Fishbourne Road W (W)	3.0%	19.5%	22.5%
-	16.5%	11.1%	27.6%
	43.2%	56.8%	100.0%

Route 4	JTW	Gravity	Combined
A259 Cathedral Way W	14.3%	17.8%	32.1%
Westgate	8.1%	3.5%	11.6%
A27 E	1.3%	4.9%	6.2%
-	19.5%	30.6%	50.1%
	43.2%	56.8%	100.0%

Route 5	JTW	Gravity	Combined
A27 E	10.7%	8.5%	19.2%
A27 W	3.6%	9.4%	13.0%
-	28.9%	39.0%	67.9%
	43.2%	56.8%	100.0%

APPENDIX K. Junction Modelling Outputs

Basic Results Summary
Basic Results Summary

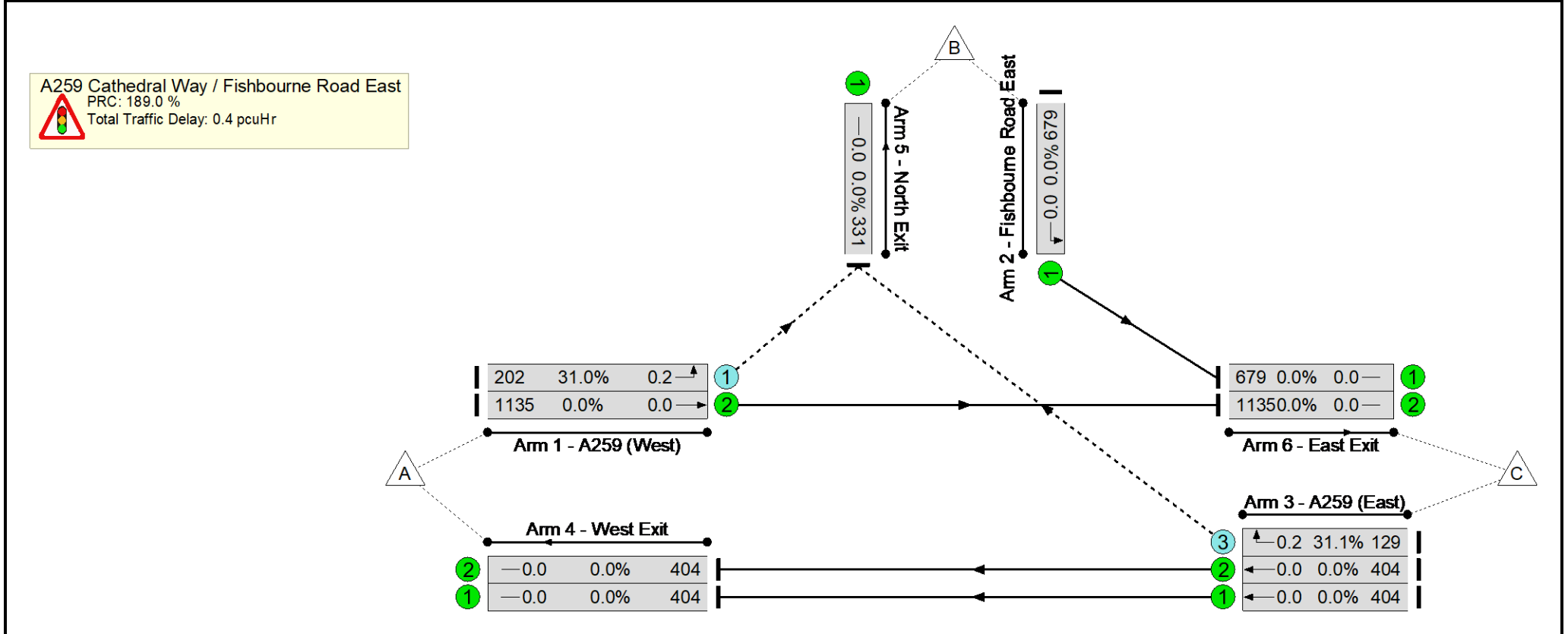
User and Project Details

Project:	Land at Clay Lane, Fishbourne
Title:	A259 Cathedral Way / Fishbourne Road East
Location:	
Client:	Gleeson Developments Ltd
Design Layout Ref:	Existing
Date Started:	26.10.20
Model Assumptions:	PICADY give-way parameters
Flow Details:	105 Dwellings
Additional detail:	
File name:	A259 Cathedral Way_Fishbourne Road East - PICADY GW.lsg3x
Author:	Jon Wilkinson
Company:	i-Transport
Address:	Manchester

Basic Results Summary

Scenario 1: '2019 Observed AM' (FG1: '2019 Observed AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

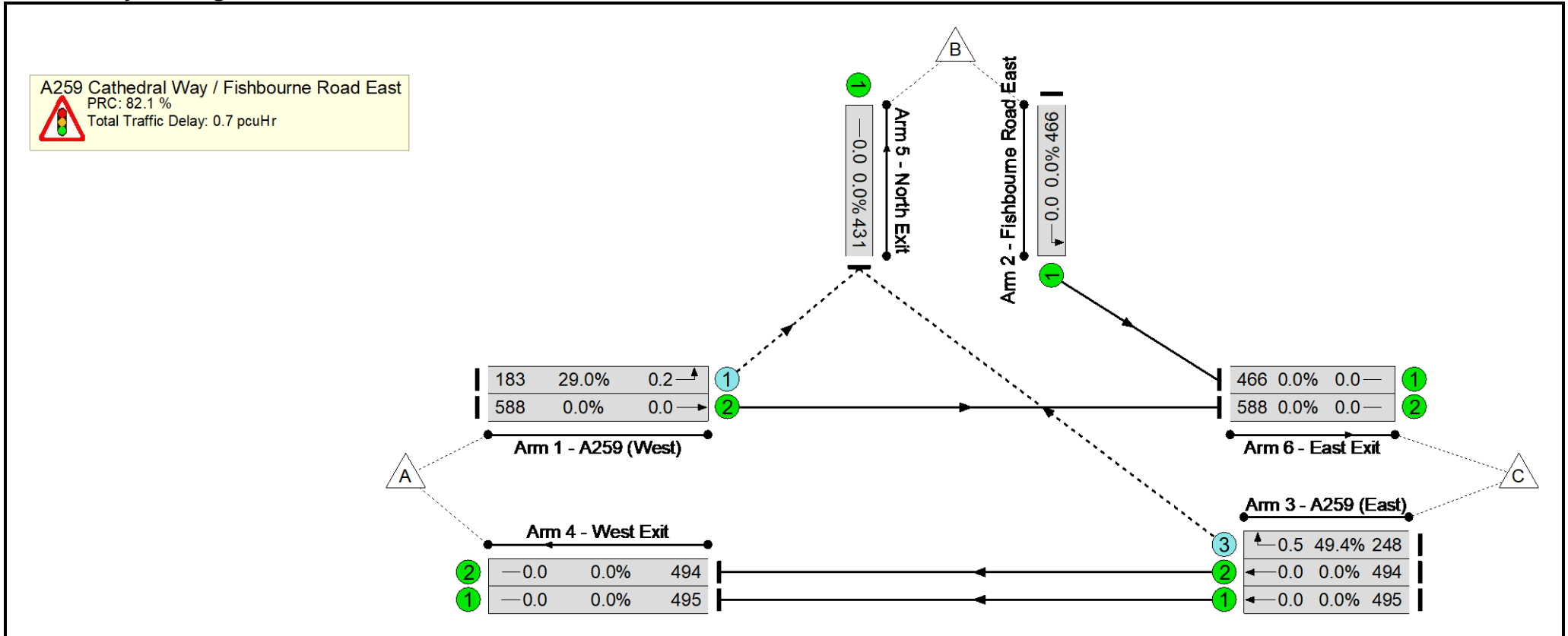
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)					
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	31.1%	331	0	0	0.4	-	-					
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	31.1%	331	0	0	0.4	-	-					
1/1	A259 (West) Left	O	-		-	-	-	202	1800	653	31.0%	202	0	0	0.2	4.0	0.2					
3/3	A259 (East) Right	O	-		-	-	-	129	2029	414	31.1%	129	0	0	0.2	6.3	0.2					
		C1	PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		189.0		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.45		Cycle Time (s):		60	

Basic Results Summary

Scenario 2: '2019 Observed PM' (FG2: '2019 Observed PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

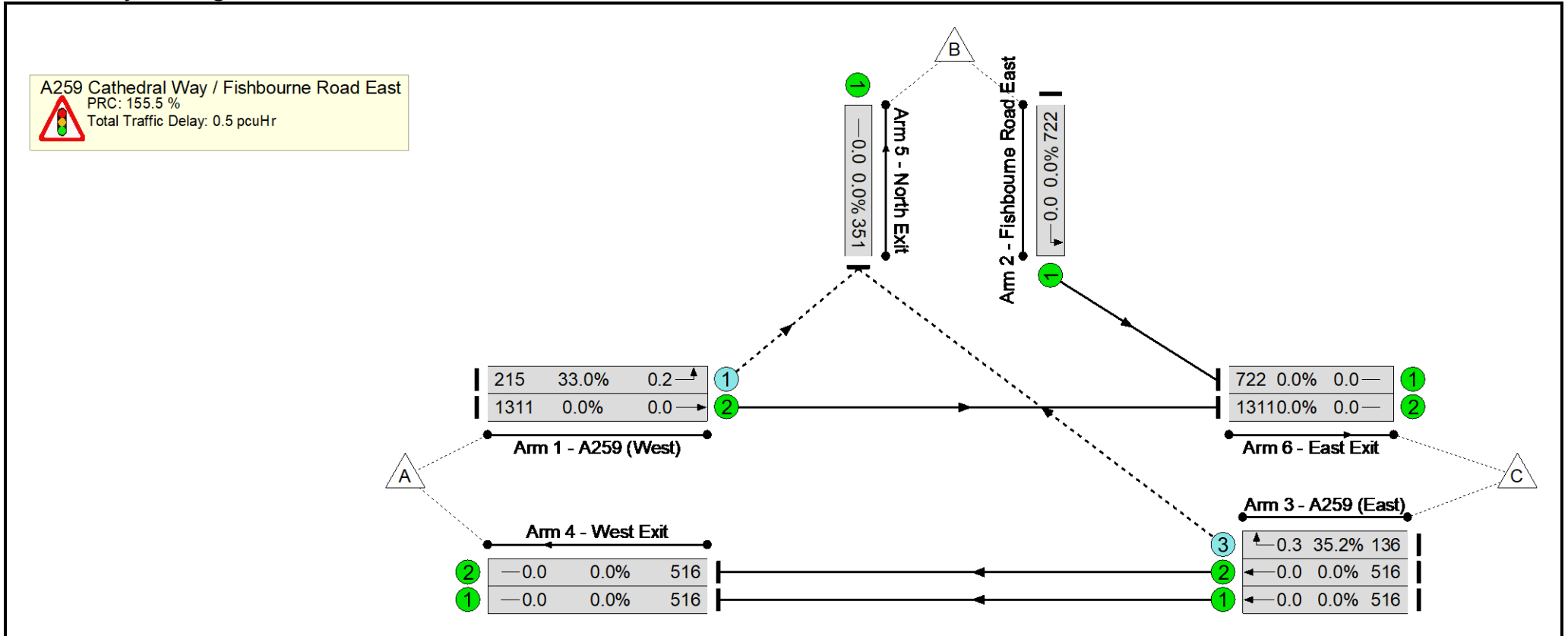
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	49.4%	431	0	0	0.7	-	-
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	49.4%	431	0	0	0.7	-	-
1/1	A259 (West) Left	O	-		-	-	-	183	1800	631	29.0%	183	0	0	0.2	4.0	0.2
3/3	A259 (East) Right	O	-		-	-	-	248	2029	502	49.4%	248	0	0	0.5	7.1	0.5
		C1	PRC for Signalled Lanes (%):				0.0	Total Delay for Signalled Lanes (pcuHr):				0.00	Cycle Time (s):		60		
			PRC Over All Lanes (%):				82.1	Total Delay Over All Lanes(pcuHr):				0.69					

Basic Results Summary

Scenario 3: '2024 Base + Comm AM' (FG3: '2024 Base + Comm AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

