



Redsun Projects Ltd

# Croft Retail Park, Bromborough

## Transport Assessment

June 2021



Redsun Projects Ltd

# Croft Retail Park, Bromborough

## Transport Assessment

OFFICE ADDRESS:  
106 Albert Mill,  
10 Hulme Hall Road,  
Manchester,  
M15 4LY

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# 1. Introduction

## 1.1 Preamble

- 1.1.1 Mode Transport Planning ('Mode') has been appointed by Redsun Projects Ltd (the 'Applicant') to provide transport and highways advice in relation to a hybrid planning application for an industrial-led mixed-use development adjacent to Croft Retail Park in Bromborough, Wirral.
- 1.1.2 The development proposals comprise seven Industrial Units (Use Class E(g)(iii)/B2/B8), total floor area 6,567sqm, and drive-thru café/ restaurant (Use Class A3), floor area up to 205sqm. The site will be accessed via a new one-way route between Welton Road (west and east).
- 1.1.3 The proposed industrial units to the south (Unit 1 and Units 2A-D) and to the north (Unit 3 and Unit 4) of the access road will be subject to a full planning application. The proposed drive-thru café/ restaurant will be subject to an outline application, with details to be submitted as part of a later reserved matters application.
- 1.1.4 This Transport Assessment (TA) has been prepared to assess the development proposals, with consideration to expected trip generation, accessibility by sustainable modes of travel, servicing/delivery arrangements, on-site car parking provision and local highway traffic impact.

## 1.2 Methodology

- 1.2.1 The methodology of the TA adopts the guidance set out with the Department for Transport (DfT) 'Transport Evidence Bases in Plan Making and Decision Taking' (2014), which superseded 'Guidance on Transport Assessment' (2007). While the 2014 guidance places a focus on agreeing a scope of works with the Local Highway Authority, the 2007 guidance nonetheless remains instructive and therefore informs the structure of the TA.
- 1.2.2 The scope of the TA also broadly follows scoping discussions with the Local Highway Authority, Wirral Metropolitan Borough Council (WMBC), which were undertaken in October 2018 for a previous mixed-use development scheme at the site (comprising A1 Retail Unit, six B2/B8 Industrial Units, A4 Public House/Restaurant and C1 Hotel). Although the latest development proposals have changed, it is considered that the general scope of assessment previously agreed with WMBC Highway remains applicable.
- 1.2.3 Background traffic surveys were conducted on Friday 5<sup>th</sup> October 2018.
- 1.2.4 A Framework Travel Plan is included within [Chapter 9](#) of this report, setting out a framework for occupiers to adopt in their own Travel Plans to encourage sustainable travel and reduce single occupancy vehicle trips.

## 1.3 Report Structure

1.3.1 Following this introduction, the TA has been structured as follows:

- Chapter 2 sets out the relevant national and local transport policy and guidance context;
- Chapter 3 describes the site location, local highway network and collision data;
- Chapter 4 outlines the development proposals, vehicular access, servicing and parking;
- Chapter 5 details accessibility by non-car modes, including public transport, cycle and on foot;
- Chapter 6 details the expected trip generation and distribution;
- Chapter 7 summarises the off-site traffic capacity impact assessment;
- Chapter 8 details the car parking accumulation assessment for the proposed uses;
- Chapter 9 summarises the framework for a Travel Plan on the site; and
- Chapter 10 summarise and concludes the findings of the report.

## 2. Transport Policy Context

### 2.1 Introduction

2.1.1 This chapter considers current national and local transport policy as they relate to the development proposals. The following relevant documents have been reviewed:

- National Planning Policy Framework;
- Merseyside Local Transport Plan (2011); and
- Wirral Council's Unitary Development Plan (2000).

### 2.2 National Transport Planning Policy

#### National Planning Policy Framework

2.2.1 The National Planning Policy Framework (NPPF), updated in 2019, sets out the Government's planning policies for England and how these are expected to be applied. Chapter 9 of the NPPF, '*Promoting Sustainable Transport*', sets out the important role that transport issues and policies have in facilitating sustainable development. Paragraph 103 states that:

*"Significant development should be focused on locations which are or can be made sustainable, through limiting the need to travel and offering a genuine choice of transport modes. This can help to reduce congestion and emissions and improve air quality and public health. However, opportunities to maximise sustainable transport solutions will vary between urban and rural areas, and this should be taken into account in both plan-making and decision-making."*

2.2.2 Specifically, Paragraph 108 states that when assessing 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."*

2.2.3 In terms of highways impact and safety, Paragraph 109 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 impact on the road network would be severe."*



2.2.4 Within this context, Paragraph 110 goes on to state that “*applications for development should:*

- *Give priority first to pedestrian and cycle movements, both within the scheme and with neighbouring areas; and second – so far as possible – to facilitating access to high quality public transport, with layouts that maximise the catchment area for bus or other public transport services, and appropriate facilities that encourage public transport use;*
- *Address the needs of people with disabilities and reduced mobility in relation to all modes of transport;*
- *Create places that are safe, secure and attractive – which minimise the scope for conflicts between pedestrians, cyclist and vehicles, avoid unnecessary street clutter, and respond to local character and design standards;*
- *Allow for the efficient delivery of goods, and access by service and emergency vehicles; and*
- *Be designed to enable charging of plug-in and other ultra-low emission vehicles in safe, accessible and convenient locations.”*

## 2.3 Local Transport Policy

Merseyside Local Transport Plan (2011)

2.3.1 This document is Merseyside’s third local transport plan and provides a statutory framework for the policies and plans that will guide the future provision of transport in Merseyside between 2011 and 2024.

2.3.2 The Transport Plan has involved Local Strategic Partnerships and local authorities to develop local programmes that will bring improvements to the problems which have been identified locally.

2.3.3 The Plan aims to meet the wider social and economic objectives of the region and in particular aim to make Merseyside a place where people can travel safely and easily. The plan has the following six key transport goals:

- Help create the conditions for sustainable economic growth.
- Provide and promote a clean, low emission transport system which is resilient to changes in climate and oil availability.
- Improve health and well-being and road safety.
- Ensure equality of travel opportunities for all, through a transport that allows people to connect easily with employment, education, healthcare, other essential services and leisure and recreational opportunities.
- Ensure the transport network supports the economic success of the region.
- Maintain their assets to a high standard.

## Wirral Council's Unitary Development Plan

- 2.3.4 The Unitary Development Plan (UDP), adopted in February 2000, sets out the council's existing policies and proposals for the use of land within the Borough and is an important document in assessing and determining planning applications.
- 2.3.5 The strategic policies in the UDP will be replaced by a new draft Core Strategy Local Plan (scheduled for approval by July 2019), although at the time of writing the UDP remains the Council's statutory document setting out the vision and strategies for future development. Chapter 15 of the UDP relates to transport and includes the following policies relevant to the development proposals:
- 2.3.6 *"Policy TRT1 Provision for Public Transport – in considering development proposals, the local planning authority will give emphasis to the following key considerations:*
- i. The need to make best use of existing transport facilities;*
  - ii. That, where appropriate, adequate physical provision is made for public transport services and facilities within new developments; and*
  - iii. That the development would not prejudice any proposals for development of public transport services or facilities."*
- 2.3.7 "Policy TRT3 Transport and the Environment - in assessing the environmental impact of transport infrastructure and proposals, the local planning authority will pay particular attention to the following:
- i. Main transport corridors;*
  - ii. The design of new highway schemes and highway improvement schemes;*
  - iii. Reducing unnecessary traffic in environmentally sensitive or primarily residential areas;*
  - iv. Parking and servicing arrangements;*
  - v. Minimising vehicular – pedestrian conflict;*
  - vi. Meeting the needs of cyclists;*
  - vii. Securing access for disabled people;*
  - viii. Minimising noise, visual impact and air pollution; and*
  - ix. Minimising the need to travel."*

## 2.4 Summary

- 2.4.1 In accordance with the national and local policy, this planning application is supported by a TS which details the site's accessibility by sustainable modes of travel (Chapter 5) and assesses the impact of the proposed development of the local highway network (Chapter 7).

2.4.2 Overall, the development proposals have been shown to conform to the national and local transport planning policies.

## 3. Existing Conditions

### 3.1 Site Location and Existing Use

3.1.1 As shown in [Figure 3.1](#), the site lies within Bromborough, Wirral, located approximately 2.5km north of Eastham and 4.5km south-east of Rock Ferry.

**Figure 3.1: Site Location Plan**



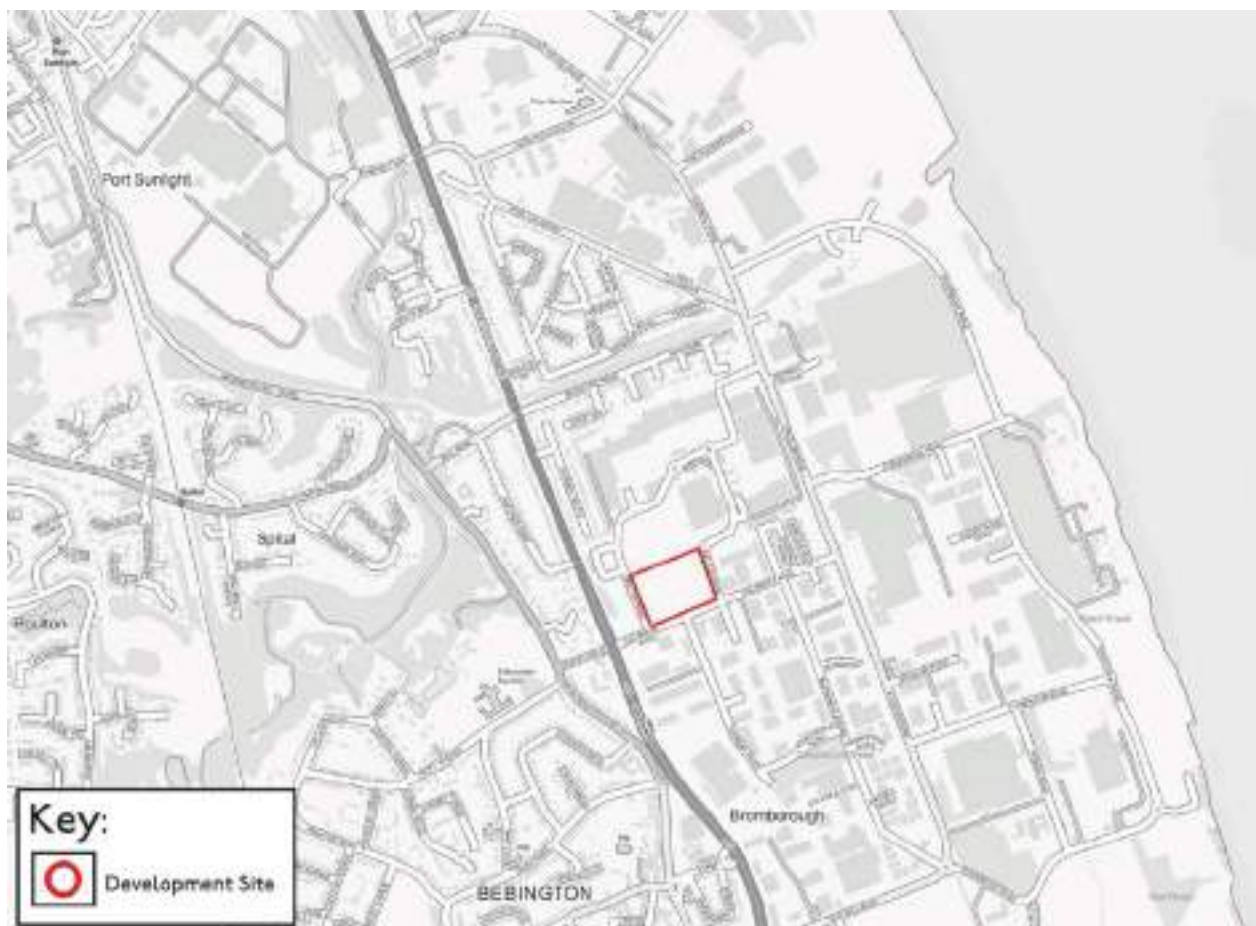
3.1.2 The development site is bound by Welton Road to the east and west, Caldbeck Road to the south and the ASDA supermarket car park to the north.

3.1.3 The development site is currently an open field with trees lining the northern and southern boundaries; two vehicular access junctions are located off Welton Road from the eastern site boundary.

## 3.2 Local Highway Network

3.2.1 The location of the site in the context of the local highway network is shown in [Figure 3.2](#).

**Figure 3.2: Local Highway Network Plan**



3.2.2 Caldbeck Road is a two-way single carriageway running on an east-west alignment adjacent to the site's southern boundary, as shown in [Photograph 3.1](#). The road connects with New Chester Road (A41) to the east and Stadium Road to the west. On the approach to New Chester Road (A41) the road forms a dual-carriageway with two lanes in each direction.

3.2.3 Caldbeck Road is subject to a 40-mph speed limit with c.2.0m wide footway on both sides of the carriageway. A network of street lighting is provided along the road.

3.2.4 Welton Road (west) is a one-way road (northbound) comprising a two-lane single carriageway, as shown [Photograph 3.2](#). The road is subject to a 40mph speed limit, extending on a north-south alignment along the site's western boundary. Welton Road (west) continues to the north, providing vehicular access to the McDonald's, ASDA supermarket and The Croft Retail Park.

3.2.5 Welton Road (east) is a two-way road comprising a two-lane single carriageway, as shown in [Photograph 3.3](#). The road is subject to a 40mph speed limit, extending on a north-south alignment along the site's eastern boundary.

**Photograph 3.1: Caldbeck Road (westbound)**



Photograph 3.2: Welton Road (west) – northbound



Photograph 3.3: Welton Road (east) - southbound



Photograph 3.4: New Chester Road (A41) – northbound



### 3.3 Traffic Speed Survey Data

3.3.1 An Automatic Traffic Counter (ATC) survey was carried out from 5<sup>th</sup> October 2018 to 11<sup>th</sup> October 2018 on Welton Road east to record two-way traffic flows and speeds. A summary of the results for a typical week is provided in [Table 3.1](#).

Table 3.1: ATC Summary Results – Welton Road

	Daily Traffic Flow	Average Weekday 85 <sup>th</sup> Percentile Speeds	% HGV
Northbound	9,591	29.3mph	1%
Southbound	1,842	29.8mph	1%

3.3.2 The data in [Table 3.1](#) shows that the 85% percentile speed on Welton Road northbound and southbound did not exceed 30mph.

### 3.4 Road Safety

3.4.1 Personal Injury Collision (PIC) data in vicinity of the development site has been obtained from the CrashMap database (crashmap.co.uk) for the most recent 5-year period between 2015 and 2019.



Figure 4.1: Personal Injury Collision Data (source: Crashmap)



3.4.2 The study area includes Caldbeck Road; Welton Road; Stadium Road; and New Chester Road (A41). The extent of the study area is shown in Figure 4.1, while a breakdown of the PICS reported within the study area is summarised in [Table 4.1](#).

**Table 4.1: Personal Injury Collision Data Summary**

Date	Location	Severity	Cars Involved	Cyclists Involved	HGVs Involved	Peds Involved
Feb 2015	Welton Road	Slight	1	0	0	0
April 2015	Welton Road	Slight	1	0	0	1
May 2015	Welton Road	Slight	2	0	0	0
Aug 2015	Caldbeck Road	Slight	2	0	0	0
Oct 2015	Caldbeck Road	Slight	2	0	0	0
July 2016	Caldbeck Road	Slight	2	0	0	0
July 2016	Caldbeck Road	Slight	3	0	1	0
Nov 2016	Welton Road	Serious	2	1	0	0
Jan 2017	Caldbeck Road	Slight	2	0	0	0
July 2017	Caldbeck Road	Slight	2	0	0	0
Oct 2017	Caldbeck Road	Slight	2	0	0	0
Mar 2018	Caldbeck Road	Slight	2	0	0	0
June 2018	Caldbeck Road	Slight	2	0	0	0
June 2018	Welton Road	Slight	2	0	0	0
Sep 2018	Caldbeck Road	Slight	2	0	0	0
Sep 2018	Caldbeck Road	Slight	1	0	1	0
Sep 2018	Stadium Road	Serious	2	1	0	0
Dec 2018	Caldbeck Road	Serious	2	0	0	0

3.4.3 The PIC data shows that a total of 18 collisions were reported on the local highway network during the study period, with 16 collisions classified as ‘slight’ and 2 classified as ‘serious’. There were no reported fatal collisions during the study period.

3.4.4 Analysis of the PIC data collected between January 2015 and September 2019 has demonstrated that there are no significant collision clusters within proximity of the site. Caldbeck Road/ New Chester Road (A41) junction experienced the highest concentration of collisions, however based the volume of traffic passing through the junction the number of collisions reported is considered to fall within reasonable parameters.

3.4.5 There has been on 1 ‘slight’ collision recorded on Welton Road along the site boundary which indicates that there are no existing road safety issues in the vicinity of the proposed access points to the development.

3.4.6 Based on the severity, location and frequency of collisions recorded, there is no evidence to suggest that the highway layout, design or condition are significant factors in PICs recorded on Welton Road.

### 3.5 Public Rights of Way

3.5.1 There are no Public Rights of Way (PRoW) within the site boundary.

### 3.6 Air Quality

3.6.1 The site is not located in a designated Air Quality Management Area (AQMA).

## 4. Development Proposals

### 4.1 Proposed Use

- 4.1.1 The development proposals comprise seven Industrial Units (Use Class E(g)(iii)/B2/B8), total floor area 6,567sqm, and drive-thru café/ restaurant (Use Class A3), floor area up to 205sqm. The site will be accessed via a new one-way route between Welton Road (west and east).
- 4.1.2 The proposed industrial units to the south (Unit 1 and Units 2A-D) and to the north (Unit 3 and Unit 4) of the access road will be subject to a full planning application. The proposed drive-thru café/ restaurant will be subject to an outline application, with details to be submitted as part of a later reserved matters application.
- 4.1.3 It is understood that the applicant has an agreement with a self-storage operator to occupy Unit 1, and the unit and parking provision has been designed to accommodate the needs of this business.
- 4.1.4 The proposed site masterplan is shown in [Figure 4.1](#), with the full masterplan drawing is attached in [Appendix A](#).

**Figure 4.1: Proposed Ground Floor Site Layout** (source: C4 Projects)



4.1.5 The schedule of unit areas is summarised in [Table 4.1](#).

**Table 4.1: Schedule of Unit Areas**

Land Use	Total GIA
Unit 1 (Self-Storage)	2,415 sqm
Unit 2A	413 sqm
Unit 2B	277 sqm
Unit 2C	274 sqm
Unit 2D	416 sqm
Unit 3	1,596sqm
Unit 4	1,176sqm
Drive-Thru Café/ Restaurant (outline application)	205 sqm (maximum)

## 4.2 Site Access Arrangement

4.2.1 The proposed vehicular access arrangement for the site comprises as a one-way route, with an access proposed from Welton Road (west) and an egress from Welton Road (east). Both junctions comprise 12m corner radii, 5.5m carriageway width and 2m footways in both sides. The internal road will be one-way from west to east with the one-way priority being controlled through signing and lining

4.2.2 The proposed site access arrangements and accompanying signing strategy are shown in [Figure 4.2](#), with the full drawing (**Drawing No: J32-5601-PS-001**) attached in [Appendix B](#).

Figure 4.2: Proposed Access Arrangement and Signing Strategy

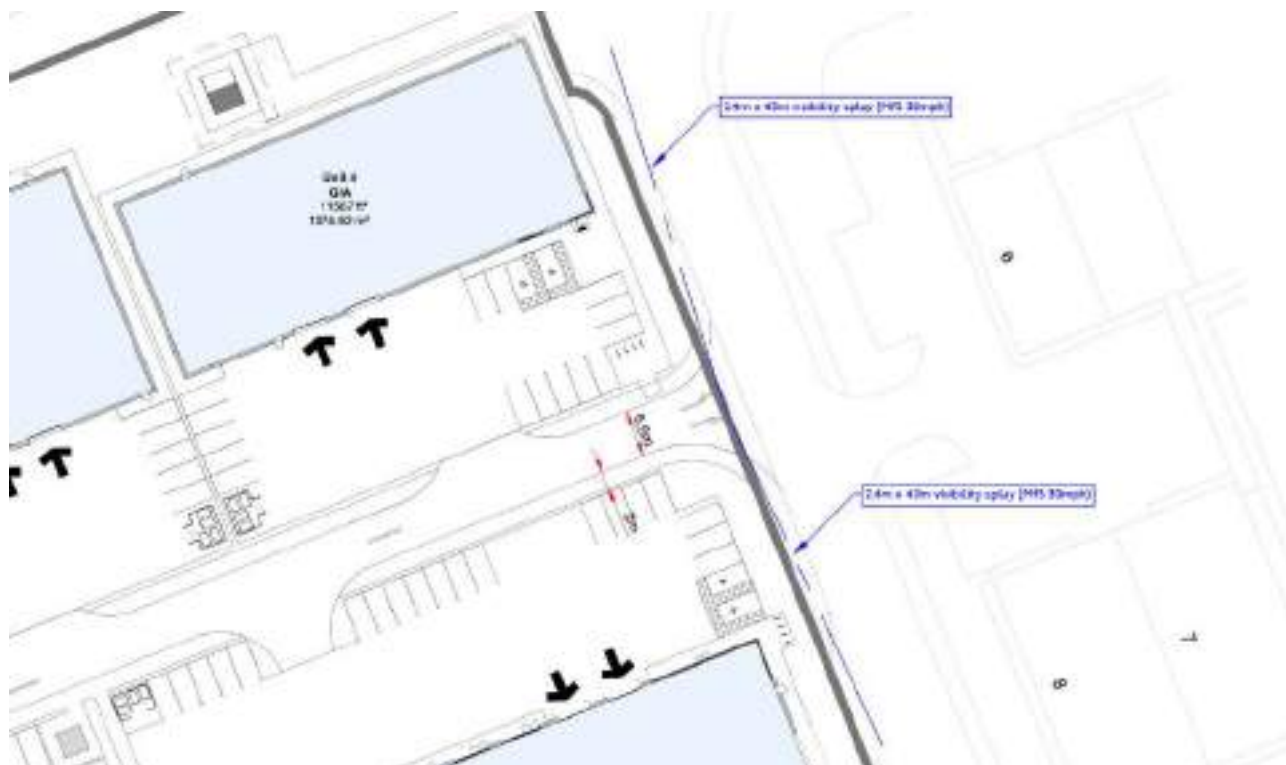


#### Visibility Splays

4.2.3 Based on the 85th percentile speeds on Welton Road (east) (see [Table 3.1](#)), and in accordance with Manual for Streets (MfS) for speeds of 30mph, 2.4m x 43m visibility splays are achievable in both directions on Welton Road (east).

4.2.4 The required visibility splays on Welton Road (east) are shown in [Figure 4.3](#), with the full drawing ([Drawing No: J32-5601-PS-004](#)) are attached in [Appendix B](#).

Figure 4.3: Visibility Splays



#### Delivery and Servicing Access

- 4.2.5 Swept path analysis has been undertaken for a 11.2m refuse vehicle and a 16.5m articulated vehicle, which are the largest vehicles expected to visit the site. The analysis shows that both vehicles can safely enter and exit via the proposed access and egress in a forward gear.
- 4.2.6 The swept path analysis for a 11.2m refuse vehicle and a 16.5m articulated HGV are shown in [Figure 4.4](#) and [Figure 4.5](#) respectively, with the full drawings (**Drawing No: J32-5601-PS-002**) attached in [Appendix C](#).

Figure 4.4: Swept Path Analysis – 11.2m Refuse Vehicle

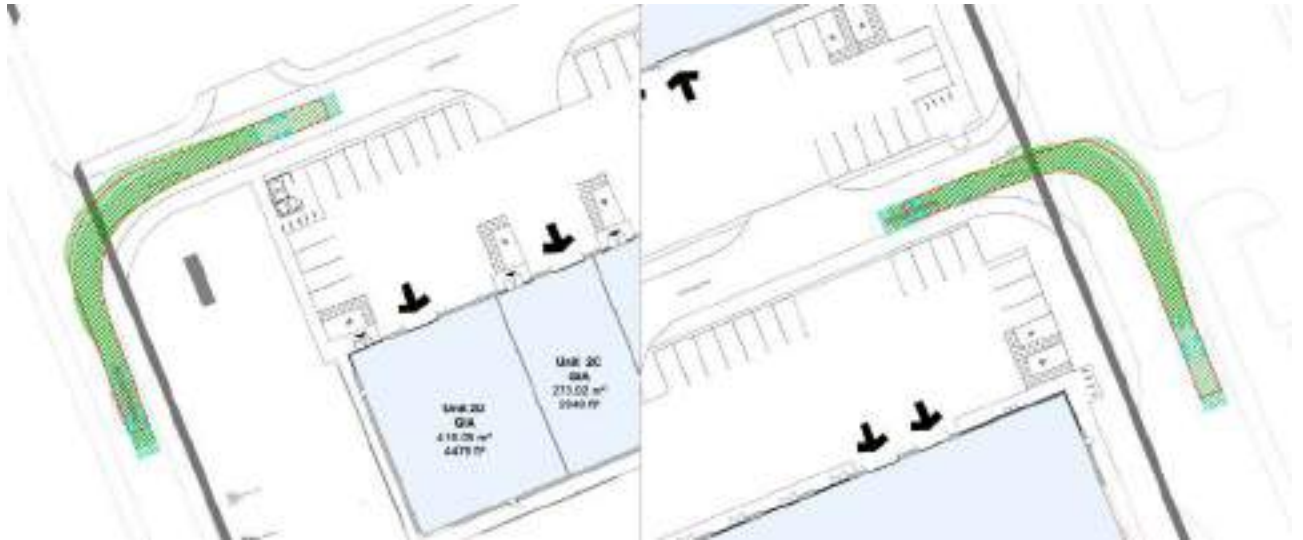


Figure 4.5: Swept Path Analysis – 16.5m Articulated HGV



4.2.7 Swept path analysis for the internal service yards are attached in [Appendix C](#) (Drawing No: J32-5601-PS-001 J32-5601-PS-003).

### 4.3 Parking Provision

4.3.1 Local car parking standards are specified in WMBC's Local Development Framework, Supplementary Planning Document '*SPD4 – Parking Standards (June 2007)*'. WMBC's standards for the provision of cycle parking is set out in the UDP Policy TR12 – '*Requirements for Cycle Parking*'. Local car and cycle parking standards for each land use are summarised in [Table 4.2](#).



**Table 4.2: WMBC Parking Standards**

Vehicle Type	A3 Restaurants and Cafes	B2 General Industry / B8 Storage and Distribution
Staff / Operational Parking (maximum)	1 space / per 7 sqm (public floor area)	1 space / 45 sqm
Disabled Parking (minimum)	1 in first 10 spaces. Thereafter, 1 space / 20 spaces or 6% of total spaces (whichever is greater)	1 in first 25 spaces. Thereafter, 1 space / 25 spaces or 6% of total spaces (whichever is greater)
Cycle Parking (minimum)	1 stand / 20 car parking spaces	1 stand / 20 car parking spaces

4.3.2 The proposed car and cycle parking provision is summarised in [Table 4.3](#).

**Table 4.3: Proposed Parking Provision**

Unit	Total GFA	Total Car Parking	Disabled	Cycle
Unit 1 (Self-Storage)	2,415 sqm	31 spaces	2 spaces	8 spaces
Unit 2A	413 sqm	8 spaces	1 space	3 spaces
Unit 2B	277 sqm	6 spaces	1 space	2 spaces
Unit 2C	274 sqm	6 spaces	1 space	2 spaces
Unit 2D	416 sqm	8 spaces	1 space	3 spaces
Unit 3	1,596sqm	23 spaces	2 spaces	10 spaces
Unit 4	1,176sqm	17 spaces	2 spaces	8 spaces

4.3.3 As shown in [Table 4.3](#), the proposed car parking provision complies with WMBC’s maximum parking standard for B2 General Industry / B8 Storage and Distribution. The disabled car parking spaces and cycle parking spaces also comply with WMBC’s minimum standards.

4.3.4 Although Unit 1 does comply with WMBC’s maximum parking standards, it is acknowledged that the proposed parking provision is c.56% of the total maximum standard permitted by WMBC’s standards; however, considering the proposed self-storage use at Unit 1 the proposed parking provision is considered acceptable. To provide further supporting evidence, a car parking accumulation at Unit 1 has been undertaken and is detailed in [Section 8](#).

4.3.5 The drive-thru café/ restaurant (outline planning application) will comply with the local car and cycle parking requirements, as summarised in [Table 4.2](#).

## 5. Sustainable Accessibility

### 5.1 Introduction

- 5.1.1 Current Government policy/guidance places significant emphasis on the promotion of sustainable transport modes for all new developments. This forms part of a long-term strategy to reduce the reliance on private car trips.
- 5.1.2 This chapter considers accessibility via sustainable modes of transport to the proposed development site, including access by public transport, cycle and on foot.

### 5.2 Pedestrian Accessibility

- 5.2.1 Guideline walking distances provided in the Chartered Institution of Highways and Transportation (CIHT) document '*Guidelines for Providing for Journeys on Foot (2000)*', are shown in [Table 5.1](#).

**Table 5.1: CIHT Guideline Acceptable Walking Distances**

Criteria	Town Centre	Commuting/Sight Seeing	Elsewhere
Desirable	200m	500m	400m
Acceptable	400m	1,000m	800m
Preferred Maximum	800m	2,000m	1,200m

- 5.2.2 The CIHT guidelines shown in [Table 5.1](#) suggest that, for commuting purposes, up to 500m is a desirable walking distance, up to 1km is considered an acceptable walking distance and 2km is the preferred maximum walking distance.
- 5.2.3 Appropriate walking distances are dependent upon the location of the specific development; more remote locations will see people being prepared to walk further to their end destination. Similarly, appropriate walking distances are also dependent upon the standard of existing pedestrian infrastructure provision, with further walking distances achievable in locations with extensive and high-quality pedestrian footways, crossings and pedestrianised areas.
- 5.2.4 Pedestrian links from the site connect with existing footways adjacent to the local highway, providing pedestrian access towards nearby public transport connections and amenities available within the local area.
- 5.2.5 [Figure 5.1](#) presents the local amenities and 500m, 1,000m and 2,000m walking catchments from the site, as specified in CIHT guidance for commuting purposes.

Figure 5.1: Walking Catchment Area and Local Amenities



5.2.6 As shown in Figure 5.1, the site is located within a 500m catchment of bus stops, and within 2km of surrounding residential areas and local railway stations.

5.2.7 Table 5.2 provides an indication of the distances and approximate walking times to a selection of local amenities. The distances have been measured from the centre of the site; the times are based on an average walking speed of 1.4 metres per second and do not allow for waiting time to cross junctions.

**Table 5.2: Local Amenities – Distance and Walking Times**

Amenity	Distance	Average Walking Time
Bus Stop on Welton Road (northbound)	180m	2 minutes
Bus Stop on Welton Road (southbound)	270m	3 minutes
Bus Stops on Croft Avenue	330m	4 minutes
Bromborough Rake Railway Station	1480m	18 minutes
Spital Railway Station	1580m	19 minutes

5.2.8 Table 5.2 shows that there are bus stops within the CIHT’s ‘desirable’ walking distance for commuting purposes. Both Bromborough Rake Railway Station and Spital Railway Station are located within the CIHT’s ‘maximum preferred’ walking distance for commuting purposes.

5.2.9 Based on the site’s location, proximity to local bus services and connectivity to local footways, walking can be considered a realistic method of travel for commuting and shopping trips, particularly as an alternative to private car trips.

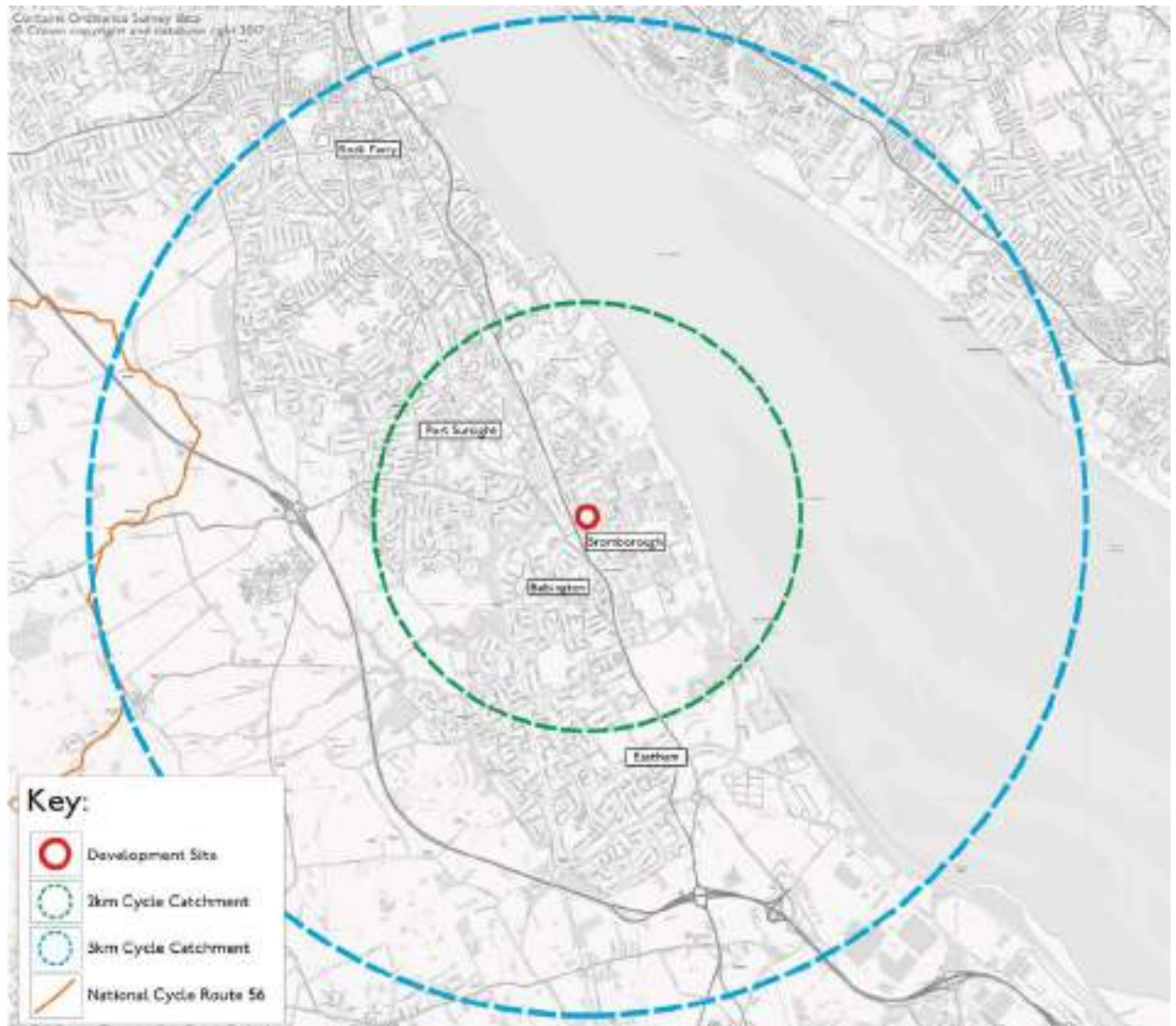
### 5.3 Cycle Accessibility

5.3.1 As with pedestrian accessibility, the level of a site’s cycle accessibility depends upon a combination of the distance from local amenities and the standard of existing cycle infrastructure. It should, however, be noted that that cycle infrastructure can include facilities shared with vehicles and pedestrians as well as dedicated cycle infrastructure.

5.3.2 In respect of acceptable cycle distances, ‘Local Transport Note 1/20: Cycle Infrastructure Design’, published by DfT, states that *‘two out of every three personal trips are less than five miles in length - which is an achievable distance to cycle for most people’*.