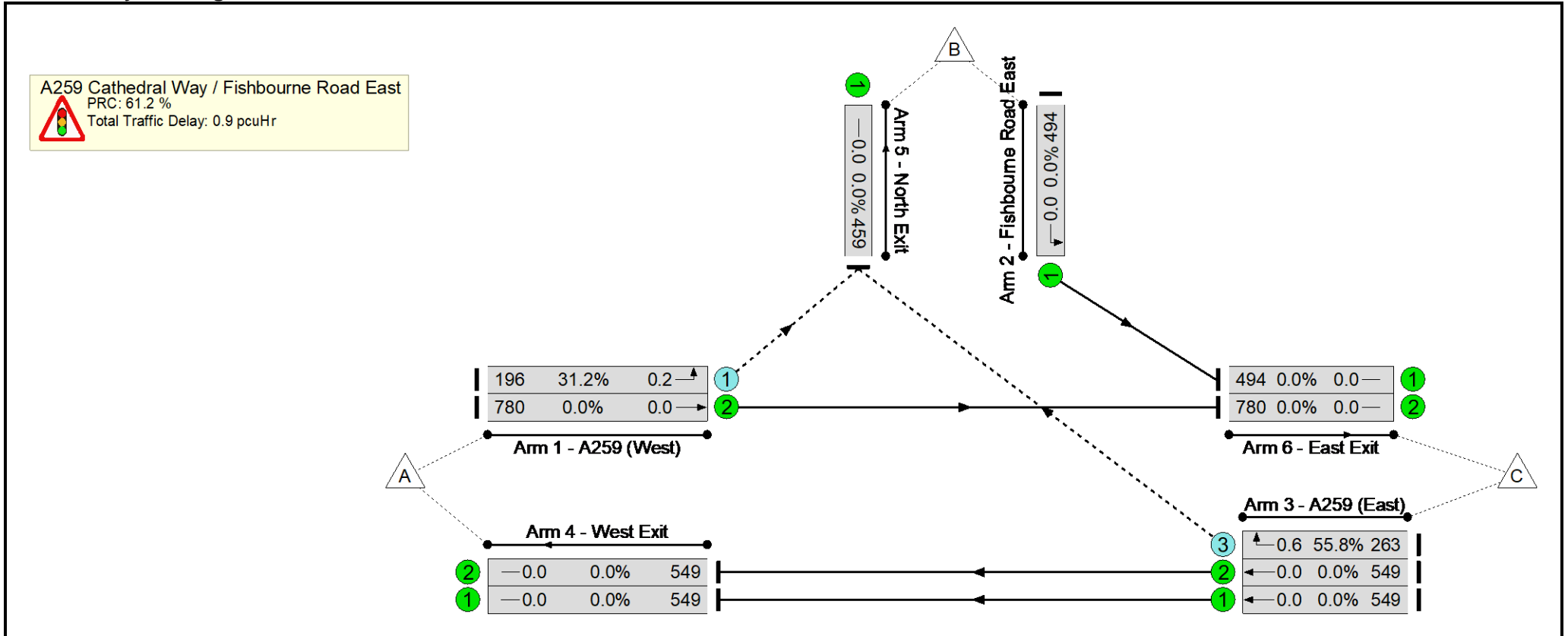
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)					
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	35.2%	351	0	0	0.5	-	-					
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	35.2%	351	0	0	0.5	-	-					
1/1	A259 (West) Left	O	-		-	-	-	215	1800	651	33.0%	215	0	0	0.2	4.1	0.2					
3/3	A259 (East) Right	O	-		-	-	-	136	2029	386	35.2%	136	0	0	0.3	7.2	0.3					
		C1	PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		155.5		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.52		Cycle Time (s):		60	

Basic Results Summary

Scenario 4: '2024 Base + Comm PM' (FG4: '2024 Base + Comm PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

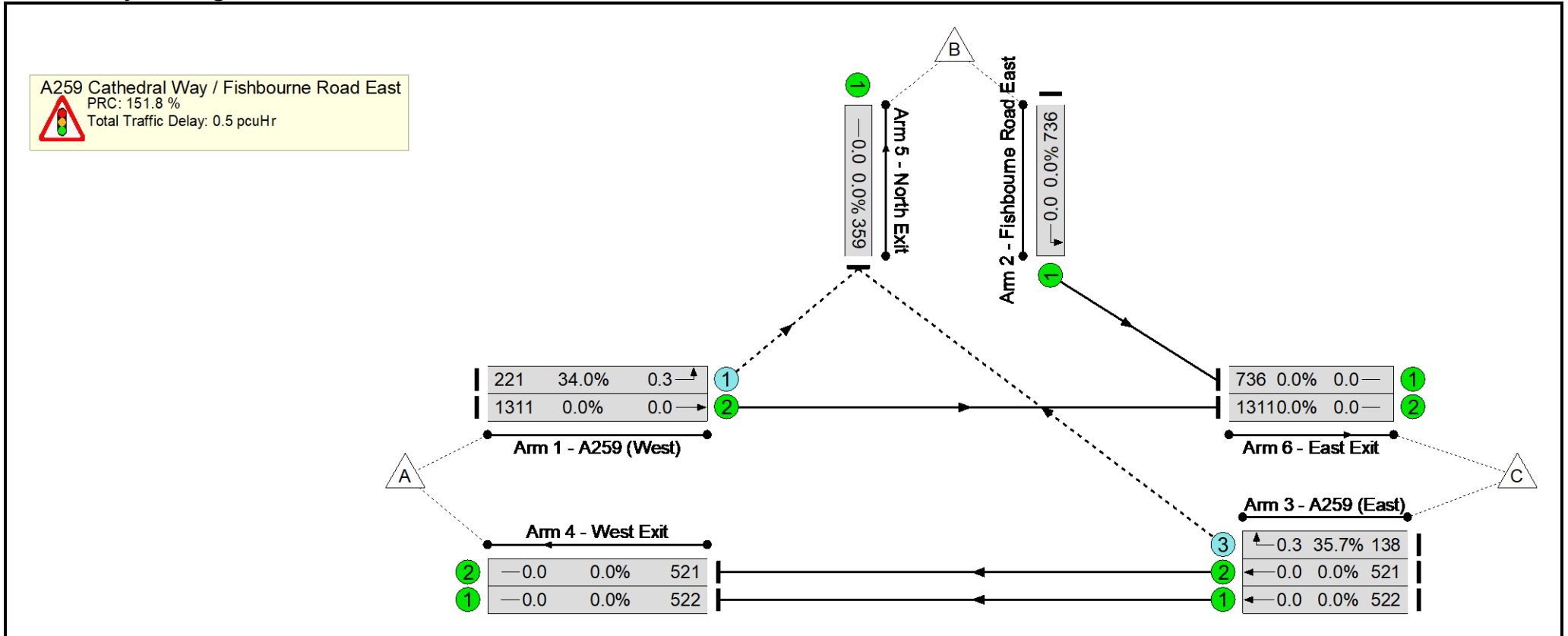
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	55.8%	459	0	0	0.9	-	-
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	55.8%	459	0	0	0.9	-	-
1/1	A259 (West) Left	O	-		-	-	-	196	1800	628	31.2%	196	0	0	0.2	4.2	0.2
3/3	A259 (East) Right	O	-		-	-	-	263	2029	471	55.8%	263	0	0	0.6	8.6	0.6
		C1	PRC for Signalled Lanes (%):		0.0		Total Delay for Signalled Lanes (pcuHr):		0.00		Cycle Time (s):		60				
			PRC Over All Lanes (%):		61.2		Total Delay Over All Lanes(pcuHr):		0.85								

Basic Results Summary

Scenario 5: '2024 Base + Comm + Dev AM' (FG5: '2024 Base + Comm + Dev AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

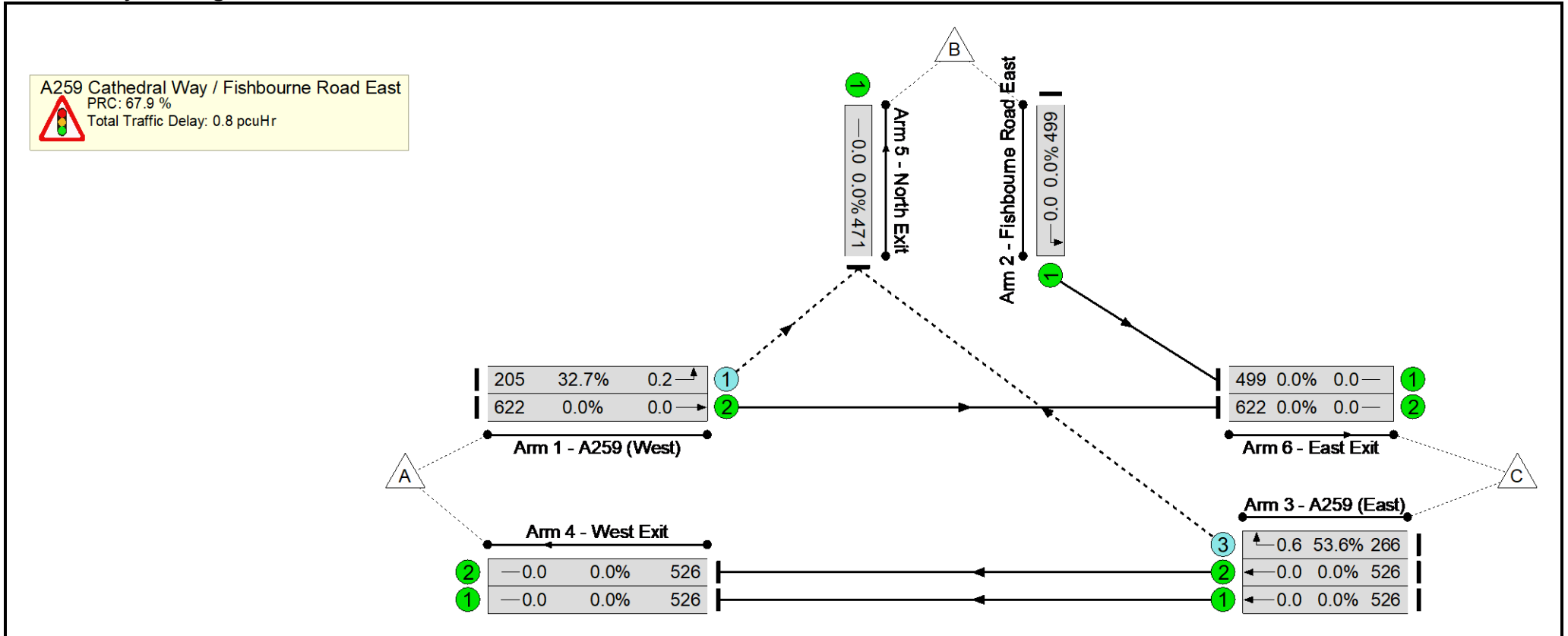
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)			
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	35.7%	359	0	0	0.5	-	-			
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	35.7%	359	0	0	0.5	-	-			
1/1	A259 (West) Left	O	-		-	-	-	221	1800	651	34.0%	221	0	0	0.3	4.2	0.3			
3/3	A259 (East) Right	O	-		-	-	-	138	2029	386	35.7%	138	0	0	0.3	7.2	0.3			
		C1	PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		151.8		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.53		Cycle Time (s): 60	

Basic Results Summary

Scenario 6: '2024 Base + Comm + Dev PM' (FG6: '2024 Base + Comm + Dev PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

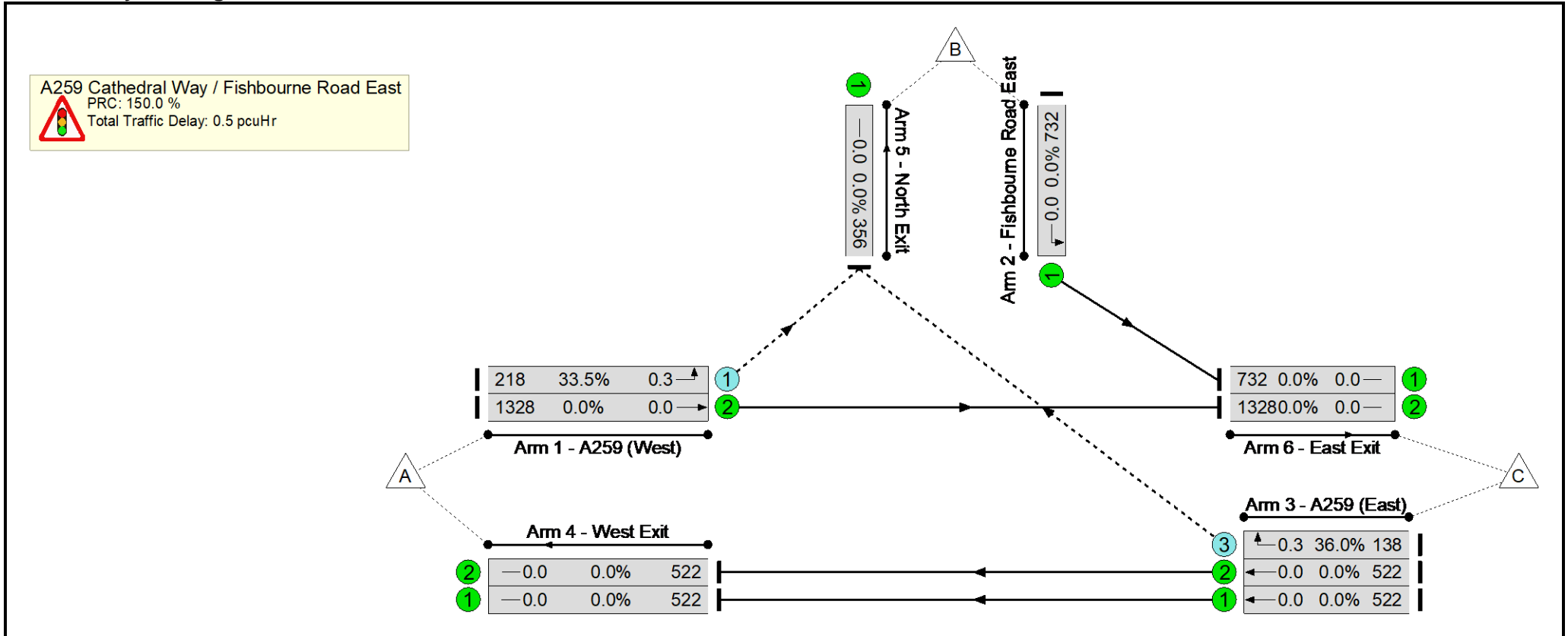
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)					
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	53.6%	471	0	0	0.8	-	-					
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	53.6%	471	0	0	0.8	-	-					
1/1	A259 (West) Left	O	-		-	-	-	205	1800	628	32.7%	205	0	0	0.2	4.3	0.2					
3/3	A259 (East) Right	O	-		-	-	-	266	2029	496	53.6%	266	0	0	0.6	7.8	0.6					
		C1	PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		67.9		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.82		Cycle Time (s):		60	

Basic Results Summary

Scenario 7: '2027 Base + Comm AM' (FG7: '2027 Base + Comm AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

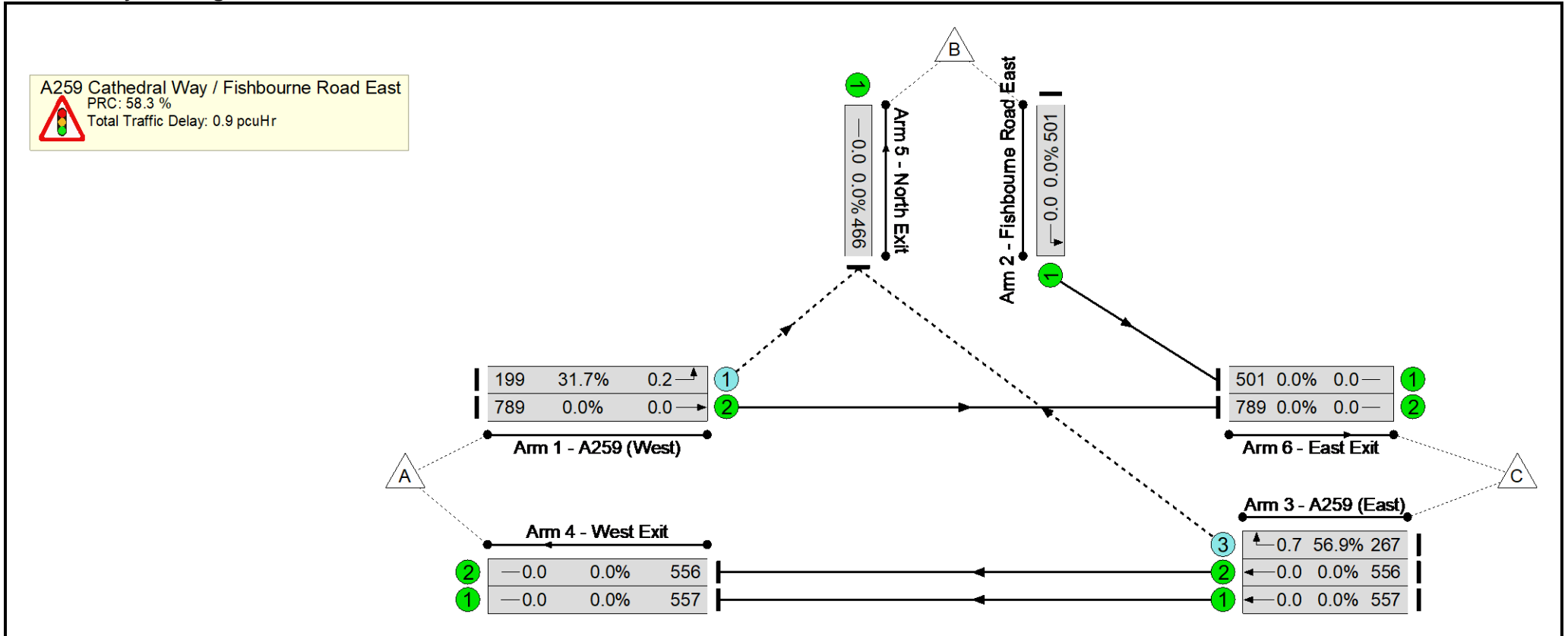
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)		
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	36.0%	356	0	0	0.5	-	-		
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	36.0%	356	0	0	0.5	-	-		
1/1	A259 (West) Left	O	-		-	-	-	218	1800	651	33.5%	218	0	0	0.3	4.2	0.3		
3/3	A259 (East) Right	O	-		-	-	-	138	2029	383	36.0%	138	0	0	0.3	7.3	0.3		
C1		PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		150.0		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.53		Cycle Time (s): 60	

Basic Results Summary

Scenario 8: '2027 Base + Comm PM' (FG8: '2027 Base + Comm PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

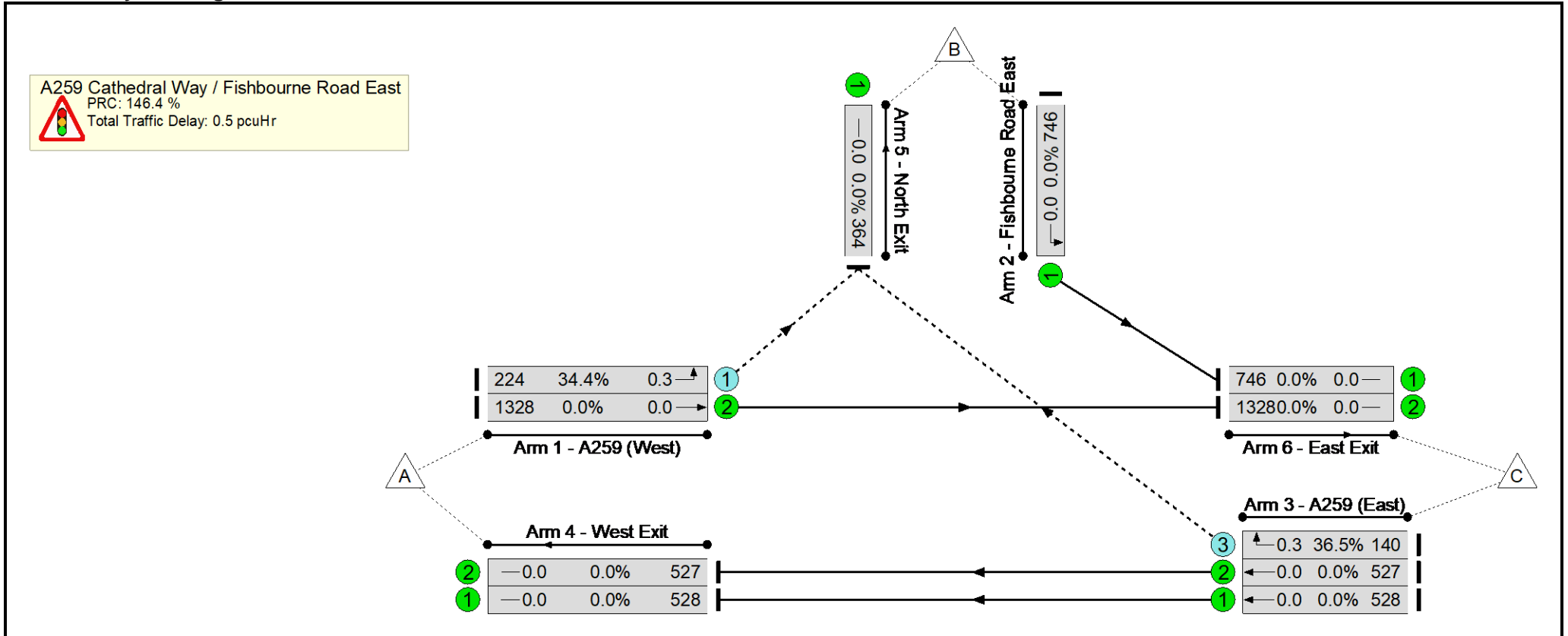
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)		
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	56.9%	466	0	0	0.9	-	-		
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	56.9%	466	0	0	0.9	-	-		
1/1	A259 (West) Left	O	-		-	-	-	199	1800	628	31.7%	199	0	0	0.2	4.2	0.2		
3/3	A259 (East) Right	O	-		-	-	-	267	2029	470	56.9%	267	0	0	0.7	8.8	0.7		
C1		PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		58.3		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.89		Cycle Time (s): 60	

Basic Results Summary

Scenario 9: '2027 Base + Comm + Dev AM' (FG9: '2027 Base + Comm + Dev AM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

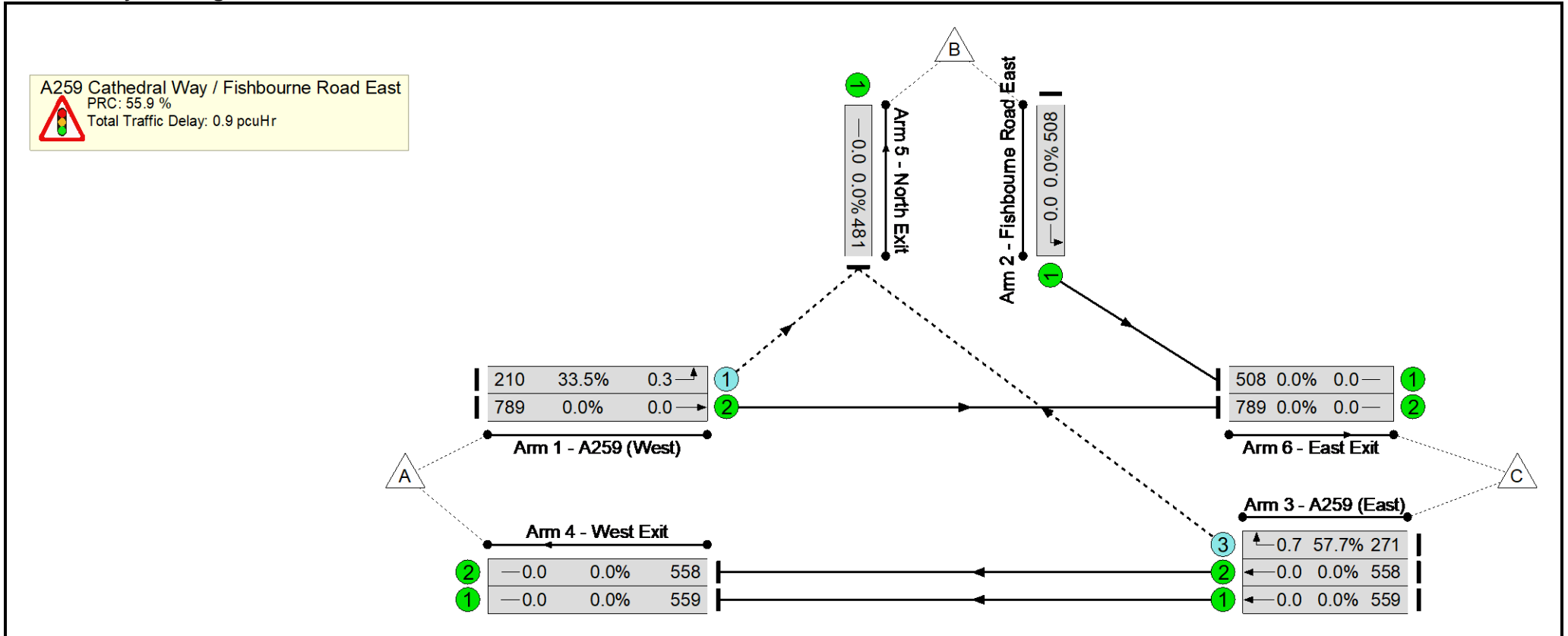
Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)					
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	36.5%	364	0	0	0.5	-	-					
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	36.5%	364	0	0	0.5	-	-					
1/1	A259 (West) Left	O	-		-	-	-	224	1800	651	34.4%	224	0	0	0.3	4.2	0.3					
3/3	A259 (East) Right	O	-		-	-	-	140	2029	383	36.5%	140	0	0	0.3	7.4	0.3					
		C1	PRC for Signalled Lanes (%):		0.0		PRC Over All Lanes (%):		146.4		Total Delay for Signalled Lanes (pcuHr):		0.00		Total Delay Over All Lanes(pcuHr):		0.55		Cycle Time (s):		60	

Basic Results Summary

Scenario 10: '2027 Base + Comm + Dev PM' (FG10: '2027 Base + Comm + Dev PM', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	57.7%	481	0	0	0.9	-	-
A259 Cathedral Way / Fishbourne Road East	-	-	-		-	-	-	-	-	-	57.7%	481	0	0	0.9	-	-
1/1	A259 (West) Left	O	-		-	-	-	210	1800	627	33.5%	210	0	0	0.3	4.3	0.3
3/3	A259 (East) Right	O	-		-	-	-	271	2029	470	57.7%	271	0	0	0.7	9.0	0.7
		C1	PRC for Signalled Lanes (%):		0.0		Total Delay for Signalled Lanes (pcuHr):		0.00		Cycle Time (s):		60				
			PRC Over All Lanes (%):		55.9		Total Delay Over All Lanes(pcuHr):		0.93								

Junctions 9
PICADY 9 - Priority Intersection Module
Version: 9.5.0.6896 © Copyright TRL Limited, 2018
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Filename: Salthill Road and Clay Lane Crossroads.j9

Path: T:\Projects\12000 Series Project Numbers\12230ITB Land at Clay Lane\Tech\Junction Assessments\Picady

Report generation date: 10/02/2022 14:44:53

- »2019 Observed, AM
- »2019 Observed, PM
- »2024 Base + Committed, AM
- »2024 Base + Committed , PM
- »2024 Base + Committed + Development, AM
- »2024 Base + Committed + Development , PM
- »2027 Base + Committed, AM
- »2027 Base + Committed, PM
- »2027 Base + Committed + Development, AM
- »2027 Base + Committed + Development , PM