5.3.3 Figure 5.2 presents the cycling catchment area around the proposed development site for 2km and 5km.

Figure 5.2: Cycling Catchment Area



- 5.3.4 Bromborough, Bebington and Port Sunlight and surrounding residential areas are located within a 2km catchment of the site. Further afield, Eastham and Rock Ferry are accessible with a 5km catchment.
- 5.3.5 As shown in Figure 5.2, Regional Route 56 (part of the National Cycle Network) is located approximately 3km to the west of the site, providing a designated cycle route between Chester to Wallasey, via the Mersey ferry to Liverpool and National Route 62 (Trans Pennine Trail).
- 5.3.6 In addition to the NCN cycle route, there is further cycle infrastructure on the local highway network, includes an off-road cycle route and Toucan crossings on New Chester Road (A41), which collectively provides a safe cycling environment in the locality of the site.

5.3.7 The local cycle routes and infrastructure are shown in Figure 5.3, and off-road cycleway from New Chester Road (A41) to Welton Road (west) is shown previously Photograph 3.4 and in Photograph 5.1.

Figure 5.3: Local Cycle Infrastructure (source: Merseytravel)



Photograph 5.1: Local Off-Road Cycle Route from New Chester Road to Welton Road (west)



5.3.8 Given the proximity to local cycle routes, and availability of on-site cycle parking, cycling can be considered to be a realistic method of travel to form part of commuting and visitor trips, particularly as an alternative to private car trips.

## 5.4 Public Transport

### Local Bus Services

5.4.1 The recently published CIHT guidance document *'Buses in Urban Development (2018)'* recommends a maximum walking distance in urban areas of up to 400m to bus stops located on 'high-frequency routes (every 12 minutes or better)'. A walking distance of 400m is equivalent to a 5-minute walk based on a 1.4 metres per second walking speed.

5.4.2 **Figure 5.4** shows the local bus services operating in the vicinity of the site, accessible from bus stops located on Welton Road (east) and Croft Avenue, as shown in **Photograph 5.2** and **Photograph 5.3** respectively.

**Figure 5.4: Local Bus Services** (source: Merseytravel)



Photograph 5.2: Bus Stop on Welton Road (east)



Photograph 5.3: Bus Stop on Croft Avenue



5.4.3 As shown in [Photograph 5.2](#) and [Photograph 5.3](#), the local bus stops accessible from the site comprise a layby arrangement and shelter. The bus stops on Croft Avenue also include raised kerbs for improved accessibility and real-time information boards.



5.4.4 **Table 5.3** provides a summary of the routes and times of bus services accessible within 400m from Welton Road and Croft Avenue. Full timetables are attached in **Appendix D**.

**Table 5.3: Regular Bus Services accessible from Welton Road and Croft Avenue**

Service No	Route	Approx. Frequency – 2 way (buses /hour)			
		Mon-Fri (AM/PM peak)	Mon-Fri (off-peak)	Sat	Sun
1	Liverpool – Ellesmere Port – Cheshire Oaks – Chester	2	2	2	1
X1	Liverpool – Ellesmere Port – Cheshire Oaks - Chester	2	2	2	1
38 / 38A	West Kirby – Birkenhead – Bromborough – Eastham Ferry	2	2	2	1
41 / 42	Mill Park – Bromborough - Woodchurch	5	5	4	2

5.4.5 **Table 5.3** show that there are frequent bus services accessible from the site, providing services to a range of local destination during the day throughout the week.

#### Rail Services

5.4.6 As indicated in **Table 5.2**, Bromborough Rake Railway Station and Spital Railway Station are both located approximately 1.5km from the site. The stations are on the Chester and Ellesmere Port branch of the Wirral Line, part of the Merseyrail network.

5.4.7 A summary of direct train services available from Bromborough Rake and Spital are summarised in **Table 5.4**.

**Table 5.4: Rail services from Bromborough Rake and Spital Railway Stations**

Destination	Approx. Freq	Approx. Journey Time
Ellesmere Port	2 services / hour	19 - 21 minutes
Liverpool Central	4 services / hour	25 - 27 minutes
Chester	2 services / hour	26 - 28 minutes

5.4.8 **Table 5.4** shows that regular train services are available from Bromborough Rake Railway Station and Spital Railway Station, direct to major towns and cities in the region. Local bus service No. 38 is available from Beechwood Road near Bromborough Rake Railway Station, which routes to within c.200m of the site.

## 5.5 Summary

5.5.1 In summary, it has been shown that the site benefits for excellent levels of accessibility by sustainable modes of travel, including walking, cycling and public transport – thereby offering a realistic alternative to single occupancy car trips, particularly for commuting purposes. This includes the following:

- Existing footways are available on the local highway network, providing safe walking routes to public transport services and local destinations;
- Bus stops, located within 400m (5-minute walk), in accordance with CIHT guidance;
- Access to an extensive network of local and national cycle routes, providing designated routes to a wide range of other local destinations; and
- Regular local bus services accessible within a reasonable walking distance, providing bus routes to a range of local destinations, including Liverpool, Birkenhead, Ellesmere Port and Chester;
- Train services are also accessible from the site, providing regular services to Liverpool, Ellesmere Port and Chester.

5.5.2 The site is therefore compliant with the (NPPF) which states in paragraph 108 that: *'in assessing sites that may be allocated for development in plans, or specific application for development, it should be ensured that: a) appropriate opportunities to promote sustainable transport modes can be – or have been – taken up, given the type of development and its location'*.

5.5.3 Furthermore, the proposals accord with paragraph 110 of the NPPF which states that: *'applications for development should: a) give priority first to pedestrian and cycle movements, both within the scheme and with neighbouring areas; and second – so far as possible – to facilitating access to high quality public transport'*.

## 6. Trip Generation and Distribution

### 6.1 Trip Generation

- 6.1.1 To assess the traffic impact of development trips on the local network, a trip generation exercise has been undertaken for the proposed uses.
- 6.1.2 The industrial unit trip rates have been calculated using the TRICS database based on the 'Employment -Industrial Unit' land use category. Although Unit 1 is expected to be occupied by a self-storage business, for robustness, the trip generation at the unit has been assessed using the TRICS 'Employment -Industrial Unit' land use category. Furthermore, a larger floor area (6,863sqm) has been assessed, rather than the 6,567sqm proposed, which provides a more robust assessment of development traffic impact on the local highway network.
- 6.1.3 The drive-thru café/ restaurant trip rates have been calculated using the 'Fast Food – Drive Through' land use category, which is the most comparable use available within the TRICS database and provides a robust assessment of the trip generation.
- 6.1.4 To establish representative trip rates, sites within Greater London, Scotland and Ireland have been excluded from the TRICS dataset.
- 6.1.5 The trip rates for the weekday AM and PM peak hours are shown in [Table 6.1](#), with the full TRICS outputs are attached in [Appendix E](#).

**Table 6.1: TRICS Trip Rates (per 100sqm) – Vehicles**

Land Use	Weekday AM Peak Hour			Weekday PM Peak Hour		
	Arrive	Depart	Total	Arrive	Depart	Total
'Employment – Industrial Unit'	0.252	0.061	0.313	0.046	0.307	0.353
'Fast Food – Drive Through'	15.035	14.426	29.461	20	20.895	40.895

- 6.1.6 The calculated trip generation for the proposed uses are shown in [Table 6.2](#).

**Table 6.2: TRICS Trip Generation – Total Trips**

Land Use	Weekday AM Peak Hour			Weekday PM Peak Hour		
	Arrive	Depart	Total	Arrive	Depart	Total
Industrial Units (6,863 sqm)	17	4	21	3	21	24
Drive-Thru Café/ Restaurant (205 sqm)	31	30	61	41	43	84
<b>Total Trip Generation</b>	<b>48</b>	<b>34</b>	<b>82</b>	<b>44</b>	<b>64</b>	<b>108</b>

- 6.1.7 As shown in [Table 6.2](#), the proposed development is expected to generate a total of 82 two-way trips during the AM peak hour and 108 two-way trips during the PM peak hour.
- 6.1.8 It should be noted that the drive-thru café/ restaurant trip generation shown in [Table 6.2](#) does not take into account 'linked', 'pass-by' or 'transferred' trips, which in reality would represent a significant proportion of trips, particularly considering the site's location adjacent to Croft Retail Park and availability of existing drive-thru café/ restaurants in the area.
- 6.1.9 For the purposes of the off-site traffic impact assessment, it has been estimated that the drive-thru café/ restaurant will generate 10% new trips on the local highway network, with the remaining trips comprising 'linked', 'pass-by' or 'transferred' trips. This approach broadly follows that taken at the recently consented Lidl development on Thursby Road (Planning Ref: 20/00773).
- 6.1.10 Based on 10% new trips visiting the drive-thru café/ restaurant, the total new trips generated by the development are summarised in [Table 6.3](#).

**Table 6.2: TRICS Trip Generation – New Trips (assessment trips)**

Land Use	Weekday AM Peak Hour			Weekday PM Peak Hour		
	Arrive	Depart	Total	Arrive	Depart	Total
Industrial Units (6,863 sqm)	17	4	21	3	21	24
Drive-Thru Café/ Restaurant (205 sqm)	3	3	6	4	4	8
<b>Total Trip Generation</b>	<b>20</b>	<b>7</b>	<b>27</b>	<b>7</b>	<b>25</b>	<b>32</b>

- 6.1.11 The trips shown in [Table 6.3](#) have been used to assess the traffic impact of the development on the local highway network, as detailed in [Section 7](#).

## 6.2 Trip Distribution

- 6.2.1 Development trips have been routed onto the local highway network based on observed turning proportions. The percentage distribution and development trip distribution network diagrams are attached in [Appendix F](#).

## 7. Traffic Impact Assessment

### 7.1 Introduction

7.1.1 To assess the off-site traffic impact of the proposed development, junction capacity assessments will be undertaken at the following junctions:

- Spital Road (B5137)/ Croft Avenue East (signalised junction);
- New Chester Road (A41)/ Caldbeck Road (signalised junction);
- Caldbeck Road/ Welton Road (priority junction);
- Caldbeck Road/ Thursby Road (priority junction);
- Welton Road/ Caldbeck Road (priority junction);
- Welton Road/ Stadium Road (priority junction); and
- Caldbeck Road/ Stadium Road (priority junction).

### 7.2 Base Traffic Flows

7.2.1 Traffic surveys were carried by an independent specialist survey company to record existing base traffic flows. The traffic surveys were carried out over a 12-hour period (07:00 to 19:00) on Friday 5<sup>th</sup>, with the exception of Caldbeck Road/ Stadium Road, which was surveyed over the AM and PM peak period on Friday 30<sup>th</sup> November 2018.

7.2.2 The peak hour background traffic flow network diagrams are attached in [Appendix F](#) and the full observed survey outputs attached in [Appendix G](#).

### 7.3 Assessment Scenarios

7.3.1 Junction capacity impact assessments will be undertaken for the following scenarios in the Friday AM and PM peak hours:

- 2018 base year;
- 2021 application year + committed development (with and without development trips); and
- 2026 future year + committed development (with and without development trips).

## 7.4 Future Year Traffic Growth

- 7.4.1 Future year growth factors will be applied to the 2018 baseline traffic flows to generate 2021 opening year flows and 2026 future year flows. The full TEMPRO outputs are attached in [Appendix H](#).
- 7.4.2 TEMPRO v7.2 calibrated with the National Transport (NTM AF15) dataset has been used to generate traffic growth factors specific to the site's MSOA (Wirral 039) for a 2021 opening year and 2026 future year (2021 application year plus 5 years).
- 7.4.3 A summary of the AM and PM peak period TEMPRO growth factors is shown in [Table 7.1](#).

**Table 7.1: TEMPRO Growth Factors**

Day / Time Period	2018-2021	2018-2026
Weekday AM Period	1.0380	1.0867
Weekday PM Period	1.0350	1.0811

## 7.5 Committed Development

- 7.5.1 The only committed development included in the traffic impact assessment is the recently consented Lidl supermarket on Thursby Road (Planning Ref: 20/00773). The Lidl trips in the PM peak have been taken from the TA (dated 13<sup>th</sup> May 2020) which accompanied the planning application.
- 7.5.2 The Lidl TA did not assess the AM peak or provide a trip distribution; however, a review of the TRICS outputs shows that during the AM the supermarket is expected to generate slightly less than 50% of the number of trips generated during the PM peak. On this basis, and for the purposes of this assessment, 50% of the supermarkets PM trips have been applied in the AM peak to account for the Lidl supermarket trips during this period.

## 7.6 Off-Site Junction Capacity Analysis

- 7.6.1 Industry standard traffic software package LinSig and Junction 9 (PICADY) has been used to model the signalised junctions and priority junctions respectively.
- 7.6.2 Traffic signal data has been obtained from WMBC. The data shows that the signalised junctions currently operate under vehicle-actuated optimisation. Therefore, the signal timings have been optimised in LinSig in all scenarios.
- 7.6.3 A summary of the junction capacity results for the 2026 future year scenario at each junction are presented below:

New Chester Road (A41)/ Caldbeck Road (signalised junction)

7.6.4 New Chester Road (A41)/ Caldbeck Road is an existing four-arm signalised junction, comprising New Chester Road (northern/southern arms), Caldbeck Road (eastern arm) and Croft Avenue East (western arm).

The 2026 future year scenario results of the capacity analysis are summarised in [Table 7.2](#) with the full LinSig outputs included in [Appendix I](#).

**Table 7.2: New Chester Road (A41)/ Caldbeck Road – LinSig Results (2026 Future Year)**

Arm	Weekday AM Peak			Weekday PM Peak		
	Queue (PCU)	DoS (%)	PRC	Queue (PCU)	DoS (%)	PRC
2026 Base + Committed						
New Chester Road (S) AH/LT	20.1	92.7%		12.6	78.3%	
New Chester Road (S) AH/RT	17.5	92.4%		31.7	100.6%	
Croft Avenue (W)	7.5	91.5%		5.8	69.7%	
New Chester Road (N) AH/LT	8.2	62.8%	-3.0	22.6	96.9%	-12.4
New Chester Road (N) AH/RT	7.3	57.8%		28.9	100.2%	
Caldbeck Road (E) AH/LT	6.3	47.0%		38.4	101.1%	
Caldbeck Road (E) RT	2.0	25.3%		5.6	78.3%	
2026 + Committed + Development						
New Chester Road (S) AH/LT	13.0	79.9%		24.1	98.6 %	
New Chester Road (S) AH/RT	16.2	92.0%		34.8	101.4%	
Croft Avenue (W)	8.0	98.7%		7.2	72.9%	
New Chester Road (N) AH/LT	8.1	62.9%	-9.6	25.7	99.5%	-12.7
New Chester Road (N) AH/RT	7.5	59.8%		26.7	99.1%	
Caldbeck Road (E) AH/LT	6.3	47.6%		39.4	101.4%	
Caldbeck Road (E) RT	2.0	25.6%		5.5	59.8%	

Spital Road (B5137)/ Croft Avenue East (signalised junction)

7.6.5 Spital Road (B5137) / Croft Avenue East is an existing three-arm signalised junction, comprising Spital Road (B5137) as the major arm and Croft Avenue East as the minor arm.

7.6.6 The 2026 future year scenario results of the capacity analysis are summarised in [Table 7.3](#), with the full LinSig outputs in all scenarios included in [Appendix I](#).

**Table 7.3: Spital Road (B5137) / Croft Avenue East – LinSig Results (2026 Future Year)**

Arm	Weekday AM Peak			Weekday PM Peak		
	Queue (PCU)	DoS (%)	Delay (PCU/Hr)	Queue (PCU)	DoS (%)	Delay (PCU/Hr)
2026 Base + Committed						
Spital Road (S) AH/RT	4.9	35.7%		8.1	49.3%	
Spital Road (N) AH/LT	7.8	57.3%	-3.0	7.4	55.2%	-12.4
Croft Avenue (E) LT/RT	14.3	78.9%		16.0	93.0%	
2026 + Committed + Development						
Spital Road (S) AH/RT	4.8	35.8%		8.0	50.3%	
Spital Road (N) AH/LT	7.6	56.9%	-9.6	7.4	56.3%	-12.7
Croft Avenue (E) LT/RT	14.3	79.5%		16.0	92.5%	

Welton Road (west)/ Caldbeck Road (priority junction)

7.6.7 Welton Road/ Caldbeck Road is an existing three arm priority junction, comprising Caldbeck Road as the major arms and Welton Road as the exit only minor arm.

7.6.8 The 2026 future year results of the capacity analysis are summarised in [Table 7.4](#) with full PICADY outputs included in [Appendix J](#).

**Table 7.4: Caldbeck Road/ Welton Road – PICADY Results (2026 Future Year)**

Arm	Weekday AM Peak			Weekday PM Peak		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
2026 Base + Committed						
Caldbeck Road (E) RT	0.2	8.37	0.14	0.3	10.16	0.26
2026 Base + Committed + Development						
Caldbeck Road (E) RT	0.2	8.50	0.14	0.4	10.25	0.26

Caldbeck Road/ Thursby Road (priority junction)

7.6.9 Caldbeck Road / Thursby Road is an existing three arm priority junction, comprising Caldbeck Road as the major arms and Thursby Road as the minor arm.

7.6.10 The 2026 future year results of the capacity analysis are summarised in [Table 7.5](#) with full PICADY outputs included in [Appendix K](#).



**Table 7.5: Caldbeck Road/ Thursby Road – PICADY Results (2026 Future Year)**

Arm	Weekday AM Peak			Weekday PM Peak		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
2026 Base + Committed						
Thursby Road (S) LT	0.1	6.64	0.09	0.6	11.89	0.40
Thursby Road (S) RT	0.1	10.66	0.09	0.2	15.89	0.18
Caldbeck Road (W) RT	0.3	7.60	0.23	0.2	8.22	0.14
2026 Base + Committed + Development						
Thursby Road (S) LT	0.1	6.66	0.09	0.7	12.03	0.40
Thursby Road (S) RT	0.1	10.70	0.09	0.2	16.10	0.18
Caldbeck Road (W) RT	0.3	7.63	0.23	0.2	8.28	0.14

Welton Road (east) / Caldbeck Road (priority junction)

7.6.11 Welton Road / Caldbeck Road is an existing four-arm priority junction, comprising Caldbeck Road (eastern and western arms), Welton Road (northern arm) and industrial unit access (southern arm).

7.6.12 The 2026 future year results of the capacity analysis are summarised in [Table 7.6](#) with full PICADY outputs included in [Appendix L](#).

**Table 7.6: Welton Road (east)/ Caldbeck Road – PICADY Results (2026 Future Year)**

Arm	Weekday AM Peak			Weekday PM Peak		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
2026 Base + Committed						
Caldbeck Road (E)	0.4	8.40	0.28	1.1	16.44	0.52
Caldbeck Road (W)	0.6	10.18	0.36	0.3	10.89	0.21
2026 Base + Committed + Development						
Caldbeck Road (E)	0.4	8.47	0.28	1.1	16.83	0.53
Caldbeck Road (W)	0.6	10.25	0.37	0.3	11.06	0.22

Welton Road/ Stadium Road (priority junction)

7.6.13 Welton Road / Thursby Road is an existing three arm priority junction, comprising Stadium Road as the major arms and Welton Road as the minor arm.

7.6.14 The 2026 future year results of the capacity analysis are summarised in [Table 7.7](#) with the full PICADY outputs included in [Appendix M](#).

**Table 7.7: Welton Road / Stadium Road – PICADY Results (2026 Future Year)**

Arm	Weekday AM Peak			Weekday PM Peak		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
2026 Base + Committed						
Welton Road LT	0.3	7.34	0.25	12.1	83.57	0.97
Welton Road RT	0.1	13.11	0.10	4.4	171.13	0.93
Stadium Road (N) RT	0.3	6.32	0.22	0.6	8.47	0.37
2026 Base + Committed + Development						
Welton Road LT	0.3	7.37	0.26	14.6	96.78	0.99
Welton Road RT	0.1	13.14	0.10	4.8	192.36	0.92
Stadium Road (N) RT	0.3	6.34	0.22	0.6	8.47	0.37

Stadium Road/ Caldbeck Road (priority junction)

7.6.15 Stadium Road/ Caldbeck Road is an existing three-arm priority junction, comprising Stadium Road as the major arms and Caldbeck Road as the minor arm.

7.6.16 The 2026 future year results of the capacity analysis are summarised in [Table 7.8](#) with the full PICADY outputs included in [Appendix N](#).

**Table 7.8: Stadium Road/ Caldbeck Road – PICADY Results (2026 Future Year)**

Arm	Friday PM Peak			Saturday Peak		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
2026 Base + Committed						
Caldbeck Road	0.4	9.85	0.31	0.3	8.70	0.26
Stadium Road (S)	0.5	15.66	0.35	0.4	13.70	0.28
Stadium Road (N)	0.4	5.42	0.22	0.4	5.32	0.22
2026 Base + Committed + Development						
Caldbeck Road	0.4	9.88	0.31	0.4	8.73	0.26
Stadium Road (S)	0.5	15.73	0.35	0.4	13.25	0.29
Stadium Road (N)	0.4	5.42	0.22	0.4	5.54	0.20

## 7.7 Proposed Access Arrangement – Junction Capacity Analysis

Proposed Access Junction (Exit)/ Welton Road (East)

- 7.7.1 The proposed access junction comprises an exit only arm onto Welton Road (East) including 2 lanes for left-turn lane and right-turn movements.
- 7.7.2 The 2026 future year results of the capacity analysis are summarised in [Table 7.9](#) with the full PICADY outputs included in [Appendix O](#).

**Table 7.9: Stadium Road/ Caldbeck Road – PICADY Results**

Arm	Friday PM Peak			Saturday Peak		
	Queue (PCU)	Delay (s)	RFC	Queue (PCU)	Delay (s)	RFC
2026 Base + Committed + Development						
Site Exit LT	0.0	5.92	0.0	0.0	6.21	0.02
Site Exit RT	0.0	8.02	0.02	0.1	10.57	0.07

## 7.8 Summary

- 7.8.1 The analysis shows that New Chester Road (A41)/ Caldbeck Road signalised junction and Welton Road / Stadium Road priority junction will be operating at capacity in the 2026 + Committed Development scenario. Although these junctions are expected to be operating at capacity, this is prior to the impact of the proposed development, which has been shown to only have a low impact at the junctions.
- 7.8.2 The traffic modelling shows that the other off-site junctions will all operate within capacity in the 2026 future year scenario, and the proposed development trip will have a low impact at the junctions.
- 7.8.3 The analysis shows that the proposed exit junction onto Welton Road (East) is expected to operate comfortably within capacity and with negligible queuing in the 2026 future year scenario.
- 7.8.4 Overall, the junction capacity analysis shows that the proposed development is expected to have a low impact on the local highway network in the 2026 future year scenario, with low increases in queuing, delay and impact on capacity. The analysis shows that the proposed development will not have a severe impact on the local highway network, which is the threshold stated by NFFP (paragraph 109) under which development should not be refused on highways grounds.

## 8. Car Park Assessment

### 8.1 Introduction

8.1.1 As discussed previously, although Unit 1 complies with WMBC's maximum parking standards, it is acknowledged that the proposed parking provision is approximately 56% of the total maximum standard permitted by WMBC's standards.

8.1.2 However, considering the proposed self-storage use at Unit 1, the proposed parking provision is considered acceptable and to provide further supporting evidence, a car parking accumulation at Unit 1 has been undertaken to demonstrate that sufficient parking is being provided to accommodate expected parking demand.

8.1.3 The 12-hour (07:00 to 19:00) car parking accumulation assessment is based on the TRICS trip rates for the 'Employment -Industrial Unit' land use category. Although Unit 1 is expected to be occupied by a self-storage business, for robustness, the parking accumulation at the unit has been assessed using the TRICS 'Employment -Industrial Unit' land use category.

### 8.2 Parking Accumulation – Unit 1

8.2.1 The car parking accumulation results for Unit 1 (2,415sqm) are shown in [Figure 8.1](#).

**Figure 8.1 : Unit 1 Car Park Accumulation Results**



8.2.2 **Figure 8.1** shows that the parking accumulation at Unit 1 will peak at around 13 to 14 cars during the middle of the day, which is comfortably within the 31 spaces proposed at the unit.

### 8.3 Summary

8.3.1 In summary, the robust car parking accumulation analysis confirms that the proposed car parking provision at Unit 1 is adequate to meet the demand throughout the day, with further spaces available for any occasional spikes in parking demand.

## 9. Framework Travel Plan

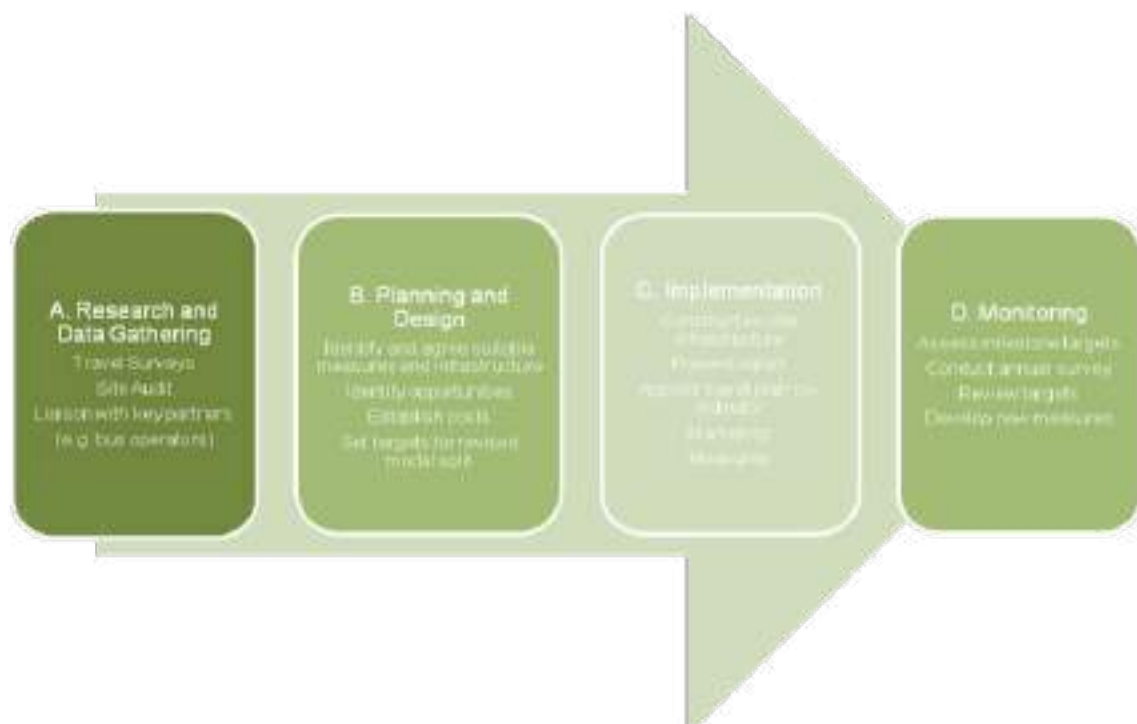
### 9.1 Introduction

9.1.1 The scale and use of the proposed development would require a Travel Plan (TP) to be implemented by the end occupiers. This chapter sets out a framework for the TP which can be secured by an appropriate planning condition and implemented prior to occupation.

9.1.2 A TP provides a strategy for managing travel demand and involves a dynamic process of implementation, monitoring and review to ensure that it is sustainable over the long-term. The underlying aim of any TP is to minimise the number of single occupancy private car trips generated by a development, by encouraging a shift to more sustainable modes of transport, as a result mitigating the impact of travel.

9.1.3 A successful TP needs to follow a four-stage process as shown in [Figure 9.1](#).

**Figure 9.1: Travel Plan Process**



9.1.4 The TP process will provide the following:

- Details of the provision for cyclists, pedestrians, and public transport users;
- An example toolkit of sustainable travel measures;
- Potential milestone targets that could be developed for on-going implementation; and

- A Strategy for ongoing monitoring and review would be developed and this would include the appointment of a designated Travel Plan Co-ordinator (TPC) who would take on specific responsibility for progressing and reviewing the uptake of measures.

9.1.5 The key objectives of the TP will be taken forward by a TPC who will seek to:

- Reduce the need to travel by car to and from the site;
- Promote the health and cost benefits of cycling, walking and using public transport;
- Promote the cost benefits of car sharing;
- Provide clear information to employees, visitors and customers on sustainable modes of travel to and from the site;
- Provide information to employees, visitors and customers on the alternative sustainable modes of travel; and
- Enhances safety and security for employees, visitors and customers travelling to and from the site.

## 9.2 Travel Plan Measures

9.2.1 In order to meet the objectives and targets, it will be necessary to implement a number of measures and initiatives both prior to and during the occupation of the proposed development. A summary of the proposed TP measures are as follows:

- Appointing a Travel Plan Co-ordinator;
- Undertaking Employee, Visitor and Customer Travel Surveys;
- Encouraging Walking;
- Encouraging Cycling;
- Promoting Public Transport; and
- Promoting Sustainable Car Sharing.

## 9.3 Travel Plan Coordinator (TPC)

9.3.1 A TPC will need to be appointed by each of the end occupiers and made responsible for the development of a full TP for each business. The TPC role should be fulfilled by a representative of the future site occupants usually for a minimum of five years following first occupation. The TPC will act as a liaison point for any issues relating to the TP. This will include liaising with the local authority and, where required, public transport operators.

9.3.2 The appointment of a TPC and production of a full TP can be secured via an appropriate planning condition.

- The anticipated roles and responsibilities of the TPC will include:

- Administer/manage the TP and provide a liaison in implementing the plan with the Local Authority;
- Ensure travel awareness amongst occupants;
- Provide a point of contact to discuss travel information and options;
- Promote and encourage the use of travel modes other than the car and car-sharing, where appropriate; and
- Ensure the availability of the most up to date travel information.

9.3.3 The TPC will be responsible for conducting a travel survey within six months of site occupation. The TPC will submit these results to the Local Planning and Highway Authority; together the parties will form more specific measures for the final TP.

## 9.4 Targets, Monitoring and Review

9.4.1 The monitoring and review programme to be undertaken by the TPC will be designed to generate information by which the TP can be evaluated, revised, developed and improved.

9.4.2 The principal objective of the plan is to affect a reduction in the use of private cars. In the first instance, a suitable indicator of the success of the plan will be a review of employee, visitors and customers and their travel movements.

9.4.3 Upon completion of the first travel questionnaire, it will be appropriate to set targets which seek to achieve an increased proportion of employees travelling by more sustainable forms of transport. Notwithstanding this, a number of preliminary action targets are set out below.

### Travel Plan Targets

9.4.4 Targets are measurable goals against which progress of the TP in achieving its objectives can be assessed. Current modal split figures for people working in Wirral 009 MSOA provide an important baseline from which to measure the TP's effectiveness, as summarised in [Table 9.2](#).



**Table 9.2: Modal Split – 2011 Census Data (Journey to Work)**

Mode	Percentage
Work mainly from home	0%
Underground, metro, light rail or tram	0%
Train	3%
Bus, minibus or coach	6%
Taxi	1%
Motorcycle, scooter or moped	1%
Driving a car or van	72%
Passenger in a car or van	7%
Bicycle	3%
On foot	7%
Other	0%

9.4.5 It will not be possible to set final targets for modal shift until after the site has been occupied and an initial Travel Survey has been undertaken. Targets will need to be SMART – Specific, Measurable, Achievable, Realistic and Time-related.

9.4.6 **Table 9.3** sets out an Action Plan for how the TP could implement the various actions that would be required in order to establish and maintain the TP. These provide a context and a framework for the targets and measures that will be developed as part of the TP, which will include more accurate targets for achieving modal shift following the initial travel survey.

**Table 9.3: Travel Plan Action Plan**

Activity	Description	Frequency for Review	Deadline for Completion After Occupation	Lead
Appoint Travel Plan Co-ordinator	Lead person identified to co-ordinate the development and implementation of the Travel Plan	Annual	At least 1 month prior to first occupation	Site Occupier
Baseline assessment of modes of travel and preferences and questionnaires	Engagement with residents through questionnaires in order to provide a baseline assessment.	Annual	Within 12months of first occupation or 50% occupation of development (whichever is sooner)	TPC
Analysis of Baseline Information	Analysis of survey information to identify trends, make recommendations and develop action plan.	Annual	Within 12 Months	TPC
Develop Action Plan	Information used to identify initiatives which are set out in a detailed action plan	Annual	Within 12 Months	TPC
Sign Off Plan	Formal approval of Travel Plan and its activities by <b>WMBC</b>	One-off sign off	Within 12 Months	TPC
Review, Update and Report	Review travel plan, including results of surveys and questionnaires. Update action plan as required and submit progress report to <b>WMBC</b>	Annual	For 5-years after first occupation	TPC

9.4.7 TPs are dynamic documents that require monitoring and review to ensure that they remain relevant and continue to be implemented, this process is outlined below.

9.4.8 To enable the success of the TP to be established, the TPC would be responsible for ongoing monitoring which will be undertaken at regular intervals.

9.4.9 To aid this, it is likely that a programme of regular monitoring of travel patterns will be established to measure changes against the baseline travel survey. Full details, including the methodology and monitoring schedule will be provided in the full TP and agreed with Local Planning and Highway Authority, WMBC.

9.4.10 The monitoring would consist of such items as;

- Travel Questionnaire;
- Level of usage of the car sharing scheme (if operational); and
- General feedback from employees.

9.4.11 Information gathered as part of the continuous monitoring process would be made available to WBC. Through this medium, future strategies for further TP objective development can be considered in partnership between employees, WMBC and local transport providers.

9.4.12 The TPC will also be responsible for continuing the investigation into the potential for incentives and subsidised travel and equipment through negotiations with the relevant stakeholders, beyond the point of first implementation.

#### TP Review

9.4.13 The TPC will arrange for an annual review of the TP to assess the success of the plan to date. The TPC will then be expected to prepare a monitoring report which will summarise the results of the annual travel surveys, assess the results against the TP targets to provide an indication of the success of the TP, and identify measures which could potentially be included in the future.

9.4.14 The re-issue of the travel questionnaire (annually) will provide the opportunity for employees to gather new information regarding attitudes to travel and on the modal split in comparison to the previous years.

9.4.15 The monitoring report would be submitted to WMBC to allow for the ongoing independent monitoring of the TP.

## 10. Summary and Conclusion

### 10.1 Summary

10.1.1 Mode Transport Planning has been appointed by Redsun Projects Ltd to provide transport and highways advice in relation to a hybrid planning application for an industrial-led mixed-use development adjacent to Croft Retail Park in Bromborough, Wirral.

10.1.2 The development proposals comprise seven Industrial Units (Use Class E(g)(iii)/B2/B8), total floor area 6,567sqm, and drive-thru café/ restaurant (Use Class A3), floor area up to 205sqm. The site will be accessed via a new one-way route between Welton Road (west and east).

10.1.3 The proposed industrial units to the south (Unit 1 and Units 2A-D) and to the north (Unit 3 and Unit 4) of the access road will be subject to a full planning application. The proposed drive-thru café/ restaurant will be subject to an outline application, with details to be submitted as part of a later reserved matters application.

10.1.4 The analysis in this report has been carried out in accordance with current policy, guidance and best practice. The results demonstrate that:

- In accordance with local and national policy, the site is accessible by a range of sustainable modes of transport, including walking, cycling and bus services. These travel options provide a realistic alternative to single occupancy car travel, particularly for commuting trips;
- The proposed access arrangement and visibility splays comply with the relevant highway design standards;
- Swept path analysis demonstrates that the largest vehicles associated with the development proposals, including a 16.5m articulated HGV, can enter and exit the site in a forward gear, and manoeuvre safely within the site;
- Following a review of the most recent PIC records, there is no evidence to show the proposed development will have a detrimental impact on highway safety;
- The proposed on-site parking provision complies with WMBC's local parking standards and car parking accumulation analysis confirms the level of car parking provided is sufficient to meet the demand; and
- The junction capacity analysis shows that the proposed development is expected to have a low impact on the local highway network in the 2026 future year scenario, with low increases in queuing, delay and impact on capacity.

## 10.2 Conclusion

10.2.1 In conclusion, based on the evidence and analysis within this report, there should be no highways or transport planning reasons that prevents this planning application from being approved.