Summary of junction performance

	AM			PM		
	Queue (Veh)	Delay (s)	RFC	Queue (Veh)	Delay (s)	RFC
2019 Observed						
Stream B-ACD	0.4	11.97	0.28	1.1	17.76	0.52
Stream A-BCD	0.1	6.45	0.07	0.2	5.65	0.12
Stream D-ABC	0.8	16.34	0.44	0.3	10.95	0.24
Stream C-ABD	1.2	10.04	0.49	0.4	7.06	0.25
2024 Base + Committed						
Stream B-ACD	0.5	12.86	0.32	1.3	20.03	0.56
Stream A-BCD	0.1	6.48	0.08	0.2	5.65	0.13
Stream D-ABC	0.9	18.07	0.49	0.3	11.50	0.26
Stream C-ABD	1.4	10.82	0.53	0.5	7.27	0.28
2024 Base + Committed + Development						
Stream B-ACD	0.6	13.64	0.36	1.4	21.05	0.58
Stream A-BCD	0.1	6.48	0.08	0.3	5.64	0.13
Stream D-ABC	0.9	18.31	0.49	0.3	11.62	0.26
Stream C-ABD	1.5	11.21	0.55	0.6	7.50	0.30
2027 Base + Committed						
Stream B-ACD	0.5	13.05	0.32	1.3	20.64	0.58
Stream A-BCD	0.1	6.48	0.08	0.3	5.64	0.13
Stream D-ABC	0.9	18.39	0.49	0.4	11.63	0.26
Stream C-ABD	1.4	11.05	0.54	0.5	7.33	0.28
2027 Base + Committed + Development						
Stream B-ACD	0.6	13.84	0.37	1.5	22.07	0.60
Stream A-BCD	0.1	6.48	0.08	0.3	5.65	0.13
Stream D-ABC	1.0	18.62	0.50	0.4	11.79	0.26
Stream C-ABD	1.5	11.39	0.56	0.6	7.65	0.31

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

File summary

File Description

Title	
Location	
Site number	
Date	21/10/2020
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	I-TRANSPORT\peter.snell
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	Veh	Veh	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2019 Observed	AM	ONE HOUR	07:45	09:15	15	✓
D2	2019 Observed	PM	ONE HOUR	16:45	18:15	15	✓
D3	2024 Base + Committed	AM	ONE HOUR	07:45	09:15	15	✓
D4	2024 Base + Committed	PM	ONE HOUR	16:45	18:15	15	✓
D5	2024 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	15	✓
D6	2024 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	15	✓
D7	2027 Base + Committed	AM	ONE HOUR	07:45	09:15	15	✓
D8	2027 Base + Committed	PM	ONE HOUR	16:45	18:15	15	✓
D9	2027 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	15	✓
D10	2027 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2019 Observed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		8.09	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Salthill Road (North)		Major
B	Clay Lane (East)		Minor
C	Salthill Road (South)		Major
D	Clay Lane (West)		Minor

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - Salthill Road (North)	6.23			92.5	✓	0.00
C - Salthill Road (South)	6.23			119.3	✓	0.00

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	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Clay Lane (East)	One lane	3.36	21	32
D - Clay Lane (West)	One lane	3.24	31	36

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B	Slope for D-C
1	A-D	628	-	-	-	-	-	-	0.241	0.344	0.241	-	-	-
1	B-A	518	0.093	0.236	0.236	-	-	-	0.149	0.338	-	0.236	0.236	0.118
1	B-C	668	0.101	0.256	-	-	-	-	-	-	-	-	-	-
1	B-D, nearside lane	518	0.093	0.236	0.236	-	-	-	0.149	0.338	0.149	-	-	-
1	B-D, offside lane	518	0.093	0.236	0.236	-	-	-	0.149	0.338	0.149	-	-	-
1	C-B	643	0.247	0.247	0.352	-	-	-	-	-	-	-	-	-
1	D-A	662	-	-	-	-	-	-	0.254	-	0.100	-	-	-
1	D-B, nearside lane	517	0.148	0.148	0.337	-	-	-	0.236	0.236	0.093	-	-	-
1	D-B, offside lane	517	0.148	0.148	0.337	-	-	-	0.236	0.236	0.093	-	-	-
1	D-C	517	-	0.148	0.337	0.118	0.236	0.236	0.236	0.236	0.093	-	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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 segment length (min)	Run automatically
D1	2019 Observed	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	206	100.000
B - Clay Lane (East)		ONE HOUR	✓	107	100.000
C - Salthill Road (South)		ONE HOUR	✓	409	100.000
D - Clay Lane (West)		ONE HOUR	✓	159	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	70	110	26
	B - Clay Lane (East)	23	0	43	41
	C - Salthill Road (South)	170	226	0	13
	D - Clay Lane (West)	33	110	16	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	4	8
	B - Clay Lane (East)	0	0	0	0
	C - Salthill Road (South)	1	2	0	8
	D - Clay Lane (West)	6	0	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.28	11.97	0.4	B	98	147
ABCD	0.07	6.45	0.1	A	33	50
A-B					60	91
A-C					95	143
D-ABC	0.44	16.34	0.8	C	146	219
C-ABD	0.49	10.04	1.2	B	277	415
C-D					7	11
C-A					92	138

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	81	20	470	0.171	80	0.0	0.2	9.196	A
A-BCD	25	6	593	0.043	25	0.0	0.1	6.334	A
A-B	50	13			50				
A-C	79	20			79				
D-ABC	120	30	440	0.272	118	0.0	0.4	11.124	B
C-ABD	213	53	683	0.312	211	0.0	0.5	7.610	A
C-D	7	2			7				
C-A	88	22			88				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	96	24	449	0.214	96	0.2	0.3	10.189	B
A-BCD	32	8	597	0.054	32	0.1	0.1	6.385	A
A-B	60	15			60				
A-C	94	23			94				
D-ABC	143	36	422	0.339	142	0.4	0.5	12.871	B
C-ABD	267	67	693	0.385	266	0.5	0.7	8.425	A
C-D	7	2			7				
C-A	94	23			94				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	118	29	419	0.281	117	0.3	0.4	11.931	B
A-BCD	43	11	602	0.071	43	0.1	0.1	6.446	A
A-B	72	18			72				
A-C	112	28			112				
D-ABC	175	44	396	0.443	174	0.5	0.8	16.165	C
C-ABD	349	87	709	0.492	347	0.7	1.2	9.953	A
C-D	7	2			7				
C-A	94	24			94				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	118	29	419	0.281	118	0.4	0.4	11.969	B
A-BCD	43	11	602	0.071	43	0.1	0.1	6.443	A
A-B	72	18			72				
A-C	112	28			112				
D-ABC	175	44	395	0.443	175	0.8	0.8	16.344	C
C-ABD	349	87	709	0.492	349	1.2	1.2	10.043	B
C-D	7	2			7				
C-A	94	23			94				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	96	24	448	0.215	97	0.4	0.3	10.252	B
A-BCD	32	8	596	0.054	32	0.1	0.1	6.382	A
A-B	59	15			59				
A-C	93	23			93				
D-ABC	143	36	421	0.340	144	0.8	0.5	13.049	B
C-ABD	268	67	694	0.385	269	1.2	0.8	8.525	A
C-D	7	2			7				
C-A	93	23			93				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	81	20	469	0.172	81	0.3	0.2	9.270	A
A-BCD	25	6	593	0.043	26	0.1	0.1	6.343	A
A-B	50	13			50				
A-C	79	20			79				
D-ABC	120	30	440	0.272	120	0.5	0.4	11.291	B
C-ABD	214	53	683	0.313	215	0.8	0.5	7.711	A
C-D	7	2			7				
C-A	87	22			87				

2019 Observed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		6.75	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2019 Observed	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	305	100.000
B - Clay Lane (East)		ONE HOUR	✓	198	100.000
C - Salthill Road (South)		ONE HOUR	✓	293	100.000
D - Clay Lane (West)		ONE HOUR	✓	92	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	43	215	47
	B - Clay Lane (East)	43	0	72	83
	C - Salthill Road (South)	166	108	0	19
	D - Clay Lane (West)	30	53	9	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	1	2
	B - Clay Lane (East)	0	0	6	0
	C - Salthill Road (South)	1	3	0	0
	D - Clay Lane (West)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.52	17.76	1.1	C	182	273
A-BCD	0.12	5.65	0.2	A	66	99
A-B					36	53
A-C					178	267
D-ABC	0.24	10.95	0.3	B	84	127
C-ABD	0.25	7.06	0.4	A	134	201
C-D					14	21
C-A					121	181

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	149	37	465	0.321	147	0.0	0.5	11.275	B
A-BCD	49	12	688	0.072	49	0.0	0.1	5.635	A
A-B	30	8			30				
A-C	150	38			150				
D-ABC	69	17	472	0.147	69	0.0	0.2	8.909	A
C-ABD	103	26	661	0.156	102	0.0	0.2	6.431	A
C-D	12	3			12				
C-A	106	26			106				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	178	44	446	0.399	177	0.5	0.6	13.347	B
A-BCD	63	16	703	0.090	63	0.1	0.2	5.628	A
A-B	35	9			35				
A-C	176	44			176				
D-ABC	83	21	454	0.182	83	0.2	0.2	9.674	A
C-ABD	129	32	669	0.193	129	0.2	0.3	6.669	A
C-D	14	3			14				
C-A	120	30			120				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	218	55	421	0.518	216	0.6	1.0	17.496	C
A-BCD	85	21	726	0.118	85	0.2	0.2	5.628	A
A-B	42	10			42				
A-C	209	52			209				
D-ABC	101	25	430	0.235	101	0.2	0.3	10.924	B
C-ABD	170	43	681	0.250	170	0.3	0.4	7.044	A
C-D	16	4			16				
C-A	137	34			137				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	218	55	420	0.519	218	1.0	1.1	17.760	C
A-BCD	85	21	726	0.118	85	0.2	0.2	5.628	A
A-B	42	10			42				
A-C	209	52			209				
D-ABC	101	25	430	0.236	101	0.3	0.3	10.953	B
C-ABD	170	43	681	0.250	170	0.4	0.4	7.058	A
C-D	16	4			16				
C-A	137	34			137				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	178	44	446	0.399	180	1.1	0.7	13.587	B
A-BCD	63	16	703	0.090	64	0.2	0.2	5.631	A
A-B	35	9			35				
A-C	176	44			176				
D-ABC	83	21	454	0.182	83	0.3	0.2	9.712	A
C-ABD	130	32	669	0.194	130	0.4	0.3	6.682	A
C-D	14	3			14				
C-A	120	30			120				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	149	37	464	0.321	150	0.7	0.5	11.480	B
A-BCD	49	12	687	0.072	50	0.2	0.1	5.648	A
A-B	30	8			30				
A-C	150	38			150				
D-ABC	69	17	471	0.147	69	0.2	0.2	8.961	A
C-ABD	103	26	661	0.156	104	0.3	0.2	6.460	A
C-D	12	3			12				
C-A	105	26			105				

2024 Base + Committed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		8.88	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2024 Base + Committed	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	221	100.000
B - Clay Lane (East)		ONE HOUR	✓	117	100.000
C - Salthill Road (South)		ONE HOUR	✓	434	100.000
D - Clay Lane (West)		ONE HOUR	✓	171	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	75	117	29
	B - Clay Lane (East)	26	0	48	43
	C - Salthill Road (South)	180	240	0	14
	D - Clay Lane (West)	37	117	17	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	4	7
	B - Clay Lane (East)	0	0	0	0
	C - Salthill Road (South)	1	2	0	8
	D - Clay Lane (West)	6	0	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.32	12.86	0.5	B	107	161
A-BCD	0.08	6.48	0.1	A	38	57
A-B					64	96
A-C					100	150
D-ABC	0.49	18.07	0.9	C	157	235
C-ABD	0.53	10.82	1.4	B	299	449
C-D					7	11
C-A					92	138

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	88	22	465	0.189	87	0.0	0.2	9.509	A
A-BCD	29	7	596	0.048	29	0.0	0.1	6.341	A
A-B	54	13			54				
A-C	84	21			84				
D-ABC	129	32	436	0.295	127	0.0	0.4	11.602	B
C-ABD	230	57	685	0.335	227	0.0	0.6	7.833	A
C-D	7	2			7				
C-A	90	23			90				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	105	26	442	0.238	105	0.2	0.3	10.676	B
A-BCD	37	9	600	0.061	37	0.1	0.1	6.402	A
A-B	63	16			63				
A-C	99	25			99				
D-ABC	154	38	416	0.370	153	0.4	0.6	13.679	B
C-ABD	288	72	697	0.414	287	0.6	0.8	8.796	A
C-D	7	2			7				
C-A	94	24			94				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	129	32	409	0.315	128	0.3	0.5	12.778	B
A-BCD	49	12	606	0.081	49	0.1	0.1	6.472	A
A-B	76	19			76				
A-C	118	30			118				
D-ABC	188	47	388	0.486	187	0.6	0.9	17.800	C
C-ABD	379	95	713	0.531	376	0.8	1.4	10.688	B
C-D	7	2			7				
C-A	92	23			92				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	129	32	409	0.315	129	0.5	0.5	12.859	B
A-BCD	49	12	606	0.081	49	0.1	0.1	6.476	A
A-B	76	19			76				
A-C	118	30			118				
D-ABC	188	47	387	0.486	188	0.9	0.9	18.070	C
C-ABD	379	95	714	0.531	379	1.4	1.4	10.822	B
C-D	7	2			7				
C-A	92	23			92				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	105	26	441	0.239	106	0.5	0.3	10.762	B
A-BCD	37	9	599	0.061	37	0.1	0.1	6.399	A
A-B	63	16			63				
A-C	99	25			99				
D-ABC	154	38	415	0.371	155	0.9	0.6	13.933	B
C-ABD	289	72	698	0.415	291	1.4	0.9	8.929	A
C-D	7	2			7				
C-A	94	23			94				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	88	22	464	0.190	88	0.3	0.2	9.601	A
A-BCD	29	7	595	0.049	29	0.1	0.1	6.352	A
A-B	54	13			54				
A-C	84	21			84				
D-ABC	129	32	435	0.296	129	0.6	0.4	11.812	B
C-ABD	230	58	686	0.336	231	0.9	0.6	7.955	A
C-D	7	2			7				
C-A	89	22			89				

2024 Base + Committed , PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		7.41	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2024 Base + Committed	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	326	100.000
B - Clay Lane (East)		ONE HOUR	✓	211	100.000
C - Salthill Road (South)		ONE HOUR	✓	313	100.000
D - Clay Lane (West)		ONE HOUR	✓	99	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	47	228	51
	B - Clay Lane (East)	46	0	77	88
	C - Salthill Road (South)	176	117	0	20
	D - Clay Lane (West)	33	56	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	0	2
	B - Clay Lane (East)	0	0	5	0
	C - Salthill Road (South)	1	3	0	0
	D - Clay Lane (West)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.56	20.03	1.3	C	194	290
A-BCD	0.13	5.65	0.2	A	74	111
A-B					39	58
A-C					187	280
D-ABC	0.26	11.50	0.3	B	91	136
C-ABD	0.28	7.27	0.5	A	148	223
C-D					14	21
C-A					125	187

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	159	40	459	0.346	157	0.0	0.5	11.819	B
A-BCD	55	14	693	0.079	54	0.0	0.1	5.636	A
A-B	33	8			33				
A-C	158	40			158				
D-ABC	75	19	467	0.160	74	0.0	0.2	9.135	A
C-ABD	113	28	663	0.171	112	0.0	0.3	6.525	A
C-D	12	3			12				
C-A	110	27			110				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	190	47	439	0.432	189	0.5	0.7	14.307	B
A-BCD	71	18	710	0.099	70	0.1	0.2	5.636	A
A-B	38	10			38				
A-C	184	46			184				
D-ABC	89	22	448	0.199	89	0.2	0.2	10.007	B
C-ABD	143	36	672	0.213	143	0.3	0.3	6.806	A
C-D	14	4			14				
C-A	124	31			124				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	232	58	412	0.564	230	0.7	1.2	19.614	C
A-BCD	96	24	734	0.131	96	0.2	0.2	5.649	A
A-B	45	11			45				
A-C	218	55			218				
D-ABC	109	27	422	0.258	109	0.2	0.3	11.464	B
C-ABD	189	47	684	0.276	188	0.3	0.5	7.260	A
C-D	16	4			16				
C-A	140	35			140				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	232	58	412	0.564	232	1.2	1.3	20.031	C
A-BCD	96	24	734	0.131	96	0.2	0.3	5.652	A
A-B	45	11			45				
A-C	218	54			218				
D-ABC	109	27	422	0.258	109	0.3	0.3	11.503	B
C-ABD	189	47	685	0.276	189	0.5	0.5	7.274	A
C-D	16	4			16				
C-A	140	35			140				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	190	47	439	0.432	192	1.3	0.8	14.659	B
A-BCD	71	18	710	0.100	71	0.3	0.2	5.641	A
A-B	38	10			38				
A-C	184	46			184				
D-ABC	89	22	448	0.199	89	0.3	0.3	10.053	B
C-ABD	143	36	672	0.213	144	0.5	0.4	6.826	A
C-D	14	4			14				
C-A	124	31			124				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	159	40	459	0.346	160	0.8	0.5	12.077	B
A-BCD	55	14	693	0.079	55	0.2	0.1	5.647	A
A-B	33	8			33				
A-C	158	39			158				
D-ABC	75	19	467	0.160	75	0.3	0.2	9.195	A
C-ABD	114	28	663	0.171	114	0.4	0.3	6.557	A
C-D	12	3			12				
C-A	110	27			110				

2024 Base + Committed + Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		9.25	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2024 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	224	100.000
B - Clay Lane (East)		ONE HOUR	✓	135	100.000
C - Salthill Road (South)		ONE HOUR	✓	441	100.000
D - Clay Lane (West)		ONE HOUR	✓	171	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	78	117	29
	B - Clay Lane (East)	32	0	60	43
	C - Salthill Road (South)	180	247	0	14
	D - Clay Lane (West)	37	117	17	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	4	7
	B - Clay Lane (East)	0	0	0	0
	C - Salthill Road (South)	1	2	0	8
	D - Clay Lane (West)	6	0	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.36	13.64	0.6	B	124	186
A-BCD	0.08	6.48	0.1	A	39	58
A-B					67	100
A-C					100	150
D-ABC	0.49	18.31	0.9	C	157	235
C-ABD	0.55	11.21	1.5	B	308	462
C-D					7	10
C-A					90	135

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	102	25	470	0.216	101	0.0	0.3	9.730	A
A-BCD	29	7	596	0.049	29	0.0	0.1	6.341	A
A-B	56	14			56				
A-C	84	21			84				
D-ABC	129	32	434	0.297	127	0.0	0.4	11.667	B
C-ABD	236	59	685	0.345	234	0.0	0.6	7.944	A
C-D	7	2			7				
C-A	89	22			89				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	121	30	446	0.272	121	0.3	0.4	11.058	B
A-BCD	37	9	600	0.062	37	0.1	0.1	6.400	A
A-B	66	16			66				
A-C	99	25			99				
D-ABC	154	38	413	0.372	153	0.4	0.6	13.789	B
C-ABD	297	74	697	0.426	296	0.6	0.9	8.981	A
C-D	7	2			7				
C-A	92	23			92				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	149	37	413	0.360	148	0.4	0.5	13.533	B
A-BCD	50	12	606	0.082	49	0.1	0.1	6.476	A
A-B	79	20			79				
A-C	118	30			118				
D-ABC	188	47	385	0.489	187	0.6	0.9	18.028	C
C-ABD	390	97	713	0.547	387	0.9	1.4	11.052	B
C-D	7	2			7				
C-A	89	22			89				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	149	37	412	0.360	149	0.5	0.6	13.638	B
A-BCD	50	12	606	0.082	50	0.1	0.1	6.475	A
A-B	79	20			79				
A-C	118	30			118				
D-ABC	188	47	385	0.490	188	0.9	0.9	18.312	C
C-ABD	390	98	713	0.547	390	1.4	1.5	11.206	B
C-D	7	2			7				
C-A	88	22			88				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	121	30	445	0.273	122	0.6	0.4	11.168	B
A-BCD	37	9	599	0.062	37	0.1	0.1	6.400	A
A-B	66	16			66				
A-C	99	25			99				
D-ABC	154	38	413	0.373	155	0.9	0.6	14.052	B
C-ABD	298	74	698	0.427	300	1.5	0.9	9.131	A
C-D	7	2			7				
C-A	92	23			92				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	102	25	468	0.217	102	0.4	0.3	9.840	A
A-BCD	29	7	596	0.049	29	0.1	0.1	6.350	A
A-B	56	14			56				
A-C	84	21			84				
D-ABC	129	32	433	0.297	129	0.6	0.4	11.883	B
C-ABD	237	59	686	0.346	238	0.9	0.6	8.078	A
C-D	7	2			7				
C-A	88	22			88				

2024 Base + Committed + Development , PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		7.76	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2024 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	330	100.000
B - Clay Lane (East)		ONE HOUR	✓	217	100.000
C - Salthill Road (South)		ONE HOUR	✓	323	100.000
D - Clay Lane (West)		ONE HOUR	✓	98	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	52	228	50
	B - Clay Lane (East)	48	0	81	88
	C - Salthill Road (South)	176	127	0	20
	D - Clay Lane (West)	32	56	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	0	2
	B - Clay Lane (East)	0	0	5	0
	C - Salthill Road (South)	1	2	0	0
	D - Clay Lane (West)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.58	21.05	1.4	C	199	299
A-BCD	0.13	5.64	0.3	A	73	110
A-B					43	64
A-C					187	281
D-ABC	0.26	11.62	0.3	B	90	135
C-ABD	0.30	7.50	0.6	A	161	241
C-D					14	21
C-A					122	182

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	163	41	458	0.356	161	0.0	0.5	12.033	B
A-BCD	54	14	693	0.078	54	0.0	0.1	5.627	A
A-B	36	9			36				
A-C	158	40			158				
D-ABC	74	18	464	0.159	73	0.0	0.2	9.188	A
C-ABD	123	31	665	0.185	122	0.0	0.3	6.621	A
C-D	12	3			12				
C-A	108	27			108				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	195	49	438	0.445	194	0.5	0.8	14.702	B
A-BCD	70	17	710	0.098	70	0.1	0.2	5.625	A
A-B	42	11			42				
A-C	185	46			185				
D-ABC	88	22	445	0.198	88	0.2	0.2	10.079	B
C-ABD	155	39	673	0.230	155	0.3	0.4	6.948	A
C-D	14	3			14				
C-A	122	30			122				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	239	60	410	0.583	237	0.8	1.3	20.543	C
A-BCD	95	24	735	0.130	95	0.2	0.2	5.632	A
A-B	50	12			50				
A-C	218	55			218				
D-ABC	108	27	418	0.258	108	0.2	0.3	11.575	B
C-ABD	205	51	686	0.299	204	0.4	0.6	7.487	A
C-D	15	4			15				
C-A	136	34			136				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	239	60	409	0.584	239	1.3	1.4	21.048	C
A-BCD	95	24	735	0.130	95	0.2	0.3	5.635	A
A-B	50	12			50				
A-C	218	55			218				
D-ABC	108	27	418	0.258	108	0.3	0.3	11.616	B
C-ABD	205	51	686	0.299	205	0.6	0.6	7.502	A
C-D	15	4			15				
C-A	135	34			135				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	195	49	438	0.446	197	1.4	0.8	15.110	C
A-BCD	70	17	710	0.099	70	0.3	0.2	5.628	A
A-B	42	11			42				
A-C	185	46			185				
D-ABC	88	22	444	0.198	88	0.3	0.3	10.125	B
C-ABD	155	39	673	0.231	156	0.6	0.4	6.973	A
C-D	14	3			14				
C-A	121	30			121				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	163	41	458	0.357	164	0.8	0.6	12.318	B
A-BCD	54	14	693	0.078	54	0.2	0.1	5.638	A
A-B	36	9			36				
A-C	158	40			158				
D-ABC	74	18	464	0.159	74	0.3	0.2	9.247	A
C-ABD	123	31	665	0.185	124	0.4	0.3	6.661	A
C-D	12	3			12				
C-A	108	27			108				

2027 Base + Committed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		9.06	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2027 Base + Committed	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	223	100.000
B - Clay Lane (East)		ONE HOUR	✓	119	100.000
C - Salthill Road (South)		ONE HOUR	✓	441	100.000
D - Clay Lane (West)		ONE HOUR	✓	172	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	76	118	29
	B - Clay Lane (East)	26	0	49	44
	C - Salthill Road (South)	183	244	0	14
	D - Clay Lane (West)	37	118	17	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	4	7
	B - Clay Lane (East)	0	0	0	0
	C - Salthill Road (South)	1	2	0	8
	D - Clay Lane (West)	6	0	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.32	13.05	0.5	B	109	164
A-BCD	0.08	6.48	0.1	A	38	58
A-B					65	98
A-C					101	152
D-ABC	0.49	18.39	0.9	C	158	237
C-ABD	0.54	11.05	1.4	B	306	459
C-D					7	11
C-A					92	138

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	90	22	464	0.193	89	0.0	0.2	9.572	A
A-BCD	29	7	596	0.049	29	0.0	0.1	6.345	A
A-B	54	14			54				
A-C	85	21			85				
D-ABC	129	32	434	0.298	128	0.0	0.4	11.689	B
C-ABD	234	59	687	0.341	232	0.0	0.6	7.891	A
C-D	7	2			7				
C-A	91	23			91				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	107	27	440	0.243	107	0.2	0.3	10.774	B
A-BCD	37	9	599	0.061	37	0.1	0.1	6.407	A
A-B	64	16			64				
A-C	100	25			100				
D-ABC	155	39	414	0.374	154	0.4	0.6	13.828	B
C-ABD	295	74	698	0.422	294	0.6	0.9	8.897	A
C-D	7	2			7				
C-A	95	24			95				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	131	33	408	0.321	130	0.3	0.5	12.961	B
A-BCD	49	12	606	0.082	49	0.1	0.1	6.479	A
A-B	77	19			77				
A-C	119	30			119				
D-ABC	189	47	385	0.491	188	0.6	0.9	18.099	C
C-ABD	387	97	715	0.541	385	0.9	1.4	10.901	B
C-D	7	2			7				
C-A	92	23			92				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	131	33	407	0.322	131	0.5	0.5	13.047	B
A-BCD	50	12	605	0.082	50	0.1	0.1	6.483	A
A-B	77	19			77				
A-C	119	30			119				
D-ABC	189	47	385	0.492	189	0.9	0.9	18.389	C
C-ABD	388	97	715	0.542	388	1.4	1.4	11.047	B
C-D	7	2			7				
C-A	91	23			91				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	107	27	439	0.243	108	0.5	0.3	10.869	B
A-BCD	37	9	599	0.062	37	0.1	0.1	6.402	A
A-B	64	16			64				
A-C	99	25			99				
D-ABC	155	39	413	0.375	156	0.9	0.6	14.092	B
C-ABD	295	74	699	0.423	298	1.4	0.9	9.041	A
C-D	7	2			7				
C-A	94	23			94				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	90	22	463	0.194	90	0.3	0.2	9.666	A
A-BCD	29	7	595	0.049	29	0.1	0.1	6.354	A
A-B	54	14			54				
A-C	84	21			84				
D-ABC	129	32	433	0.299	130	0.6	0.4	11.906	B
C-ABD	235	59	687	0.342	236	0.9	0.6	8.019	A
C-D	7	2			7				
C-A	90	23			90				