# APPENDICES

# APPENDIX A

Site Masterplan

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**SOFTWARE INTEROPERABILITY**  
 C4 Projects prepared this drawing using Autodesk REVIT Architecture.

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Site Area		
Name	Metric	Imperial
Overall Site	22523.84 m <sup>2</sup>	5.57 acres

Area Schedule (GIA) - Option 9		
Level	Area	
	Metric	Imperial
Unit 1		
GF GIA	2,229.65 m <sup>2</sup>	24,000 ft <sup>2</sup>
1F GIA	185.82 m <sup>2</sup>	2,000 ft <sup>2</sup>
Unit 1	2,415.47 m <sup>2</sup>	26,000 ft <sup>2</sup>
Unit 2		
GF GIA	412.64 m <sup>2</sup>	4,442 ft <sup>2</sup>
GF GIA	277.41 m <sup>2</sup>	2,986 ft <sup>2</sup>
GF GIA	273.92 m <sup>2</sup>	2,945 ft <sup>2</sup>
GF GIA	416.09 m <sup>2</sup>	4,479 ft <sup>2</sup>
Unit 2	1,380.07 m <sup>2</sup>	14,855 ft <sup>2</sup>
Unit 3		
GF GIA	1,483.22 m <sup>2</sup>	15,965 ft <sup>2</sup>
1F GIA	112.85 m <sup>2</sup>	1,215 ft <sup>2</sup>
Unit 3	1,596.07 m <sup>2</sup>	17,180 ft <sup>2</sup>
Unit 4		
GF GIA	1,071.81 m <sup>2</sup>	11,535 ft <sup>2</sup>
1F GIA	104.50 m <sup>2</sup>	1,125 ft <sup>2</sup>
Unit 4	1,176.31 m <sup>2</sup>	12,660 ft <sup>2</sup>
TOTAL	6,567.71 m <sup>2</sup>	70,694 ft <sup>2</sup>

Hazard Identification		
ref	hazard	date

- Legend:**
- Bicycle Provision
  - Bin Store Enclosure
  - Existing Trees (exact location TBC) To be retained
  - Existing Trees to be Carefully removed

Parking Schedule - Option 9		
Description	Count	
Unit 1		
Standard car parking bay	29	
Disabled parking bay	2	
		31
Unit 2a		
Standard car parking bay	7	
Disabled parking bay	1	
		8
Unit 2b		
Standard car parking bay	5	
Disabled parking bay	1	
		6
Unit 2c		
Standard car parking bay	5	
Disabled parking bay	1	
		6
Unit 2d		
Standard car parking bay	7	
Disabled parking bay	1	
		8
Unit 3		
Standard car parking bay	21	
Disabled parking bay	2	
		23
Unit 4		
Standard car parking bay	15	
Disabled parking bay	2	
		17
TOTAL		
		99

- DEVELOPMENT KEY**
- Ownership Boundary
  - Planning Application Boundary
  - Soft Landscaping
  - Soft Landscaping Mitigation
  - Gravel or similar, access path to substation.
  - Paving
  - Concrete Service Yard
  - Tarmac Road
  - EV Parking
  - Approximate location of existing sewerage & easement.
  - First floor office provision
- Note:** Soft Landscaping shown indicatively.
- UNDERGROUND SERVICES KEY**
- HV CABLE
  - LV CABLE
  - DISTRIBUTION MAIN
  - COMBINED WATER SEWER

P11 Updated following comments	BE	25.06.21
P10 Drive thro entrance road amended following client comments	BE	14.06.21
P9 Drawing updated following road width amendment	BE	14.06.21
P8 Road width reduced & drawing updated	BE	25.05.21 DC
P7 Drawing updated following comments	BE	20.04.21
P6 Drawing updated following client review	BE	16.04.21
P5 Unit 3 moved away from Culvert.	BE	15.04.21
P4 Drawing updated following comment	BE	14.04.21
P3 Drawing updated following receipt of site information	BE	13.04.21
P2 Site plan updated.	BE	10.03.21 DC
P1 Drawing Updated Following Review	BE	03.03.21 CH

**C4 Projects**

Quayside, Widnespool Business Park, Stockton Heath, WAA GHL  
 t: 01925 751 852  
 e: info@c4projects.co.uk  
 www.c4projects.co.uk

Project Management • Architecture • Building Surveying • Cost Consultancy

**Client**  
 Redsun Projects

**Project**  
 Croft Retail Park  
 Bromborough

**Drawing Title**  
 Site Plan as Proposed - Option 9

**Status Purpose of Issue**  
**S2 SUITABLE FOR INFORMATION**

Drawn by BE Created 03.03.21  
 C4 Job no. 19053 Scale As indicated @ A1

Dwg no.	Rev
19053-C4P-AV-ZZ-DR-A-0509	P11

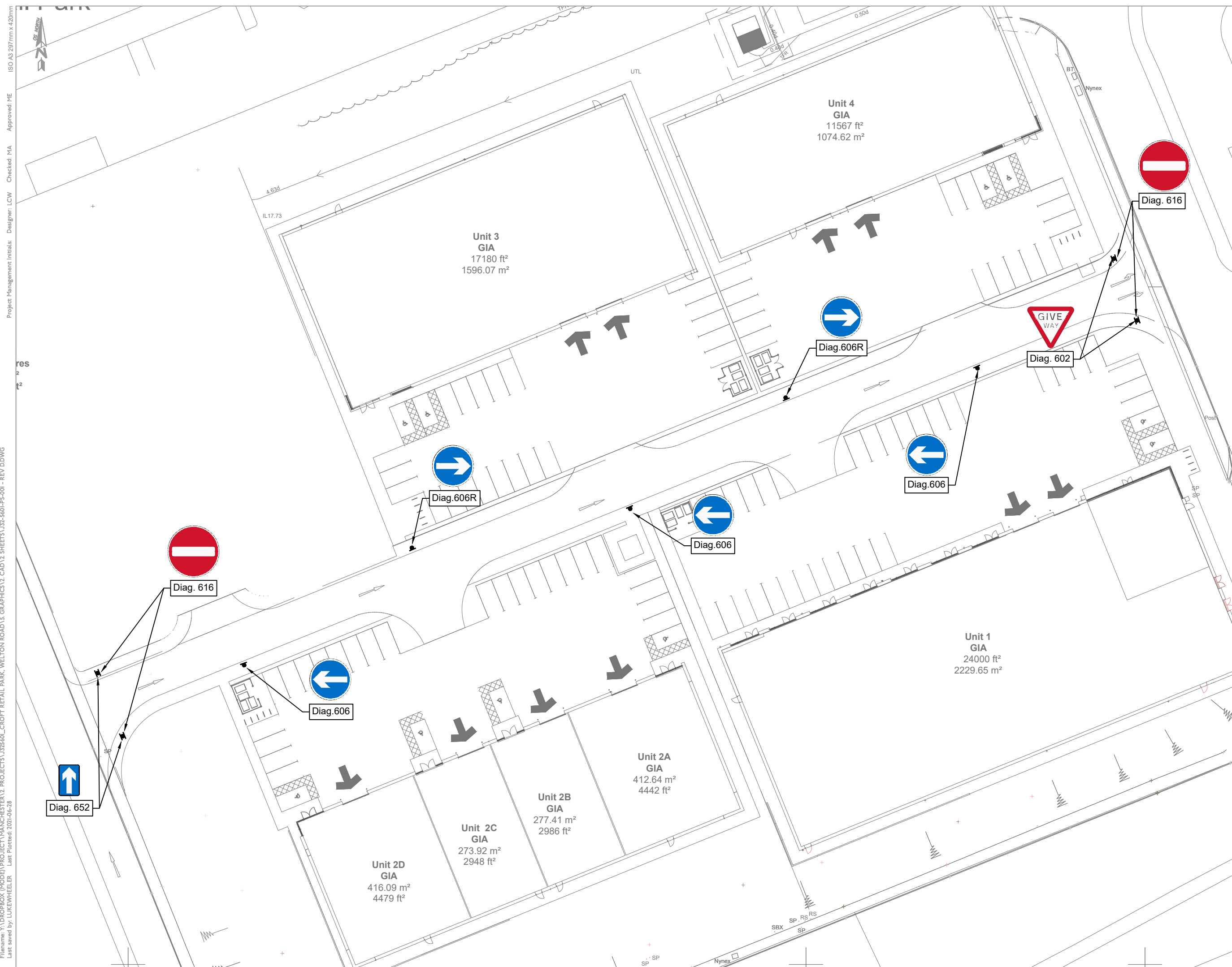


- Dashed Line denotes paladin fence line, colour TBC.
- Estimated position of 13m easement to existing culvert. Exact position TBC.
- Entrance works in accordance with Civil Engineers design, tactile paving and white lining requirements.
- Substation (TBC) if required.
- Totum Signage, exact positions & design tbc
- Potential Retaining Wall with associated knee rails/ guarding, details to be confirmed via condition.
- Totum Signage, exact positions & design tbc
- Existing one way traffic system on Welton Road



# APPENDIX B

Proposed Site Access Drawing



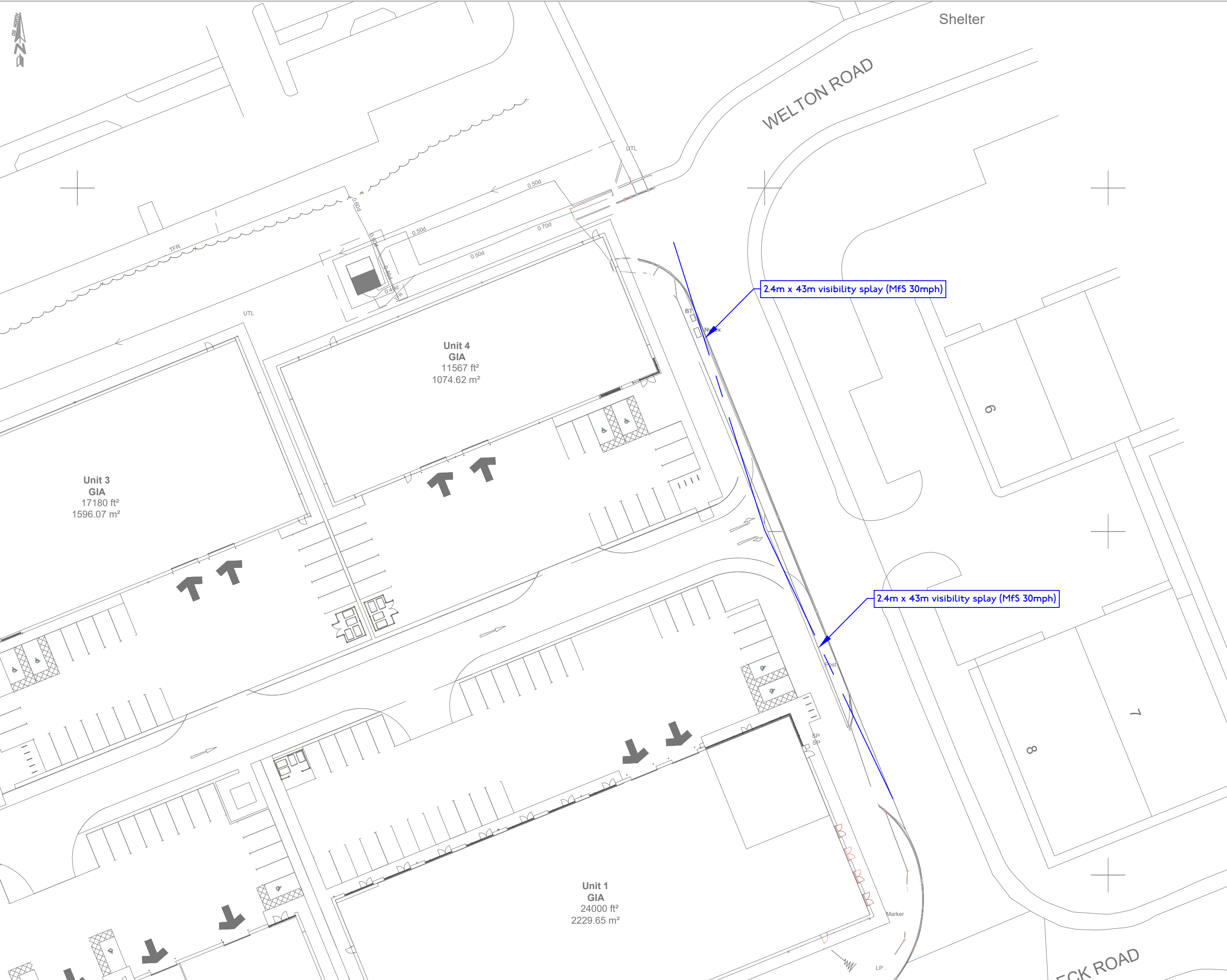
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1. this drawing is to be read in conjunction with all other relevant drawings, any discrepancies, errors or omissions to be brought to the attention of overseeing organisation.
  2. all dimensions to be checked before commencement of work on site.
  3. all dimensions in metres unless otherwise stated.
  4. the design is subject to approval of Wirral metropolitan borough council.
  5. drawing based on drawing 19053-c4p-av-zz-m2-s-0509\_P11\_site plan as proposed provided by client.

issue/revision	date	description
D	28/06/2021	issued
C	16/06/2021	issued
-	15/06/2021	issued
l/r		

client: redsun projects  
 project: croft retail park, bromborough  
 project number: J325601  
 scale: 1:500@A3  
 drawing title: Signage Strategy  
 drawing number: J32-5601-PS-001

ISO A3 297mm x 420mm  
 Approved: ME  
 Project Management: initials: Designer: LCW Checked: MA  
 res  
 2  
 2  
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 Last saved by: LUKE WHEELER Last plotted: 2021-06-18

ISO A3 297mm x 420mm  
Approved: ME  
Checked: MA  
Designer: LCW  
Project Management Initials:  
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C	16/06/2021	issued
-	15/06/2021	issued
l/r	date	description

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scale: 1:500@A3  
drawing title:  
visibility splays  
drawing number:  
J32-5601-PS-004

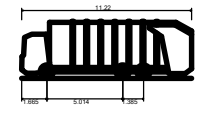
# APPENDIX C

## Swept Path Analysis

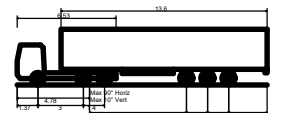


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Phoenix 2 Duo Recycler (P2-15W with Elite 6x4 chassis)  
Overall Length 11.220m  
Overall Width 2.530m  
Overall Body Height 3.756m  
Min Body Ground Clearance 0.300m  
Track Width 2.530m  
Lock to lock time 4.00s  
Kerb to Kerb Turning Radius 11.550m



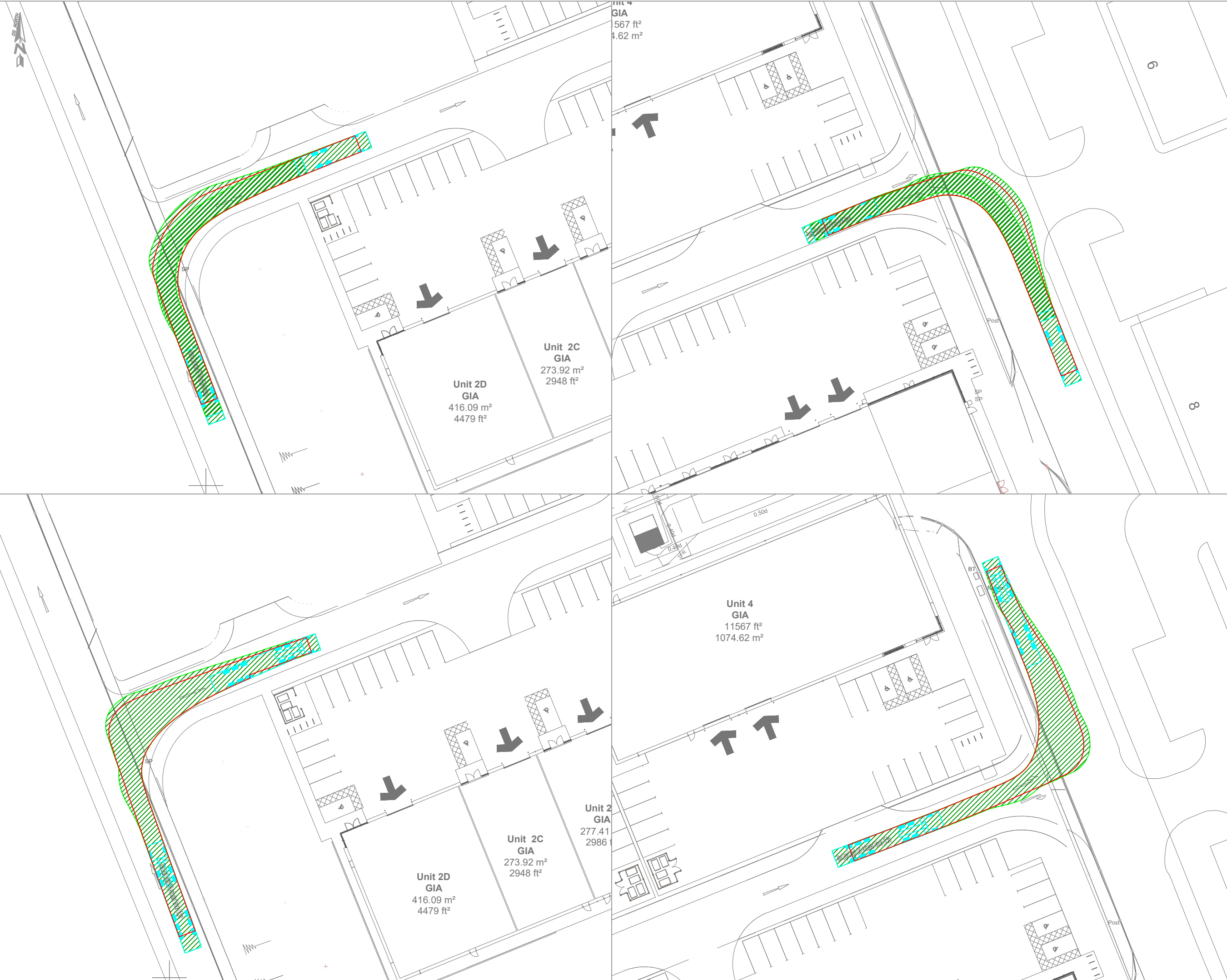
Max Legal Length (UK) Articulated Vehicle (16.5m)  
Overall Length 16.500m  
Overall Width 2.550m  
Overall Body Height 3.651m  
Min Body Ground Clearance 0.411m  
Max Track Width 2.550m  
Lock to lock time 6.00s  
Kerb to Kerb Turning Radius 6.530m

- notes:
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  2. all dimensions to be checked before commencement of work on site.
  3. all dimensions in metres unless otherwise stated.
  4. the design is subject to approval of wirral metropolitan borough council.
  5. drawing based on drawing 19053-c4p-av-zz-m2-s-0509\_P11\_site plan as proposed provided by client.