2027 Base + Committed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		7.58	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2027 Base + Committed	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	330	100.000
B - Clay Lane (East)		ONE HOUR	✓	214	100.000
C - Salthill Road (South)		ONE HOUR	✓	317	100.000
D - Clay Lane (West)		ONE HOUR	✓	100	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	48	231	51
	B - Clay Lane (East)	47	0	78	89
	C - Salthill Road (South)	178	119	0	20
	D - Clay Lane (West)	33	57	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	0	2
	B - Clay Lane (East)	0	0	5	0
	C - Salthill Road (South)	1	3	0	0
	D - Clay Lane (West)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.58	20.64	1.3	C	196	295
A-BCD	0.13	5.64	0.3	A	74	112
A-B					39	59
A-C					189	284
D-ABC	0.26	11.63	0.4	B	92	138
C-ABD	0.28	7.33	0.5	A	151	227
C-D					14	21
C-A					125	188

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	161	40	458	0.352	159	0.0	0.5	11.959	B
A-BCD	55	14	694	0.079	55	0.0	0.1	5.627	A
A-B	33	8			33				
A-C	160	40			160				
D-ABC	75	19	465	0.162	75	0.0	0.2	9.191	A
C-ABD	116	29	664	0.174	114	0.0	0.3	6.548	A
C-D	12	3			12				
C-A	111	28			111				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	192	48	438	0.439	191	0.5	0.8	14.556	B
A-BCD	71	18	711	0.100	71	0.1	0.2	5.626	A
A-B	39	10			39				
A-C	187	47			187				
D-ABC	90	22	446	0.201	90	0.2	0.2	10.085	B
C-ABD	146	36	672	0.217	145	0.3	0.4	6.838	A
C-D	14	4			14				
C-A	125	31			125				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	236	59	410	0.575	234	0.8	1.3	20.178	C
A-BCD	97	24	736	0.131	96	0.2	0.3	5.638	A
A-B	46	11			46				
A-C	221	55			221				
D-ABC	110	28	420	0.262	110	0.2	0.3	11.589	B
C-ABD	193	48	685	0.281	192	0.4	0.5	7.311	A
C-D	16	4			16				
C-A	141	35			141				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	236	59	410	0.575	235	1.3	1.3	20.644	C
A-BCD	97	24	736	0.132	97	0.3	0.3	5.638	A
A-B	46	11			46				
A-C	221	55			221				
D-ABC	110	28	420	0.262	110	0.3	0.4	11.629	B
C-ABD	193	48	685	0.282	193	0.5	0.5	7.328	A
C-D	16	4			16				
C-A	140	35			140				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	192	48	437	0.440	194	1.3	0.8	14.937	B
A-BCD	71	18	711	0.100	71	0.3	0.2	5.629	A
A-B	39	10			39				
A-C	187	47			187				
D-ABC	90	22	446	0.202	90	0.4	0.3	10.132	B
C-ABD	146	37	673	0.217	147	0.5	0.4	6.856	A
C-D	14	4			14				
C-A	125	31			125				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	161	40	457	0.352	162	0.8	0.6	12.233	B
A-BCD	55	14	694	0.080	55	0.2	0.1	5.638	A
A-B	33	8			33				
A-C	160	40			160				
D-ABC	75	19	465	0.162	76	0.3	0.2	9.253	A
C-ABD	116	29	664	0.175	116	0.4	0.3	6.580	A
C-D	12	3			12				
C-A	110	28			110				

2027 Base + Committed + Development, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		9.41	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2027 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	226	100.000
B - Clay Lane (East)		ONE HOUR	✓	137	100.000
C - Salthill Road (South)		ONE HOUR	✓	447	100.000
D - Clay Lane (West)		ONE HOUR	✓	172	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	79	118	29
	B - Clay Lane (East)	32	0	61	44
	C - Salthill Road (South)	183	250	0	14
	D - Clay Lane (West)	37	118	17	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	4	7
	B - Clay Lane (East)	0	0	0	0
	C - Salthill Road (South)	1	2	0	8
	D - Clay Lane (West)	6	0	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.37	13.84	0.6	B	126	189
A-BCD	0.08	6.48	0.1	A	39	58
A-B					68	101
A-C					101	152
D-ABC	0.50	18.62	1.0	C	158	237
C-ABD	0.56	11.39	1.5	B	313	470
C-D					7	10
C-A					90	135

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	103	26	469	0.220	102	0.0	0.3	9.793	A
A-BCD	29	7	596	0.049	29	0.0	0.1	6.342	A
A-B	57	14			57				
A-C	85	21			85				
D-ABC	129	32	433	0.299	128	0.0	0.4	11.745	B
C-ABD	240	60	687	0.350	238	0.0	0.6	7.989	A
C-D	7	2			7				
C-A	90	22			90				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	123	31	445	0.277	123	0.3	0.4	11.162	B
A-BCD	37	9	600	0.062	37	0.1	0.1	6.403	A
A-B	67	17			67				
A-C	99	25			99				
D-ABC	155	39	412	0.376	154	0.4	0.6	13.926	B
C-ABD	302	75	698	0.432	301	0.6	0.9	9.060	A
C-D	7	2			7				
C-A	93	23			93				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	151	38	412	0.367	150	0.4	0.6	13.725	B
A-BCD	50	12	606	0.082	50	0.1	0.1	6.479	A
A-B	80	20			80				
A-C	119	30			119				
D-ABC	189	47	383	0.494	188	0.6	0.9	18.313	C
C-ABD	397	99	715	0.555	394	0.9	1.5	11.227	B
C-D	7	2			7				
C-A	89	22			89				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	151	38	411	0.367	151	0.6	0.6	13.841	B
A-BCD	50	12	606	0.082	50	0.1	0.1	6.478	A
A-B	80	20			80				
A-C	119	30			119				
D-ABC	189	47	382	0.495	189	0.9	1.0	18.616	C
C-ABD	397	99	715	0.556	397	1.5	1.5	11.389	B
C-D	7	2			7				
C-A	88	22			88				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	123	31	444	0.278	124	0.6	0.4	11.279	B
A-BCD	37	9	599	0.062	37	0.1	0.1	6.400	A
A-B	67	17			67				
A-C	99	25			99				
D-ABC	155	39	411	0.376	156	1.0	0.6	14.200	B
C-ABD	303	76	699	0.433	305	1.5	0.9	9.221	A
C-D	7	2			7				
C-A	92	23			92				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	103	26	467	0.221	104	0.4	0.3	9.908	A
A-BCD	29	7	595	0.049	29	0.1	0.1	6.355	A
A-B	57	14			57				
A-C	84	21			84				
D-ABC	129	32	432	0.300	130	0.6	0.4	11.969	B
C-ABD	241	60	687	0.351	242	0.9	0.7	8.125	A
C-D	7	2			7				
C-A	89	22			89				

2027 Base + Committed + Development , PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		8.08	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2027 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Salthill Road (North)		ONE HOUR	✓	336	100.000
B - Clay Lane (East)		ONE HOUR	✓	222	100.000
C - Salthill Road (South)		ONE HOUR	✓	330	100.000
D - Clay Lane (West)		ONE HOUR	✓	100	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	54	231	51
	B - Clay Lane (East)	49	0	84	89
	C - Salthill Road (South)	178	132	0	20
	D - Clay Lane (West)	33	57	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A - Salthill Road (North)	B - Clay Lane (East)	C - Salthill Road (South)	D - Clay Lane (West)
From	A - Salthill Road (North)	0	0	0	2
	B - Clay Lane (East)	0	0	5	0
	C - Salthill Road (South)	1	2	0	0
	D - Clay Lane (West)	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-ACD	0.60	22.07	1.5	C	204	306
A-BCD	0.13	5.65	0.3	A	75	113
A-B					44	66
A-C					189	283
D-ABC	0.26	11.79	0.4	B	92	138
C-ABD	0.31	7.65	0.6	A	168	252
C-D					14	20
C-A					121	182

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	167	42	457	0.366	165	0.0	0.6	12.236	B
A-BCD	56	14	694	0.080	55	0.0	0.1	5.629	A
A-B	37	9			37				
A-C	160	40			160				
D-ABC	75	19	463	0.163	75	0.0	0.2	9.256	A
C-ABD	128	32	665	0.193	127	0.0	0.3	6.686	A
C-D	12	3			12				
C-A	108	27			108				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	200	50	436	0.458	199	0.6	0.8	15.082	C
A-BCD	72	18	712	0.101	72	0.1	0.2	5.630	A
A-B	44	11			44				
A-C	187	47			187				
D-ABC	90	22	443	0.203	90	0.2	0.3	10.175	B
C-ABD	162	40	673	0.240	161	0.3	0.4	7.039	A
C-D	14	3			14				
C-A	121	30			121				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	244	61	407	0.600	242	0.8	1.4	21.470	C
A-BCD	98	25	737	0.133	98	0.2	0.3	5.644	A
A-B	51	13			51				
A-C	220	55			220				
D-ABC	110	28	416	0.265	110	0.3	0.4	11.739	B
C-ABD	214	53	686	0.312	213	0.4	0.6	7.625	A
C-D	15	4			15				
C-A	135	34			135				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	244	61	407	0.601	244	1.4	1.5	22.068	C
A-BCD	98	25	737	0.133	98	0.3	0.3	5.647	A
A-B	51	13			51				
A-C	220	55			220				
D-ABC	110	28	416	0.265	110	0.4	0.4	11.785	B
C-ABD	214	53	686	0.312	214	0.6	0.6	7.650	A
C-D	15	4			15				
C-A	134	34			134				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	200	50	436	0.458	202	1.5	0.9	15.548	C
A-BCD	72	18	712	0.101	72	0.3	0.2	5.635	A
A-B	44	11			44				
A-C	186	47			186				
D-ABC	90	22	443	0.203	90	0.4	0.3	10.226	B
C-ABD	162	40	673	0.240	163	0.6	0.4	7.067	A
C-D	14	3			14				
C-A	121	30			121				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-ACD	167	42	456	0.366	168	0.9	0.6	12.543	B
A-BCD	56	14	694	0.080	56	0.2	0.1	5.643	A
A-B	37	9			37				
A-C	160	40			160				
D-ABC	75	19	462	0.163	76	0.3	0.2	9.316	A
C-ABD	128	32	665	0.193	129	0.4	0.3	6.727	A
C-D	12	3			12				
C-A	108	27			108				

Junctions 9
PICADY 9 - Priority Intersection Module
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Filename: Site Access.j9

Path: T:\Projects\12000 Series Project Numbers\12230ITB Land at Clay Lane\Tech\Junction Assessments\Picady

Report generation date: 10/02/2022 12:22:45

- »2024 Base + Committed + Development, AM
- »2024 Base + Committed + Development, PM
- »2027 Base + Committed + Development, AM
- »2027 Base + Committed + Development, PM

Summary of junction performance

	AM			PM		
	Queue (Veh)	Delay (s)	RFC	Queue (Veh)	Delay (s)	RFC
2024 Base + Committed + Development						
Stream B-AC	0.1	7.79	0.07	0.0	7.47	0.03
Stream C-AB	0.0	4.53	0.03	0.1	5.43	0.04
2027 Base + Committed + Development						
Stream B-AC	0.1	7.82	0.07	0.0	7.50	0.03
Stream C-AB	0.0	4.52	0.03	0.1	5.41	0.04

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

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

File summary

File Description

Title	
Location	
Site number	
Date	21/10/2020
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	I-TRANSPORT\peter.snell
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	mph	Veh	Veh	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2024 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	15	✓
D2	2024 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	15	✓
D3	2027 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	15	✓
D4	2027 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

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

2024 Base + Committed + Development, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	C - Clay Lane (North) - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.57	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Clay Lane (South)		Major
B	Site Access		Minor
C	Clay Lane (North)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - Clay Lane (North)	5.10			67.2	✓	0.00

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	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Site Access	One lane	3.40	16	17

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	511	0.097	0.244	0.154	0.349
1	B-C	660	0.105	0.266	-	-
1	C-B	613	0.247	0.247	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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 segment length (min)	Run automatically
D1	2024 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Clay Lane (South)		ONE HOUR	✓	125	100.000
B - Site Access		ONE HOUR	✓	33	100.000
C - Clay Lane (North)		ONE HOUR	✓	442	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	8	117
	B - Site Access	15	0	18
	C - Clay Lane (North)	432	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	0	0
	B - Site Access	0	0	0
	C - Clay Lane (North)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.07	7.79	0.1	A	30	45
C-AB	0.03	4.53	0.0	A	18	26
C-A					388	582
A-B					7	11
A-C					107	161

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	25	6	526	0.047	25	0.0	0.0	7.182	A
C-AB	13	3	807	0.016	13	0.0	0.0	4.529	A
C-A	320	80			320				
A-B	6	2			6				
A-C	88	22			88				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	30	7	514	0.058	30	0.0	0.1	7.426	A
C-AB	17	4	846	0.020	17	0.0	0.0	4.339	A
C-A	381	95			381				
A-B	7	2			7				
A-C	105	26			105				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	36	9	498	0.073	36	0.1	0.1	7.793	A
C-AB	23	6	900	0.026	23	0.0	0.0	4.104	A
C-A	463	116			463				
A-B	9	2			9				
A-C	129	32			129				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	36	9	498	0.073	36	0.1	0.1	7.795	A
C-AB	23	6	900	0.026	23	0.0	0.0	4.106	A
C-A	463	116			463				
A-B	9	2			9				
A-C	129	32			129				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	30	7	514	0.058	30	0.1	0.1	7.431	A
C-AB	17	4	846	0.020	17	0.0	0.0	4.344	A
C-A	381	95			381				
A-B	7	2			7				
A-C	105	26			105				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	25	6	526	0.047	25	0.1	0.0	7.188	A
C-AB	13	3	807	0.016	13	0.0	0.0	4.533	A
C-A	320	80			320				
A-B	6	2			6				
A-C	88	22			88				

2024 Base + Committed + Development, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	C - Clay Lane (North) - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.52	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2024 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Clay Lane (South)		ONE HOUR	✓	225	100.000
B - Site Access		ONE HOUR	✓	14	100.000
C - Clay Lane (North)		ONE HOUR	✓	235	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	15	210
	B - Site Access	6	0	8
	C - Clay Lane (North)	216	19	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	0	2
	B - Site Access	0	0	0
	C - Clay Lane (North)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.03	7.47	0.0	A	13	19
C-AB	0.04	5.43	0.1	A	25	37
C-A					191	286
A-B					14	21
A-C					193	289

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	3	526	0.020	10	0.0	0.0	6.983	A
C-AB	19	5	681	0.028	19	0.0	0.0	5.432	A
C-A	158	40			158				
A-B	11	3			11				
A-C	158	40			158				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	3	514	0.024	13	0.0	0.0	7.178	A
C-AB	24	6	696	0.034	24	0.0	0.0	5.357	A
C-A	188	47			188				
A-B	13	3			13				
A-C	189	47			189				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	4	497	0.031	15	0.0	0.0	7.469	A
C-AB	31	8	716	0.044	31	0.0	0.1	5.259	A
C-A	227	57			227				
A-B	17	4			17				
A-C	231	58			231				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	4	497	0.031	15	0.0	0.0	7.469	A
C-AB	31	8	716	0.044	31	0.1	0.1	5.262	A
C-A	227	57			227				
A-B	17	4			17				
A-C	231	58			231				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	3	514	0.024	13	0.0	0.0	7.182	A
C-AB	24	6	696	0.034	24	0.1	0.0	5.359	A
C-A	187	47			187				
A-B	13	3			13				
A-C	189	47			189				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	3	526	0.020	11	0.0	0.0	6.986	A
C-AB	19	5	681	0.028	19	0.0	0.0	5.433	A
C-A	158	40			158				
A-B	11	3			11				
A-C	158	40			158				

2027 Base + Committed + Development, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	C - Clay Lane (North) - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.56	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2027 Base + Committed + Development	AM	ONE HOUR	07:45	09:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Clay Lane (South)		ONE HOUR	✓	127	100.000
B - Site Access		ONE HOUR	✓	33	100.000
C - Clay Lane (North)		ONE HOUR	✓	448	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	8	119
	B - Site Access	15	0	18
	C - Clay Lane (North)	438	10	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	0	0
	B - Site Access	0	0	0
	C - Clay Lane (North)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.07	7.82	0.1	A	30	45
C-AB	0.03	4.52	0.0	A	18	27
C-A					393	590
A-B					7	11
A-C					109	164

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	25	6	525	0.047	25	0.0	0.0	7.194	A
C-AB	13	3	810	0.016	13	0.0	0.0	4.514	A
C-A	325	81			325				
A-B	6	2			6				
A-C	90	22			90				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	30	7	513	0.058	30	0.0	0.1	7.442	A
C-AB	17	4	849	0.020	17	0.0	0.0	4.322	A
C-A	386	96			386				
A-B	7	2			7				
A-C	107	27			107				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	36	9	497	0.073	36	0.1	0.1	7.815	A
C-AB	24	6	904	0.026	24	0.0	0.0	4.087	A
C-A	470	117			470				
A-B	9	2			9				
A-C	131	33			131				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	36	9	497	0.073	36	0.1	0.1	7.817	A
C-AB	24	6	904	0.026	24	0.0	0.0	4.088	A
C-A	470	117			470				
A-B	9	2			9				
A-C	131	33			131				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	30	7	513	0.058	30	0.1	0.1	7.444	A
C-AB	17	4	849	0.020	17	0.0	0.0	4.326	A
C-A	386	96			386				
A-B	7	2			7				
A-C	107	27			107				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	25	6	525	0.047	25	0.1	0.1	7.200	A
C-AB	13	3	810	0.016	13	0.0	0.0	4.516	A
C-A	325	81			325				
A-B	6	2			6				
A-C	90	22			90				

2027 Base + Committed + Development, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	C - Clay Lane (North) - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.51	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2027 Base + Committed + Development	PM	ONE HOUR	16:45	18:15	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	Average Demand (Veh/hr)	Scaling Factor (%)
A - Clay Lane (South)		ONE HOUR	✓	230	100.000
B - Site Access		ONE HOUR	✓	14	100.000
C - Clay Lane (North)		ONE HOUR	✓	242	100.000

Origin-Destination Data

Demand (Veh/hr)

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	15	215
	B - Site Access	6	0	8
	C - Clay Lane (North)	223	19	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - Clay Lane (South)	B - Site Access	C - Clay Lane (North)
From	A - Clay Lane (South)	0	0	2
	B - Site Access	0	0	0
	C - Clay Lane (North)	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-AC	0.03	7.50	0.0	A	13	19
C-AB	0.04	5.41	0.1	A	25	37
C-A					197	296
A-B					14	21
A-C					197	296

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	3	525	0.020	10	0.0	0.0	7.003	A
C-AB	19	5	684	0.028	19	0.0	0.0	5.411	A
C-A	163	41			163				
A-B	11	3			11				
A-C	162	40			162				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	3	512	0.025	13	0.0	0.0	7.204	A
C-AB	24	6	699	0.034	24	0.0	0.0	5.332	A
C-A	194	48			194				
A-B	13	3			13				
A-C	193	48			193				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	4	495	0.031	15	0.0	0.0	7.503	A
C-AB	32	8	720	0.044	32	0.0	0.1	5.231	A
C-A	235	59			235				
A-B	17	4			17				
A-C	237	59			237				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	4	495	0.031	15	0.0	0.0	7.503	A
C-AB	32	8	720	0.044	32	0.1	0.1	5.234	A
C-A	235	59			235				
A-B	17	4			17				
A-C	237	59			237				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	3	512	0.025	13	0.0	0.0	7.208	A
C-AB	24	6	699	0.034	24	0.1	0.0	5.334	A
C-A	194	48			194				
A-B	13	3			13				
A-C	193	48			193				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	3	524	0.020	11	0.0	0.0	7.004	A
C-AB	19	5	684	0.028	19	0.0	0.0	5.412	A
C-A	163	41			163				
A-B	11	3			11				
A-C	162	40			162				

APPENDIX L. A27/A259 Fishbourne Roundabout Impact Assessment Technical Note

Technical Note

Project No: ITB12230
Project Title: Land at Clay Lane, Fishbourne
Title: A27 / A259 Fishbourne Roundabout Impact Assessment
Ref: ZB/12230-005 TN
Date: 21 October 2020

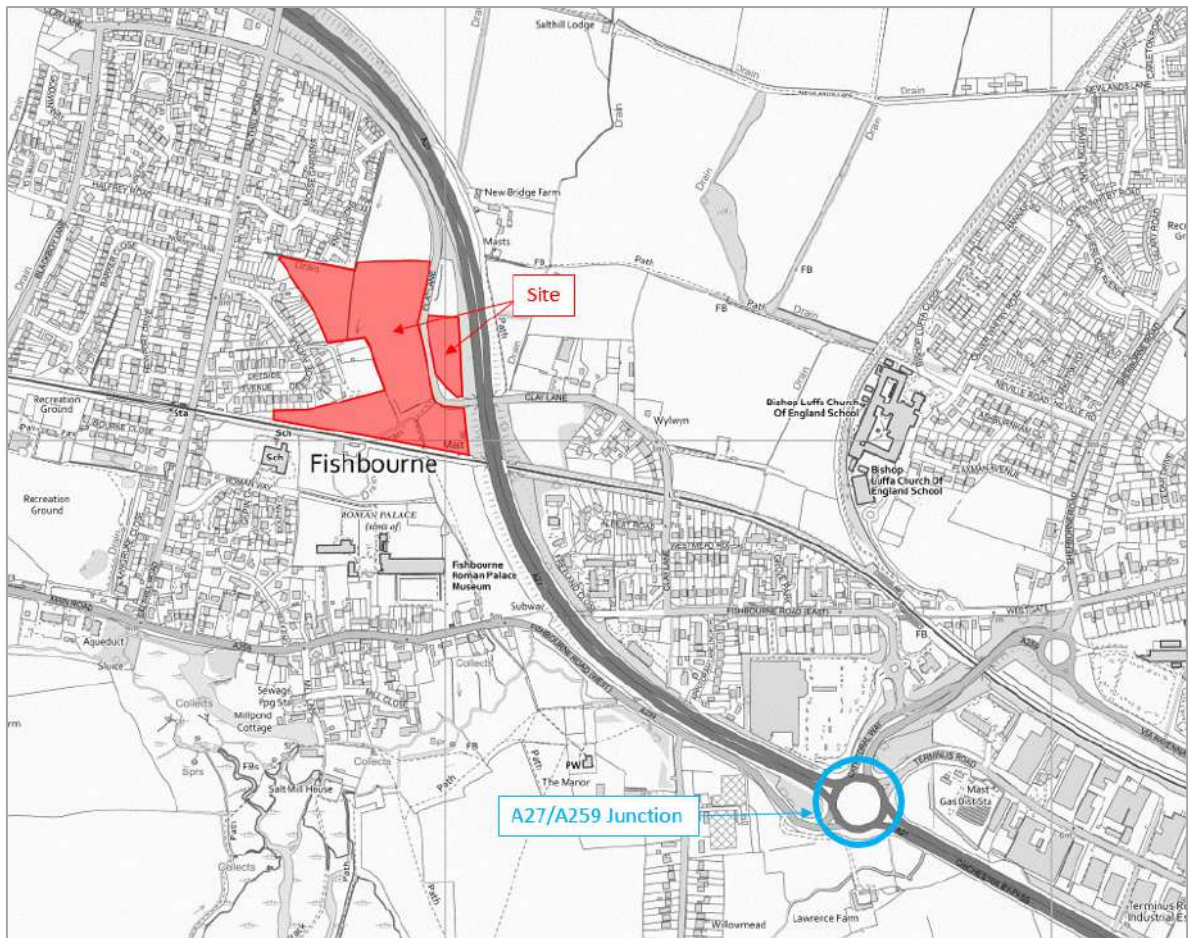
SECTION 1 INTRODUCTION

1.1 Introduction

1.1.1 Gleeson Strategic Land Limited has appointed i-Transport LLP to provide transport and highways advice for an outline planning application for a residential development comprised of some 140 new dwellings, with associated public open space, landscaping, street infrastructure and drainage, new vehicular accesses from Clay Lane in Fishbourne, West Sussex.

1.1.2 The site is located to the north-east of Fishbourne village, some 2km west of Chichester town centre and some 1.6km north-west of the A27 Chichester Bypass / A259 Fishbourne Roundabout. The location of the site and its proximity to the A27 Chichester Bypass / A259 Fishbourne Roundabout is shown on **Image 1** below.

Image 1.1: Site Location



Source: Consultant

- 1.1.3 This A27/A259 Impact Assessment Technical Note identifies the likely traffic impact on the A27 Chichester Bypass / A259 Fishbourne Roundabout junction (located some 1.6km south-east of the site) resulting from the development.
- 1.1.4 Accordingly, Section 2 presents an overview of the local highway network within the vicinity of the site, Section 3 sets out the methodology for assessing the traffic impact and Section 4 identifies the resultant traffic impact from the development. The Conclusion is presented in Section 5.

SECTION 2 LOCAL HIGHWAY NETWORK

- 2.1.1 The site is made up of two parcels of land, separated by Clay Lane. The parcels of land are bounded to the north by open greenfield land, to the east by the A27, to the south by the railway line and the west by residential dwellings.
- 2.1.2 To the north, Clay Lane provides a connection between Salthill Road, and beyond to B2146 Ratham Lane, to the west and Fishbourne Road E to the east.

2.1.3 Salthill Road connects to the B2178 to the north, which in turn provides a connection eastbound to Chichester town centre and an alternative route to the A27 (north of Bosham), via the B2146 Ratham Lane, to the west. To the south, Salthill Road provides a connection to the A259 Fishbourne Road W, in the centre of Fishbourne. The A259 provides an alternative connection to the A27 / A259 Fishbourne Roundabout junction to the east and the A27 / Emsworth Road roundabouts in Warblington to the west.

2.1.4 Fishbourne Road E provides a connection south-east to the A259 Cathedral Way, which in turn provides a further connection to the centre of Chichester to the east and further connection to the A27 / A259 Fishbourne Roundabout junction to the west.