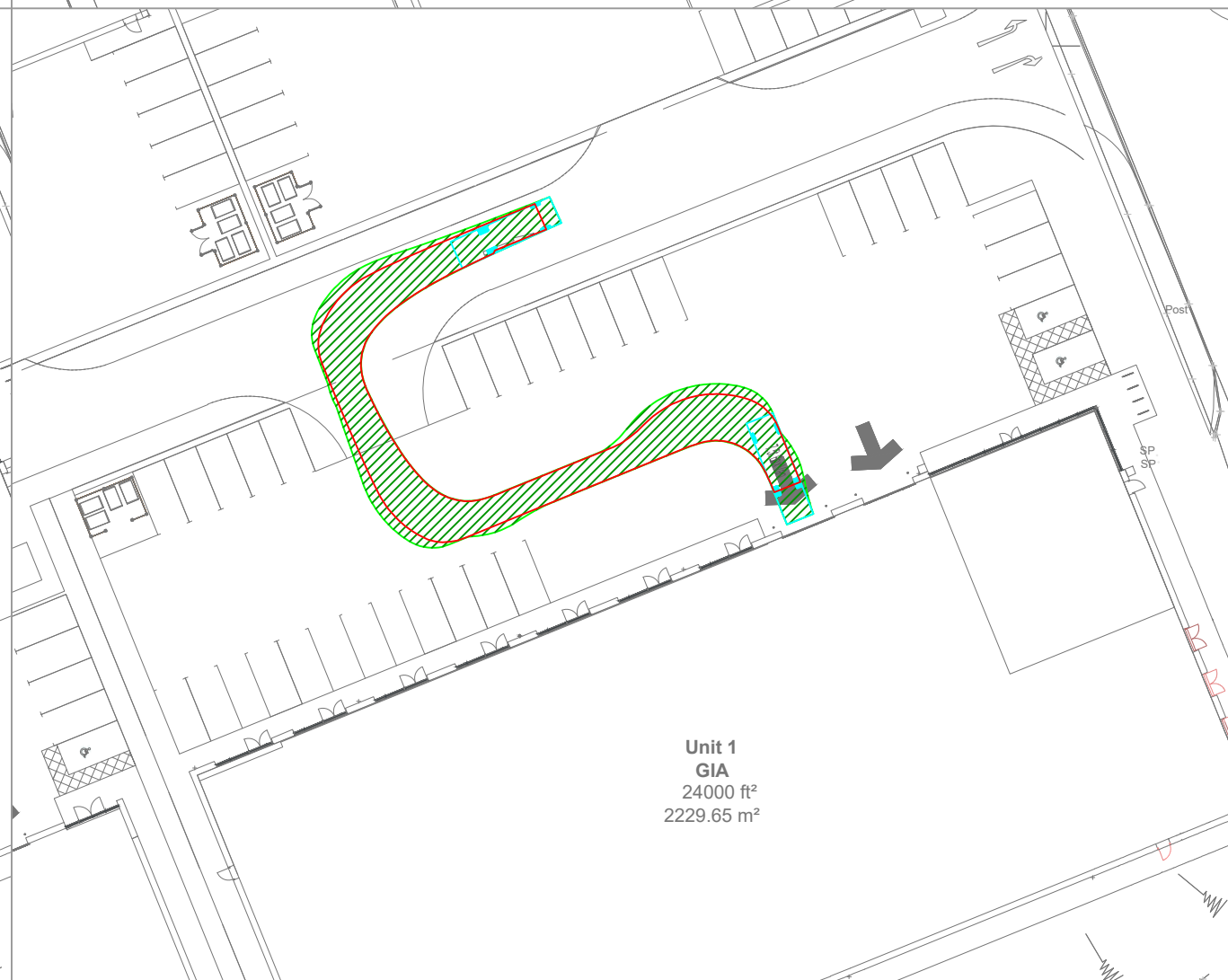
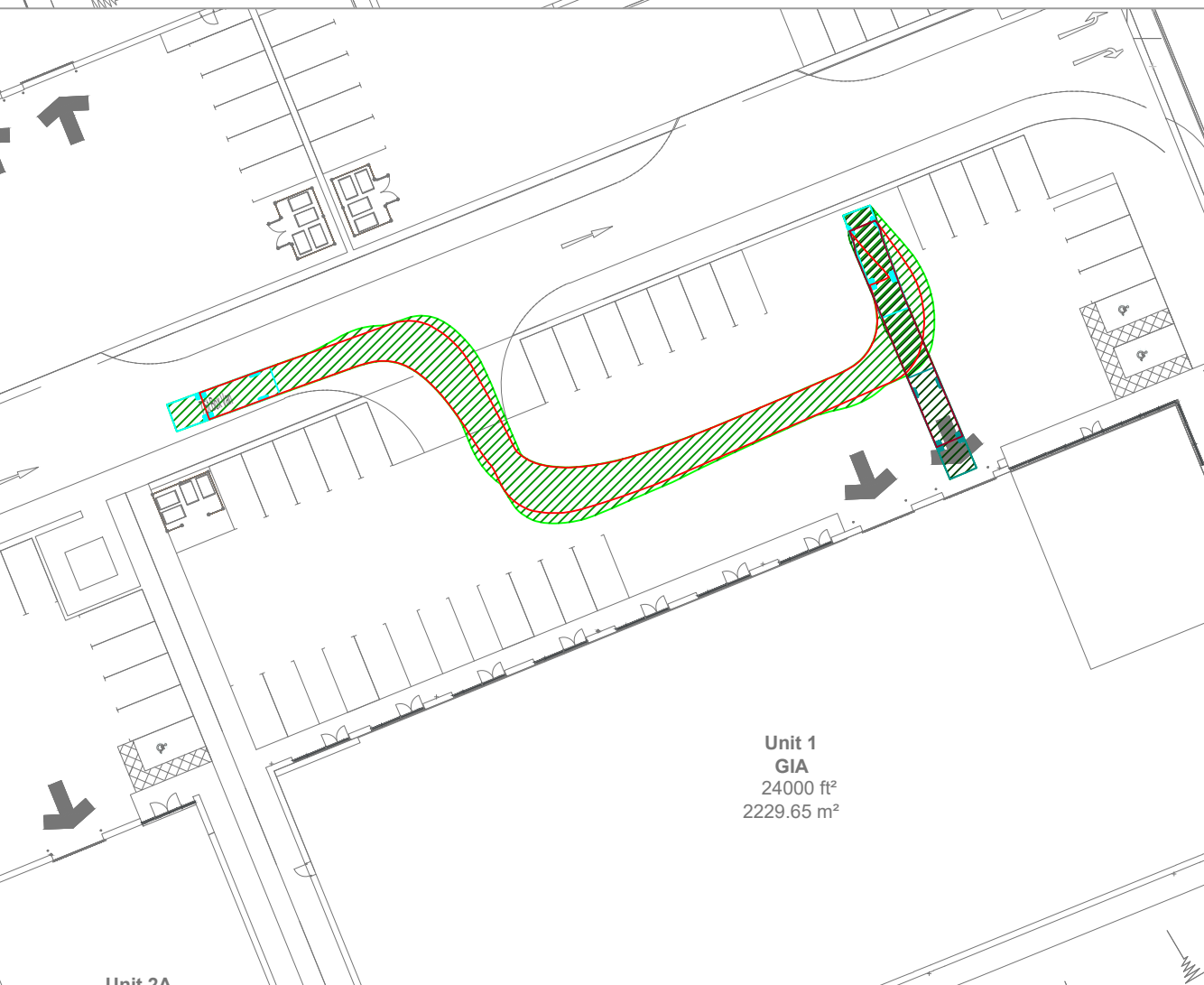
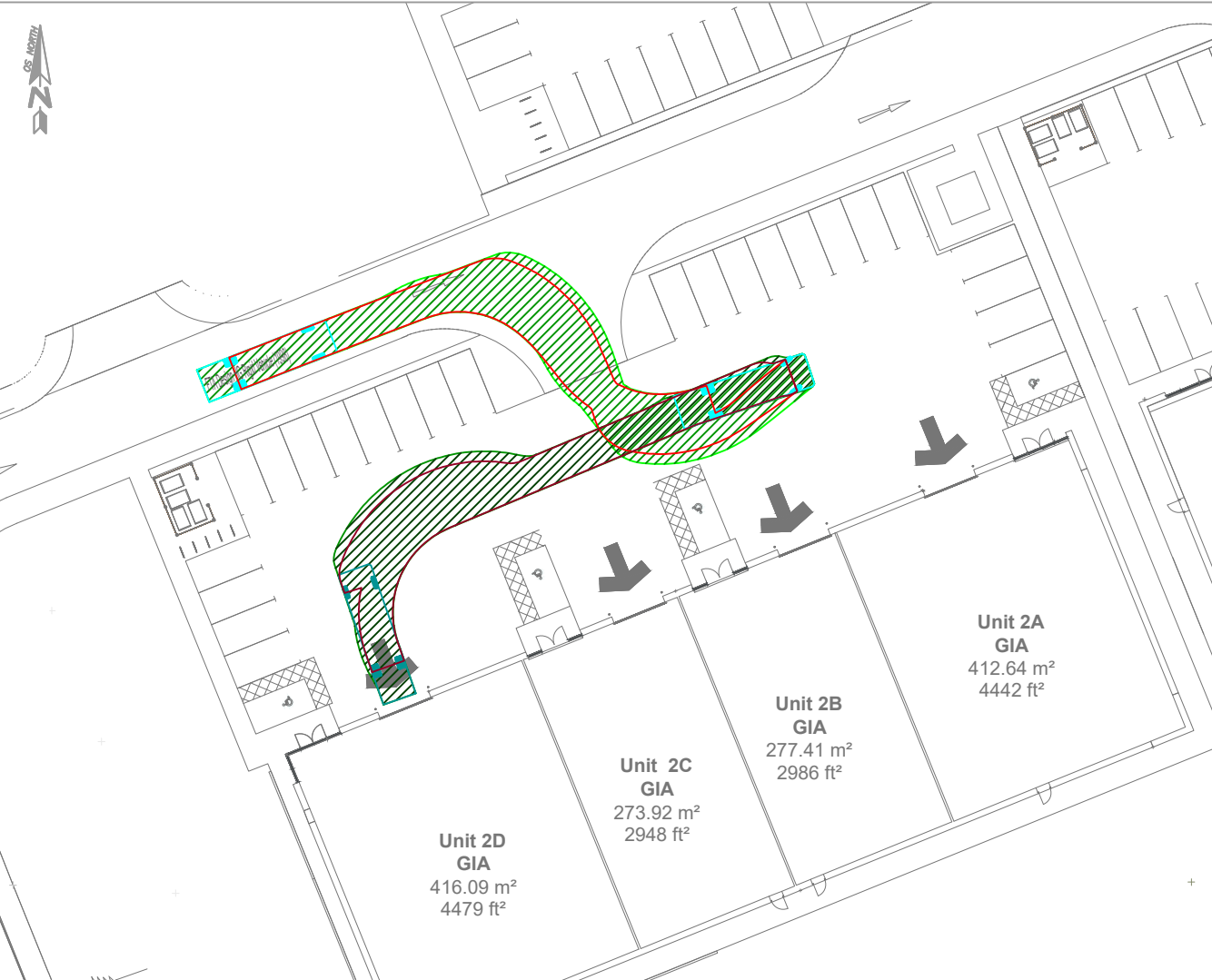
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-	15/06/2021	issued
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project number: J325601  
scale: 1:500@A3  
drawing title: swept path analysis - site access  
drawing number: J32-5601-PS-002

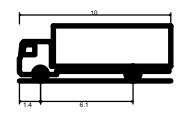
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Approved: ME  
Checked: MA  
Designer: LCW  
Project Management Initials:  
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Last saved by: LUKE WHEELER Last Plotter: 2021-06-18



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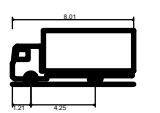


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**FTA Design HG Rigid Vehicle (1998)**

Overall Length	10.000m
Overall Width	2.500m
Overall Body Height	3.645m
Min Body Ground Clearance	0.440m
Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	11.000m



**7.5t Box Van**

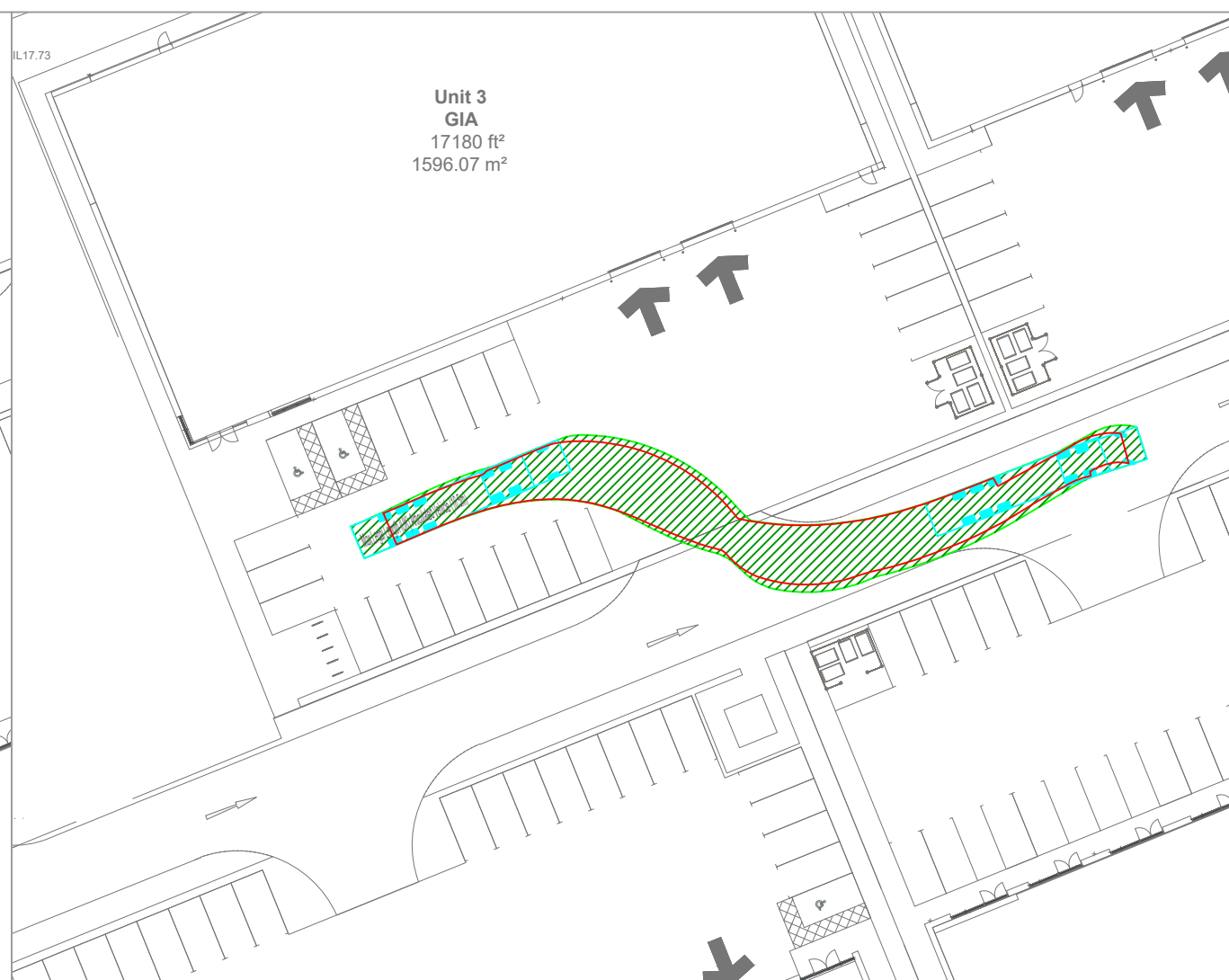
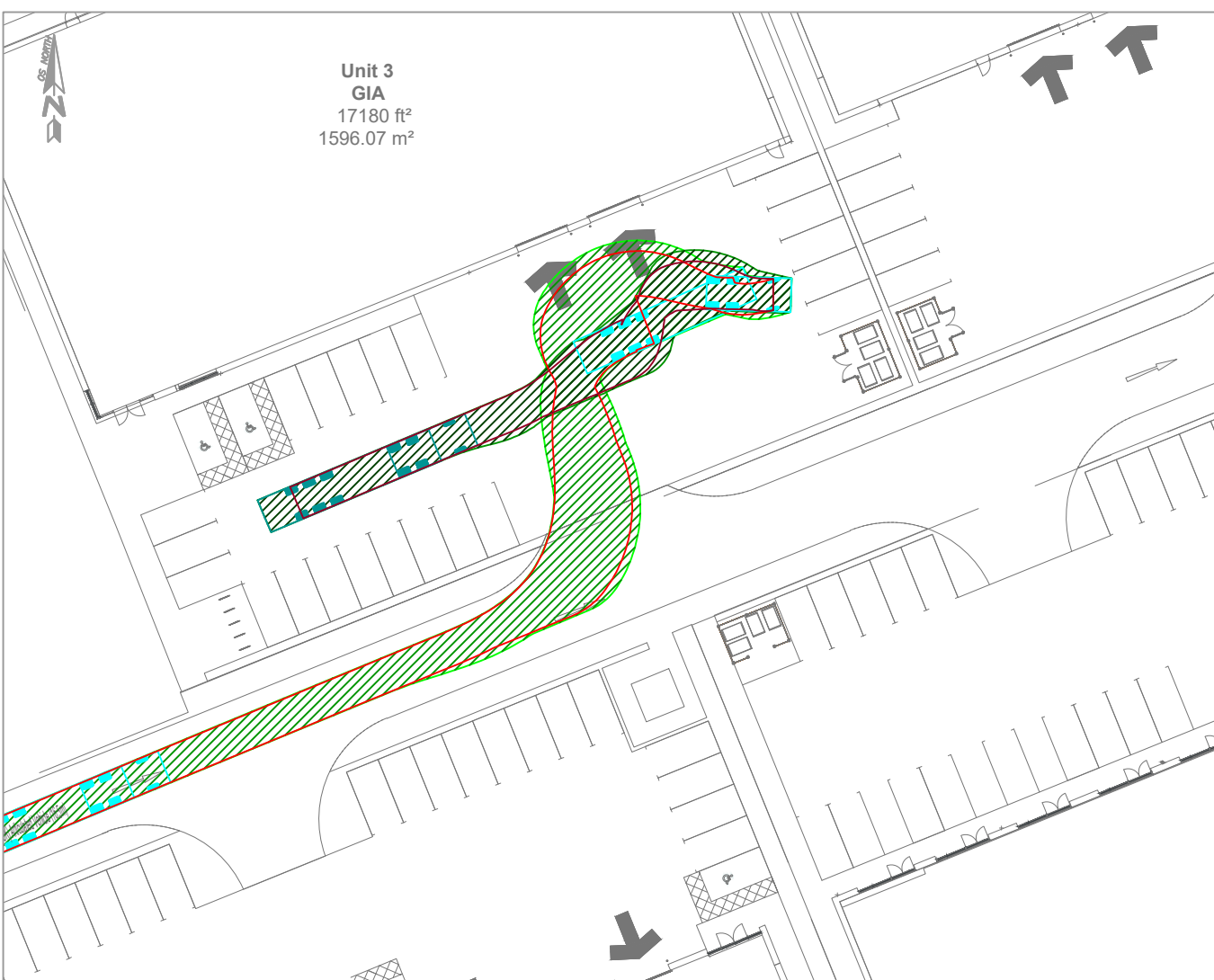
Overall Length	8.010m
Overall Width	2.100m
Overall Body Height	3.555m
Min Body Ground Clearance	0.351m
Track Width	2.954m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	7.400m