2.1.5 The local highway network within the vicinity of the site is shown on **Image 2** below.

Image 2: Local Highway Network



Source: Consultant

2.1.6 The site is therefore well placed to gain access to the local highway network. The potential reliance of residents from the development on the A27 strategic network is therefore limited to destinations further afield such as, Portsmouth and London to the west and Worthing and Brighton to the east.

2.2 Proposed Access

2.2.1 Vehicular access to the two parcels of land are proposed from Clay Lane. Access to 'Site 1' (western parcel) will be taken from the western side of Clay Lane, some 320m south of the existing Hannah Place

/ Taylor’s Copse junction with Clay Lane while access for ‘Site 2’ (eastern parcel) will be taken some 370m south of the existing Hannah Place / Taylor’s Copse junction with Clay Lane.

2.2.2 It is proposed to provide access to the two parcels of land in the form of simple priority junctions with carriageway widths of 5.5m and 10m wide kerb radii.

SECTION 3 TRAFFIC IMPACT METHODOLOGY

3.1 Potential Trip Generation

3.1.1 To understand the potential vehicular trip generation of the development, an assessment has been undertaken using residential trip rates derived from comparable survey data contained within the TRICS trip generation database.

3.1.2 It is generally accepted that private houses generate more vehicle trips when compared to flats and affordable houses. Therefore, an assessment has been undertaken using trip rates for private houses, which is considered to be robust.

3.1.3 The proposed trip rates and traffic generation for up to 140 private houses are shown in **Table 3.1**.

Table 3.1: Proposed Trip Generation – Privately Owned Houses (140 Dwellings)

Time Period	Morning Peak Hour (08:00-09:00)			Evening Peak Hour (17:00-18:00)		
	In	Out	Two-Way	In	Out	Two-Way
Vehicular Trip Rate	0.172	0.316	0.488	0.325	0.136	0.461
Vehicular Trips	24	44	68	46	19	65

Source: TRICS / Consultant’s calculations

3.1.4 The development is therefore expected to generate up to 68 additional two-way vehicle movements in the morning peak hour and up to 65 two-way vehicle movements in the evening peak hour, equating to approximately one additional two-way vehicle movement per minute.

3.2 Traffic Distribution and Assignment

Journey Purpose

3.2.1 Data derived from the National Travel Survey (NTS) 2019 (DfT) outlines the proportion of peak hour trips made by car, split into journey purpose (**Table 3.2**).

Table 3.2: Proportion of Peak Hour Trips by Journey Purpose (Car Driver Only)

Trip Purpose	AM Peak (08:00-09:00)	PM Peak (17:00-18:00)
Commuting/Business	37.60%	43.90%
All Other Journey Purposes	62.40%	56.10%
Total	100%	100%

Source: Car driver trip start time by trip purpose (Monday to Friday only): Great Britain, 2014/18, National Travel Survey, DfT, 2019

3.2.2 Some 38% of the total vehicular trips generated by the residential development will be for employment journeys in the morning peak hour period. The remaining 62% of the vehicle trips will be all other purposes, including education, shopping, leisure and personal business trips. In the evening peak hour, 44% of journeys are employment related with other journeys comprising 56% of the total vehicular trips.

3.2.3 For the purpose of this assessment, the analysis has been undertaken on the basis that 44% of the total vehicular trips generated by the residential development will be for employment journeys and the remaining 56% of the vehicle trips will be for all other purposes for both the morning and evening peak hours. This provides a robust estimate because it assumes a greater proportion of non-local (e.g. work) journeys.

Trip Distribution

3.2.4 To provide an accurate assessment of the likely distribution of traffic from the site, separate methodologies have been applied to consider the destinations of commuting and business trips to other trip purposes: -

- For commuting and business trips, the National Census Journey to Work statistics (for car drivers) for the Chichester 011 Super Output Area – Middle Layer has been used. This identifies the location of existing resident’s employment locations and so identifies existing commuting patterns; and
- For other journey purpose trips a P/T2 gravity model has been undertaken using the population of key urban areas (from the 2011 census) within a 30-minute drive from the site (estimated from Google Maps Directions facility).

3.2.5 The two sets of data are then combined to generate a single set of distribution parameters to inform the development trip assignment (**Table 3.3**).

Table 3.3: Distribution of Car Driver Trips (All Purpose)

Broad Destination	Employment Trips %	Non Employment Trips %	Combined %
Bognor Regis	3%	10%	12%
Chichester	21%	9%	29%
Fishbourne	3%	6%	9%
Hampshire	1%	0%	1%
Havant	2%	8%	11%
Littlehampton	1%	4%	4%
London	0%	0%	0%
Portsmouth	3%	20%	23%
Southbourne	1%	0%	1%
Worthing	1%	0%	1%
Other	8%	0%	8%
Total	44%	56%	100%

Source: 2011 Census / Consultant Gravity Model (rounding applied)

3.2.6 This identifies that Chichester is the main attractor, with 29% of total travel demand, followed by Portsmouth (23%), Bognor Regis (12%), Havant (11%) and Fishbourne (9%). The remainder of trips are well distributed across various destinations.

Assignment

3.2.7 The expected traffic that would be generated by the development is then distributed onto the local network to the destinations identified in **Table 3.3**.

3.2.8 To determine the routing of vehicle trips to these destinations, trips were assigned to the road network based on the quickest route from the site to the destination location using the Google Maps 'Directions' Facility. Within the Directions facility, a start time for journeys of 08:00 was utilised to reflect peak period traffic conditions. In some cases, a single route option was identified by the assessment, however for the majority of destinations the assessment identified multiple routes. In these cases, development trips were distributed to the possible routes based upon the journey times identified, with the quickest route assigned a larger number of trips.

3.2.9 The full distribution and assignment model is included in **Appendix A**.

SECTION 4 TRAFFIC IMPACT ASSESSMENT

4.1 Using the information presented in **Table 3.1** and the distribution and assignment model contained in **Appendix A**, the total two-way development related traffic anticipated to travel through the A27 / A259 Fishbourne Roundabout junction has been calculated. **Table 4.1** and **Table 4.2** present the morning and evening peak hour development assignment respectively.

Table 4.1: Development Traffic - Morning Peak Hour Traffic Flows

	A	B	C	D	E
A	0	0	8	0	6
B	0	0	0	0	0
C	5	0	0	1	0
D	0	0	3	0	0
E	3	0	0	0	0

Notes: Arm A - A259 Cathedral Way, Arm B - Terminus Road, Arm C - A27 Chichester Bypass SE, Arm D - A258 Fishbourne Road West, Arm E - A27 Chichester Bypass NW

Table 4.2: Development Traffic - Evening Peak Hour Traffic Flows

	A	B	C	D	E
A	0	0	4	0	2
B	0	0	0	0	0
C	9	0	0	3	0
D	0	0	1	0	0
E	6	0	0	0	0

Notes: Arm A - A259 Cathedral Way, Arm B - Terminus Road, Arm C - A27 Chichester Bypass SE, Arm D - A258 Fishbourne Road West, Arm E - A27 Chichester Bypass NW

4.2 As can be seen, the development proposal is predicted to add the following total two-way morning and evening peak hour vehicle movements through the junction: -

- Morning peak hour – 26 (less than one additional vehicle every two minutes); and
- Evening peak hour – 25 (less than one additional vehicle every two minutes).

SECTION 5 CONCLUSION

5.1.1 The development is predicted to add up to 26 two-way vehicle movements (equating to approximately one additional vehicle every two minutes) through the junction. This is well within what could be considered daily fluctuations.

- 5.1.2 This marginal increase in flows will not materially affect the safety, reliability and/or operation of the strategic network in this location.

- 5.1.3 Notwithstanding that, we would look to engage with HE to discuss whether it is appropriate to make a contribution to the identified A27 Fishbourne Roundabout junction improvements.

APPENDIX A. DISTRIBUTION AND ASSIGMENT MODEL

		% Car by Destination	Proportion by car	Proportion per route	Route Proportion by Car	Route 1	Route 2	Route 3	Route 4	Route 5
Chichester	1499	60.0%	46.9%	60.0%	28.17%	Clay Lane N	Salthill Road N	-	-	-
Fishbourne	252	54.8%	7.2%	40.0%	18.78%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	Westgate	-
Portsmouth	155	72.9%	5.9%	100.0%	7.21%	Clay Lane N	Salthill Road S	-	-	-
Bognor Regis	135	83.7%	5.9%	75.0%	4.43%	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (W)	-	-
Havant	111	83.8%	4.9%	25.0%	1.48%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Southbourne	105	61.0%	3.3%	50.0%	2.95%	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (E)	A27 E	-
London	81	25.9%	1.1%	50.0%	2.95%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E
Hampshire	58	94.8%	2.9%	50.0%	2.43%	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (W)	-	-
Littlehampton	51	78.4%	2.1%	50.0%	2.43%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Worthing	45	73.3%	1.7%	100.0%	3.34%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
Other	2918	18.1%	18.1%	100.0%	1.10%	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W
	5410		100.0%		100.0%					

ROUTING

Route	% Car by Destination	Proportion by car
Route 1		44.00%
Clay Lane N	48.0%	21.1%
Clay Lane S	52.0%	22.9%
	100.0%	44.0%
Route 2		44.0%
Fishbourne Road E	52.0%	22.9%
Salthill Road N	31.0%	13.7%
Salthill Road S	17.0%	7.5%
	100.0%	44.0%
Route 3		44.0%
A259 Cathedral Way E	52.0%	22.9%
A259 Fishbourne Road W (E)	3.0%	1.3%
A259 Fishbourne Road W (W)	6.9%	3.0%
-	38.2%	16.8%
	100.0%	44.0%
Route 4		44.0%
A259 Cathedral Way W	33.2%	14.6%
Westgate	18.8%	8.3%
A27 E	3.0%	1.3%
-	45.1%	19.8%
	100.0%	44.0%
Route 5		44.0%
A27 E	24.8%	10.9%
A27 W	8.3%	3.7%
-	66.8%	29.4%
	100.0%	44.0%

Location	Route 1	Route 2	Route 3	Route 4	Route 5	Times (Mins)	2011 Census Total Population	P/T	P/T^2	% of Total	Car Driver Mode Split	% of Car Driver	% of Car Driver By Route
Chichester	Clay Lane N	Salthill Road N	-	-	-	12	28,657	2388	199	18.3%	60%	11.0%	15.4%
	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	Westgate	-								9%
Fishbourne	Clay Lane N	Salthill Road S	-	-	-	4	2,325	581	145	13.4%	55%	7.3%	10.3%
	Clay Lane S	Salthill Road S	A259 Fishbourne Road W (W)	-	-								6%
Portsmouth	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (W)	-	-	25	238,137	9525	381	35.1%	73%	26%	35.8%
	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W								27%
Bognor Regis	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (E)	A27 E	-	20	63,885	3194	160	14.7%	84%	12.3%	17.2%
	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E								9%
Havant	Clay Lane N	Salthill Road S	A259 Fishbourne Road W (W)	-	-	18	45,125	2507	139	12.8%	84%	11%	15%
	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 W								8%
Littlehampton	Clay Lane S	Fishbourne Road E	A259 Cathedral Way E	A259 Cathedral Way W	A27 E	30	55,706	1857	62	5.7%	78%	4.5%	6.3%
							433,835	20053	1086	100.0%		100.0%	100.0%

Route 1	100.0%	56.0%
Clay Lane N	62.5%	35.0%
Clay Lane S	37.5%	21.0%
	100.0%	56.0%

Route 2	100.0%	56.0%
Fishbourne Road E	37.5%	21.0%
Salthill Road N	9.2%	5.2%
Salthill Road S	53.3%	29.8%
	100.0%	56.0%

Route 3	100.0%	56.0%
A259 Cathedral Way E	37.5%	21.0%
A259 Fishbourne Road W (E)	8.6%	4.8%
A259 Fishbourne Road W (W)	34.4%	19.3%
-	19.5%	10.9%
	100.0%	56.0%

Route 4	100.0%	56.0%
A259 Cathedral Way W	31.4%	17.6%
Westgate	6.2%	3.4%
A27 E	8.6%	4.8%
-	53.9%	30.2%
	100.0%	56.0%

Route 5	100.0%	56.0%
A27 E	14.9%	8.3%
A27 W	16.5%	9.2%
-	68.6%	38.4%
	100.0%	56.0%

Route 1	JTW	Gravity	Combined
Clay Lane N	21.1%	35.0%	56%
Clay Lane S	22.9%	21.0%	44%
	44.0%	56.0%	100.0%

Route 2	JTW	Gravity	Combined
Fishbourne Road E	22.9%	21.0%	44%
Salthill Road N	13.7%	5.2%	19%
Salthill Road S	7.5%	29.8%	37%
	44.0%	56.0%	100.0%

Route 3	JTW	Gravity	Combined
A259 Cathedral Way E	22.9%	21.0%	44%
A259 Fishbourne Road W (E)	1.3%	4.8%	6%
A259 Fishbourne Road W (W)	3.0%	19.3%	22%
-	16.8%	10.9%	28%
	44.0%	56.0%	100.0%

Route 4	JTW	Gravity	Combined
A259 Cathedral Way W	14.6%	17.6%	32%
Westgate	8.3%	3.4%	12%
A27 E	1.3%	4.8%	6%
-	19.8%	30.2%	50%
	44.0%	56.0%	100.0%

Route 5	JTW	Gravity	Combined
A27 E	10.9%	8.3%	19%
A27 W	3.7%	9.2%	13%
-	29.4%	38.4%	68%
	44.0%	56.0%	100.0%