- notes:
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C	16/06/2021	issued
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l/r	date	description

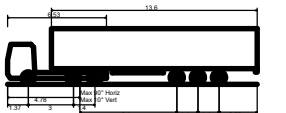
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 project: croft retail park, bromborough  
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 drawing title:  
 swept path analysis - internal site  
 drawing number:  
 J32-5601-PS-003

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 Project Management Initials: Designer: LCW Checked: MA Approved: ME  
 ISO A3 297mm x 420mm



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Max Legal Length (UK) Articulated Vehicle	16.500m
Overall Length	2.550m
Overall Body Height	3.581m
Min Body Ground Clearance	0.411m
Max Trunk Width	2.500m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	6.530m

- notes:
1. this drawing is to be read in conjunction with all other relevant drawings, any discrepancies, errors or omissions to be brought to the attention of overseeing organisation.
  2. all dimensions to be checked before commencement of work on site.
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  5. drawing based on drawing 19053-c4p-av-zz-m2-s-0509\_P11\_site plan as proposed provided by client.

issue/revision	date	issued	description
-	28/06/2021	l/r	

client: redsun projects  
 project: croft retail park, bromborough  
 project number: J325601  
 scale: 1:500@A3  
 drawing title:  
 swept path analysis - internal site  
 drawing number:  
 J32-5601-PS-005

# APPENDIX D

Local Bus Timetables





Valid from **30 August 2020**

## Bus timetable

# 1, X1 **Liverpool - Chester**

These services are provided by Stagecoach





## What's changed?

Route 1: Journeys no longer extend through to serve Chester Business Park  
Monday to Saturday frequency reduced to every 30 minutes.  
Sunday frequency reduced to hourly.

Route X1: Route is altered - now calling at Birkenhead Bus Station and travelling along New Chester Road instead of Rock Ferry ByPass (both directions).  
Monday to Saturday frequency reduced to every 30 minutes.  
Sunday frequency reduced to hourly. All times are changed.



## Any comments about this service?

If you've got any comments or suggestions about the services shown in this timetable, please contact the bus company who runs the service:

### Stagecoach Merseyside

East Lancashire Road, Gillmoss, Liverpool, L11 0BB  
0151 330 6200

or contact us at Merseytravel:

#### By e-mail

[ask@merseytravel.gov.uk](mailto:ask@merseytravel.gov.uk)

#### By phone

0151 330 1000

#### In writing

PO Box 1976, Liverpool, L69 3HN



## Need some help or more information?

For help planning your journey, call **0151 330 1000**, open 0800 - 2000, 7 days a week.



You can visit one of our Travel Centres across the Merseytravel network to get information about all public transport services. To find out opening times, phone us on **0151 330 1000**.



Our website contains lots of information about public transport across Merseyside.  
You can visit our website at **[www.merseytravel.gov.uk](http://www.merseytravel.gov.uk)**

Bus services may run to different timetables during bank and public holidays, so please check your travel plans in advance.



## Large print timetables

We can supply this timetable in another format, such as large print.  
Either call **0151 330 1000** or email us at **[ask@merseytravel.gov.uk](mailto:ask@merseytravel.gov.uk)**



1  
X1

Liverpool - Ellesmere Port - Cheshire Oaks - Chester  
Liverpool - Ellesmere Port - Cheshire Oaks - Chester

Stagecoach

## Route Descriptions

**Route 1 between Liverpool and Chester Rail Station: from** LIVERPOOL CITY CENTRE (SIR THOMAS STREET) via Whitechapel, Crosshall Street, Victoria Street, Queensway (Birkenhead) Mersey Tunnel, Chester Street, Market Street, Hamilton Street, Tunnel Approach Road, Conway Street, BIRKENHEAD BUS STATION, Conway Street, Argyle Street, Tunnel Overpass, New Chester Road, Croft Avenue East, Spital Road, Bromborough Village Road, New Chester Road, Chester Road, Sutton Way, Whitby Road, Civic Way, Wellington Road, ELLESMERE PORT BUS STATION, Civic Way, Wellington Road, Stanney Lane, Coliseum Way, Cheshire Oaks Outlet Village, Kinsey Road, Longlooms Road, Stanney Woods Avenue, Longlooms Road, A5117, A5032, Backford, Liverpool Road, Moston Road A41, Chester Zoo, Moston Road A41, Flag Lane South, Heath Road, Upton Lane, Liverpool Road, Upper Northgate Street, Delamere Street, George Street, to CHESTER BUS INTERCHANGE then via Hoole Way, Brook Street, Station Road to CHESTER RAIL STATION.

**Route 1 between Chester Rail Station and Liverpool: from** CHESTER RAIL STATION via Station Road, Brooks Street, Hoole Way to CHESTER BUS INTERCHANGE via George Street, Upper Northgate Street, Liverpool Road, Upton Lane, Heath Road, Flag Lane South, Moston Road A41, Chester Zoo, Moston Road A41, Liverpool Road, Backford, Whitby Lane, A5117, Longlooms Road, Stanney Woods Avenue, Longlooms Road, Coliseum Way, Cheshire Oaks Outlet Village, Kinsey Road, Stanney Lane, Wellington Road, Civic Way, Ellesmere Port Bus Station, Wellington Road, Civic Way, Whitby Road, Sutton Way, Chester Road, A41 New Chester Road, Bromborough Village Road, Spital Road, Croft Avenue East, New Chester Road, Chester Street, Borough Road East, Clifton Crescent, Argyle Street, Conway Street, BIRKENHEAD BUS STATION, Conway Street, Queensway (Birkenhead) Mersey Tunnel, Old Haymarket, Whitechapel to LIVERPOOL CITY CENTRE (WHITECHAPEL).

**Route X1 between Liverpool and Chester: from** LIVERPOOL CITY CENTRE (SIR THOMAS STREET) via Whitechapel, Crosshall Street, Victoria Street, Queensway (Birkenhead) Mersey Tunnel, Chester Street, Market Street, Hamilton Street, Tunnel Approach Road, Conway Street, BIRKENHEAD BUS STATION, Conway Street, Argyle Street, Tunnel Overpass, New Chester Road, Croft Avenue East, Spital Road, Bromborough Cross, Bromborough Village Road, New Chester Road, Chester Road, Station Road, Rossmore Road West, Overpool Road, Sutton Way, Whitby Road, Civic Way, Wellington Road, ELLESMERE PORT BUS STATION, Wellington Road, Stanney Lane, Coliseum Way, Cheshire Oaks Outlet Village, Kinsey Road, Longlooms Road, Strawberry Way East, Whitby Lane, Liverpool Road, Moston Road, A41, Chester Zoo, Moston Road, A41, Hoole Road, Hoole Way, Station Road, City Road, St Oswalds Way to CHESTER BUS INTERCHANGE.

**Route X1 between Chester and Liverpool: from** CHESTER BUS INTERCHANGE via St Oswalds Way, City Road, Station Road, Hoole Way, Hoole Road, A41, Moston Road, Chester Zoo, A41, Moston Road, Liverpool Road, Whitby Lane, Strawberry Way East, Longlooms Road, Coliseum Way, Cheshire Oaks Outlet Village, Kinsey Road, Stanney Lane, Wellington Road, ELLESMERE PORT BUS STATION, Wellington Road, Civic Way, Whitby Road, Sutton Way, Overpool Road, Rossmore Road West, Station Road, Chester Road, New Chester Road, Croft Avenue East, New Chester Road, Chester Street, Borough Road East, Clifton Crescent, Argyle Street, Conway Street, BIRKENHEAD BUS STATION, Conway Street, Queensway (Birkenhead) Mersey Tunnel, Old Haymarket, Whitechapel to LIVERPOOL CITY CENTRE (WHITECHAPEL).



# 1 Liverpool - Ellesmere Port - Cheshire Oaks - Chester






Stagecoach

## Mondays to Fridays

<b>Liverpool</b> Sir Thomas Street	-	-	-	0615	0645	0715	0745	0815	0845		<b>15</b>	<b>45</b>	
<b>Birkenhead Bus Station</b>	-	0536	0606	0627	0657	0727	0757	0827	0857		<b>27</b>	<b>57</b>	
<b>Rock Ferry</b> Stagecoach Bus Depot	0513	0543	0613	0638	0708	0738	0808	0838	0908		<b>38</b>	<b>08</b>	
<b>New Ferry</b> Toll Bar	0515	0545	0615	0641	0711	0741	0811	0841	0911		<b>41</b>	<b>11</b>	
<b>Bromborough Cross</b>	0523	0553	0623	0651	0721	0751	0821	0851	0921		<b>51</b>	<b>21</b>	
<b>Eastham</b> Bridle Road	0528	0558	0628	0656	0726	0756	0826	0856	0926	then at these mins past each hour	<b>56</b>	<b>26</b>	
<b>Little Sutton</b> Chester Road, Red Lion Lane	0534	0604	0634	0703	0733	0803	0833	0903	0933		<b>03</b>	<b>33</b>	
<b>Great Sutton</b> The Bulls Head	0537	0607	0637	0706	0736	0806	0836	0906	0936		<b>06</b>	<b>36</b>	until
<b>Ellesmere Port Bus Station</b>	0544	0614	0644	0713	0743	0813	0843	0913	0943	<b>13</b>	<b>43</b>		
<b>Cheshire Oaks</b>	0553	0623	0653	0722	0752	0822	0852	0922	0952		<b>22</b>	<b>52</b>	
<b>Blue Planet Aquarium</b>	0555	0625	0655	0724	0754	0824	0854	0924	0954		<b>24</b>	<b>54</b>	
<b>Chester Zoo</b>	↓	↓	↓	↓	↓	↓	↓	↓	1005		<b>35</b>	<b>05</b>	
<b>Upton</b> Upton Lane, The Wheatsheaf pub	0606	0636	0706	0735	0805	0835	0905	0935	1008		<b>38</b>	<b>08</b>	
<b>Bache</b> Liverpool Road, Mill Lane	0609	0639	0709	0739	0809	0839	0909	0939	1012		<b>42</b>	<b>12</b>	
<b>Chester</b> Bus Interchange	0615	0645	0715	0745	0815	0845	0915	0945	1018		<b>48</b>	<b>18</b>	
<b>Chester</b> Railway Station	0619	0649	0719	0749	0819	0849	0919	0949	1022		<b>52</b>	<b>22</b>	

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## Mondays to Fridays

<b>Liverpool</b> Sir Thomas Street		1545	1615	1645	1715	1745	1815	1830	1900	1940	2040	2140	2240
<b>Birkenhead Bus Station</b>		1557	1627	1657	1727	1757	1827	1840	1910	1950	2050	2150	2250
<b>Rock Ferry</b> Stagecoach Bus Depot		1608	1638	1708	1738	1808	1838	1847	1917	1957	2057	2157	2257
<b>New Ferry</b> Toll Bar		1611	1641	1711	1741	1811	1841	1849	1919	1959	2059	2159	2259
<b>Bromborough Cross</b>		1621	1651	1721	1751	1821	1851	1957	1927	2007	2107	2207	2307
<b>Eastham</b> Bridle Road		1626	1656	1726	1756	1826	1856	1902	1932	2012	2112	2212	2312
<b>Little Sutton</b> Chester Road, Red Lion Lane		1633	1703	1733	1803	1833	1903	1908	1938	2018	2118	2218	2318
<b>Great Sutton</b> The Bulls Head		1636	1706	1736	1806	1836	1906	1910	1940	2020	2120	2220	2320
<b>Ellesmere Port Bus Station</b>		1643	1713	1743	1813	1843	1913	1916	1946	2026	2126	2226	2326
<b>Cheshire Oaks</b>		1652	1722	1752	1822	1852	-	1925	1955	2035	2135	2235	2335
<b>Blue Planet Aquarium</b>		1654	1724	1754	1824	1854	-	1927	1957	2037	2137	2237	2337
<b>Chester Zoo</b>		1705	↓	↓	↓	↓	-	↓	↓	↓	↓	↓	↓
<b>Upton</b> Upton Lane, The Wheatsheaf pub		1708	1735	1805	1835	1905	-	1938	2008	2048	2148	2248	2348
<b>Bache</b> Liverpool Road, Mill Lane		1712	1739	1809	1839	1909	-	1941	2011	2051	2151	2251	2351
<b>Chester</b> Bus Interchange		1718	1745	1815	1845	1915	-	1946	2016	2056	2156	2256	2356
<b>Chester</b> Railway Station		1722	1749	1819	1849	1919	-	-	-	-	-	-	-

Additional Monday to Friday evening journeys operate between Liverpool and Rock Ferry:

<b>Liverpool</b> Sir Thomas Street		1915	2010	2110	2340
<b>Birkenhead Bus Station</b>		1925	2020	2120	2350
<b>Rock Ferry</b> Stagecoach Bus Depot		1932	2027	2127	2357



# 1 Liverpool - Ellesmere Port - Cheshire Oaks - Chester






## Stagecoach

### Saturdays

<b>Liverpool</b> Sir Thomas Street	-	-	-	-	0715	0745	0815	0845		<b>15</b>	<b>45</b>	1545
<b>Birkenhead Bus Station</b>	0536	0606	0627	0657	0727	0757	0827	0857		<b>27</b>	<b>57</b>	1557
<b>Rock Ferry</b> Stagecoach Bus Depot	0543	0613	0638	0708	0738	0808	0838	0908		<b>38</b>	<b>08</b>	1608
<b>New Ferry</b> Toll Bar	0545	0615	0641	0711	0741	0811	0841	0911		<b>41</b>	<b>11</b>	1611
<b>Bromborough Cross</b>	0553	0623	0651	0721	2751	0821	0851	0921		<b>51</b>	<b>21</b>	1621
<b>Eastham</b> Bridle Road	0558	0628	0656	0726	0756	0826	0856	0926	then at these mins past each hour	<b>56</b>	<b>26</b>	1626
<b>Little Sutton</b> Chester Road, Red Lion Lane	0604	0634	0703	0733	0803	0833	0903	0933		<b>03</b>	<b>33</b>	1633
<b>Great Sutton</b> The Bulls Head	0607	0637	0706	0736	0806	0836	0906	0936		<b>06</b>	<b>36</b>	1636
<b>Ellesmere Port Bus Station</b>	0614	0644	0713	0743	0813	0843	0913	0943		<b>13</b>	<b>43</b>	until 1643
<b>Cheshire Oaks</b>	0623	0653	0722	0752	0822	0852	0922	0952		<b>22</b>	<b>52</b>	1652
<b>Blue Planet Aquarium</b>	0625	0655	0724	0754	0824	0854	0924	0954		<b>24</b>	<b>54</b>	1654
<b>Chester Zoo</b>	↓	↓	↓	↓	↓	↓	↓	1005		<b>35</b>	<b>05</b>	1705
<b>Upton</b> Upton Lane, The Wheatsheaf pub	0636	0706	0735	0805	0835	0905	0935	1008		<b>38</b>	<b>08</b>	1708
<b>Bache</b> Liverpool Road, Mill Lane	0639	0709	0739	0809	0839	0909	0939	1012		<b>42</b>	<b>12</b>	1712
<b>Chester</b> Bus Interchange	0645	0715	0745	0815	0845	0915	0945	1018		<b>48</b>	<b>18</b>	1718
<b>Chester</b> Railway Station	0649	0719	0749	0819	0849	0919	0949	1022	<b>52</b>	<b>22</b>	1722	

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## Saturdays

<b>Liverpool</b> Sir Thomas Street		1615	1645	1715	1745	1815	1830	1900	1940	2040	2140	2240
<b>Birkenhead Bus Station</b>		1627	1657	1727	1757	1827	1840	1910	1950	2050	2150	2250
<b>Rock Ferry</b> Stagecoach Bus Depot		1638	1708	1738	1808	1838	1847	1917	1957	2057	2157	2257
<b>New Ferry</b> Toll Bar		1641	1711	1741	1811	1841	1849	1919	1959	2059	2159	2259
<b>Bromborough Cross</b>		1651	1721	1751	1821	1851	1857	1927	2007	2107	2207	2307
<b>Eastham</b> Bridle Road		1656	1726	1756	1826	1856	1902	1932	2012	2112	2212	2312
<b>Little Sutton</b> Chester Road, Red Lion Lane		1703	1733	1803	1833	1903	1908	1938	2018	2118	2218	2318
<b>Great Sutton</b> The Bulls Head		1706	1736	1806	1836	1906	1910	1940	2020	2120	2220	2320
<b>Ellesmere Port Bus Station</b>		1713	1743	1813	1843	1913	1916	1946	2026	2126	2226	2326
<b>Cheshire Oaks</b>		1722	1752	1822	1852	-	1925	1955	2035	2135	2235	2335
<b>Blue Planet Aquarium</b>		1724	1754	1824	1854	-	1927	1957	2037	2137	2237	2337
<b>Chester Zoo</b>		↓	↓	↓	↓	-	↓	↓	↓	↓	↓	↓
<b>Upton</b> Upton Lane, The Wheatsheaf pub		1735	1805	1835	1905	-	1938	2008	2048	2148	2248	2348
<b>Bache</b> Liverpool Road, Mill Lane		1739	1809	1839	1909	-	1941	2011	2051	2151	2251	2351
<b>Chester</b> Bus Interchange		1745	1815	1845	1915	-	1946	2016	2056	2156	2256	2356
<b>Chester</b> Railway Station		1749	1819	1849	1919	-	-	-	-	-	-	-

Additional Saturday evening journeys operate between Liverpool and Rock Ferry:

<b>Liverpool</b> Sir Thomas Street	1915	2010	2110	2340
<b>Birkenhead Bus Station</b>	1925	2020	2120	2350
<b>Rock Ferry</b> Stagecoach Bus Depot	1932	2027	2127	2357

**1****Liverpool - Ellesmere Port - Cheshire Oaks - Chester****Stagecoach****Sundays and bank holidays**

<b>Liverpool</b> Sir Thomas Street	-	-	0914		<b>14</b>	1614	1714	1814	1844	1940	2040	2140	
<b>Birkenhead Bus Station</b>	-	0824	0924		<b>24</b>	1624	1724	1824	1854	1950	2050	2150	
<b>Rock Ferry</b> Stagecoach Bus Depot	0731	0831	0931		<b>31</b>	1631	1731	1831	1901	1957	2057	2157	
<b>New Ferry</b> Toll Bar	0734	0834	0934		<b>34</b>	1634	1734	1834	1903	1959	2059	2159	
<b>Bromborough Cross</b>	0743	0843	0943	<b>then at these mins past each hour</b>	<b>43</b>	1643	1743	1843	1911	2007	2107	2207	
<b>Eastham</b> Bridle Road	0748	0848	0948		<b>48</b>	1648	1748	1848	1916	2012	2112	2212	
<b>Little Sutton</b> Chester Road, Red Lion Lane	0755	0855	0955		<b>55</b>	1655	1755	1855	1922	2018	2118	2218	
<b>Great Sutton</b> The Bulls Head	0758	0858	0958		<b>58</b>	1658	1758	1858	1924	2020	2120	2220	
<b>Ellesmere Port Bus Station</b>	0805	0905	1005		<b>05</b>	1705	1805	1905	1930	2026	2126	2226	
<b>Cheshire Oaks</b>	0813	0913	1013		<b>13</b>	1713	1813	1913	1938	2034	2134	2234	
<b>Blue Planet Aquarium</b>	0815	0915	1015		<b>15</b>	1715	1815	1915	1940	2036	2136	2236	
<b>Chester Zoo</b>	↓	↓	1025		<b>25</b>	1725	↓	↓	↓	↓	↓	↓	↓
<b>Upton</b> Upton Lane, The Wheatsheaf pub	0825	0925	1028		<b>28</b>	1728	1825	1925	1950	2046	2146	2246	
<b>Bache</b> Liverpool Road, Mill Lane	0829	0929	1032		<b>32</b>	1732	1829	1929	1953	2049	2149	2249	
<b>Chester</b> Bus Interchange	0835	0935	1038	<b>38</b>	1738	1935	1935	1958	2054	2154	2254		
<b>Chester</b> Railway Station	0839	0939	1042	<b>42</b>	1742	1839	1939	-	-	-	-		

**until***continued on the next page*



## Sundays and bank holidays

<b>Liverpool</b> Sir Thomas Street	2240	2340
<b>Birkenhead Bus Station</b>	2250	2350
<b>Rock Ferry</b> Stagecoach Bus Depot	2257	2357
<b>New Ferry</b> Toll Bar	2259	-
<b>Bromborough Cross</b>	2307	-
<b>Eastham</b> Bridle Road	2312	-
<b>Little Sutton</b> Chester Road, Red Lion Lane	2318	-
<b>Great Sutton</b> The Bulls Head	2320	-
<b>Ellesmere Port Bus Station</b>	2326	-
<b>Cheshire Oaks</b>	2334	-
<b>Blue Planet Aquarium</b>	2336	-
<b>Chester Zoo</b>	↓	-
<b>Upton</b> Upton Lane, The Wheatsheaf pub	2346	-
<b>Bache</b> Liverpool Road, Mill Lane	2349	-
<b>Chester</b> Bus Interchange	2354	-
<b>Chester</b> Railway Station	-	-



# 1 Chester - Cheshire Oaks - Ellesmere Port - Liverpool






Stagecoach

## Monday to Fridays

<b>Chester</b> Railway Station		-	-	-	0609	0639	0709	0739	0809	0839	0909	0936		<b>06</b>
<b>Chester</b> Bus Interchange		-	-	-	0615	0645	0715	0745	0815	0845	0915	0942		<b>12</b>
<b>Bache</b> Countess of Chester		-	-	-	0621	0651	0721	0751	0821	0851	0921	0948		<b>18</b>
<b>Upton</b> Upton Lane, The Wheatsheaf pub		-	-	-	0624	0654	0724	0754	0824	0854	0924	0951		<b>21</b>
<b>Chester Zoo</b>		-	-	-	↓	↓	↓	↓	↓	↓	↓	0954		<b>24</b>
<b>Cheshire Oaks</b>		-	-	-	0638	0708	0738	0808	0838	0908	0938	1008	then	<b>38</b>
<b>Blue Planet Aquarium</b>		-	-	-	0640	0710	0740	0810	0840	0910	0940	1010	at	<b>40</b>
<b>Ellesmere Port Bus Station</b>		0532	0602	0628	0649	0719	0749	0819	0849	0919	0949	1019	these	<b>49</b>
<b>Great Sutton</b> The Bulls Head		0537	0607	0633	0658	0728	0758	0828	0858	0928	0958	1028	mins	<b>58</b>
<b>Little Sutton</b> Chester Road, Red Lion Lane		0540	0610	0636	0704	0734	0804	0834	0904	0934	1004	1034	past	<b>04</b>
<b>Eastham</b> Bridle Road		0546	0616	0642	0711	0741	0811	0841	0911	0941	1011	1041	each	<b>11</b>
<b>Bromborough Cross</b>		0551	0621	0647	0717	0747	0817	0847	0917	0947	1017	1047	hour	<b>17</b>
<b>New Ferry</b> Toll Bar		0559	0629	0655	0728	0758	0828	0858	0928	0958	1028	1058		<b>28</b>
<b>Rock Ferry</b> Stagecoach Bus Depot		0601	0631	0657	0732	0802	0832	0902	0932	1002	1032	1102		<b>32</b>
<b>Birkenhead Bus Station</b>		0608	0638	0708	0743	0813	0843	0913	0943	1013	1043	1113		<b>43</b>
<b>Liverpool</b> Whitechapel		0616	0646	0716	0751	0821	0851	0921	0951	1021	1051	1121		<b>51</b>

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## Mondays to Fridays

<b>Chester</b> Railway Station 	<b>36</b>	until	1636	1709	1739	1809	1839	1909	1939	-	-	-	-
<b>Chester</b> Bus Interchange 	<b>42</b>		1642	1715	1745	1815	1845	1915	1945	2015	2115	2215	2315
<b>Bache</b> Countess of Chester	<b>48</b>		1648	1721	1751	1821	1851	1921	1951	2021	2121	2221	2321
<b>Upton</b> Upton Lane, The Wheatsheaf pub	<b>51</b>		1651	1724	1754	1824	1854	1924	1954	2024	2124	2224	2324
<b>Chester Zoo</b>	<b>54</b>		1654	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
<b>Cheshire Oaks</b> 	<b>08</b>		1708	1738	1808	1838	1908	1938	2008	2038	2138	2238	2338
<b>Blue Planet Aquarium</b>	<b>10</b>		1710	1740	1810	1840	1910	1940	2010	2040	2140	2240	2340
<b>Ellesmere Port Bus Station</b> 	<b>19</b>		1719	1749	1819	1849	1919	1949	2019	2049	2149	2249	2349
<b>Great Sutton</b> The Bulls Head	<b>28</b>		1728	1758	1828	1854	1924	1954	2024	2054	2154	2254	2354
<b>Little Sutton</b> Chester Road, Red Lion Lane	<b>34</b>		1734	1804	1834	1857	1927	1957	2027	2057	2157	2257	2357
<b>Eastham</b> Bridle Road	<b>41</b>		1741	1811	1841	1903	1933	2003	2033	2103	2203	2303	0003
<b>Bromborough Cross</b>	<b>47</b>		1747	1817	1847	1908	1938	2008	2038	2108	2208	2308	0008
<b>New Ferry</b> Toll Bar	<b>58</b>		1758	1828	1858	1916	1946	2016	2046	2116	2216	2316	0016
<b>Rock Ferry</b> Stagecoach Bus Depot	<b>02</b>		1802	1832	1902	1918	1948	2018	2048	2118	2218	2318	0018
<b>Birkenhead Bus Station</b> 	<b>13</b>	1813	1843	1913	1925	1955	2025	2055	2125	2225	2325	0025	
<b>Liverpool</b> Whitechapel	<b>21</b>	1821	1851	1921	1933	2003	2033	2103	2133	2233	2333	-	



# 1 Chester - Cheshire Oaks - Ellesmere Port - Liverpool






## Stagecoach

### Saturdays

<b>Chester</b> Railway Station		-	-	-	-	-	0709	0739	0809	0839	0909	0936		<b>06</b>
<b>Chester</b> Bus Interchange		-	-	-	-	-	0715	0745	0815	0845	0915	0942		<b>12</b>
<b>Bache</b> Countess of Chester		-	-	-	-	-	0721	0751	0821	0851	0921	0948		<b>18</b>
<b>Upton</b> Upton Lane, The Wheatsheaf pub		-	-	-	-	-	0724	0754	0824	0854	0924	0951		<b>21</b>
<b>Chester Zoo</b>		-	-	-	-	-	↓	↓	↓	↓	↓	0954		<b>24</b>
<b>Cheshire Oaks</b>		-	-	-	-	-	0728	0808	0838	0908	0938	1008	then at these mins past each hour	<b>38</b>
<b>Blue Planet Aquarium</b>		-	-	-	-	-	0730	0810	0840	0910	0940	1010		<b>40</b>
<b>Ellesmere Port Bus Station</b>		0607	0633	0649	-	0719	0749	0819	0849	0919	0949	1019		<b>49</b>
<b>Great Sutton</b> The Bulls Head		0612	0638	0658	-	0728	0758	0828	0858	0928	0958	1028		<b>58</b>
<b>Little Sutton</b> Chester Road, Red Lion Lane		0615	0641	0704	-	0734	0804	0834	0904	0934	1004	1034		<b>04</b>
<b>Eastham</b> Bridle Road		0621	0647	0711	0726	0741	0811	0841	0911	0941	1011	1041	<b>11</b>	
<b>Bromborough Cross</b>		0626	0652	0717	0732	0747	0817	0847	0917	0947	1017	1047	<b>17</b>	
<b>New Ferry</b> Toll Bar		0634	0700	0728	0743	0758	0828	0858	0928	0958	1028	1058	<b>28</b>	
<b>Rock Ferry</b> Stagecoach Bus Depot		0636	0702	0732	0747	0802	0832	0902	0932	1002	1032	1102	<b>32</b>	
<b>Birkenhead Bus Station</b>		0643	0713	0743	0758	0813	0843	0913	0943	1013	1043	1113	<b>43</b>	
<b>Liverpool</b> Whitechapel		0651	0721	0751	0806	0821	0851	0921	0951	1021	1051	1121	<b>51</b>	

*continued on the next page*

# Saturdays

<b>Chester</b> Railway Station 	<b>36</b>	until	1636	1709	1739	1809	1839	1909	1939	-	-	-	-
<b>Chester</b> Bus Interchange 	<b>42</b>		1642	1715	1745	1815	1845	1915	1945	2015	2115	2215	2315
<b>Bache</b> Countess of Chester	<b>48</b>		1648	1721	1751	1821	1851	1921	1951	2021	2121	2221	2321
<b>Upton</b> Upton Lane, The Wheatsheaf pub	<b>51</b>		1651	1724	1754	1824	1854	1924	1954	2024	2124	2224	2324
<b>Chester Zoo</b>	<b>54</b>		1654	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
<b>Cheshire Oaks</b> 	<b>08</b>		1708	1738	1808	1838	1908	1938	2008	2038	2138	2238	2338
<b>Blue Planet Aquarium</b>	<b>10</b>		1710	1740	1810	1840	1910	1940	2010	2040	2140	2240	2340
<b>Ellesmere Port Bus Station</b> 	<b>19</b>		1719	1749	1819	1849	1919	1949	2019	2049	2149	2249	2349
<b>Great Sutton</b> The Bulls Head	<b>28</b>		1728	1758	1828	1854	1924	1954	2024	2054	2154	2254	2354
<b>Little Sutton</b> Chester Road, Red Lion Lane	<b>34</b>		1734	1804	1834	1857	1927	1957	2027	2057	2157	2257	2357
<b>Eastham</b> Bridle Road	<b>41</b>		1741	1811	1841	1903	1933	2003	2033	2103	2203	2303	0003
<b>Bromborough Cross</b>	<b>47</b>		1747	1817	1847	1908	1938	2008	2038	2108	2208	2308	0008
<b>New Ferry</b> Toll Bar	<b>58</b>		1758	1828	1858	1916	1946	2016	2046	2116	2216	2316	0016
<b>Rock Ferry</b> Stagecoach Bus Depot	<b>02</b>		1802	1832	1902	1918	1948	2018	2048	2118	2218	2318	0018
<b>Birkenhead Bus Station</b> 	<b>13</b>	1813	1843	1913	1925	1955	2025	2055	2125	2225	2325	0025	
<b>Liverpool</b> Whitechapel	<b>21</b>	1821	1851	1921	1933	2003	2033	2103	2133	2233	2333	-	



# 1 Chester - Cheshire Oaks - Ellesmere Port - Liverpool






## Stagecoach

### Sundays

<b>Chester</b> Railway Station		-	-	0806	0906	1003		<b>03</b>		1703	1806	1909	-	-
<b>Chester</b> Bus Interchange		-	-	0812	0912	1009		<b>09</b>		1709	1812	1915	2015	2115
<b>Bache</b> Countess of Chester		-	-	0818	0918	1015		<b>15</b>		1715	1818	1921	2021	2121
<b>Upton</b> Upton Lane, The Wheatsheaf pub		-	-	0821	0921	1018		<b>18</b>		1718	1821	1924	2024	2124
<b>Chester Zoo</b>		-	-	↓	↓	1021		<b>21</b>		1721	↓	↓	↓	↓
<b>Cheshire Oaks</b>		-	-	0834	0934	1034	then at these mins past each hour	<b>34</b>	until	1734	1834	1937	2037	2137
<b>Blue Planet Aquarium</b>		-	-	0836	0936	1036		<b>36</b>		1736	1836	1939	2039	2139
<b>Ellesmere Port Bus Station</b>		-	-	0843	0943	1043		<b>43</b>		1743	1843	1946	2046	2146
<b>Great Sutton</b> The Bulls Head		-	-	0849	0949	1049		<b>49</b>		1749	1849	1951	2051	2151
<b>Little Sutton</b> Chester Road, Red Lion Lane		-	-	0853	0953	1053		<b>53</b>		1753	1953	1954	2054	2154
<b>Eastham</b> Bridle Road		0800	0830	0900	1000	1100	<b>00</b>	1800	1900	2000	2100	2200		
<b>Bromborough Cross</b>		0805	0835	0905	1005	1105	<b>05</b>	1805	1905	2005	2105	2205		
<b>New Ferry</b> Toll Bar		0814	0844	0914	1014	1114	<b>14</b>	1814	1914	2013	2113	2213		
<b>Rock Ferry</b> Stagecoach Bus Depot		0817	0847	0917	1017	1117	<b>17</b>	1817	1917	2015	2115	2215		
<b>Birkenhead Bus Station</b>		0825	0855	0925	1025	1125	<b>25</b>	1825	1925	2022	2122	2222		
<b>Liverpool</b> Whitechapel		0833	0903	0933	1033	1133	<b>33</b>	1833	1933	2030	2130	2230		

continued on the next page

## Sundays

<b>Chester</b> Railway Station		-	-
<b>Chester</b> Bus Interchange		2215	2315
<b>Bache</b> Countess of Chester		2221	2321
<b>Upton</b> Upton Lane, The Wheatsheaf pub		2224	2324
<b>Chester Zoo</b>		↓	↓
<b>Cheshire Oaks</b>		2237	2337
<b>Blue Planet Aquarium</b>		2239	2339
<b>Ellesmere Port Bus Station</b>		2246	2346
<b>Great Sutton</b> The Bulls Head		2251	2351
<b>Little Sutton</b> Chester Road, Red Lion Lane		2254	2354
<b>Eastham</b> Bridle Road		2300	0000
<b>Bromborough Cross</b>		2305	0005
<b>New Ferry</b> Toll Bar		2313	0013
<b>Rock Ferry</b> Stagecoach Bus Depot		2315	0015
<b>Birkenhead Bus Station</b>		2322	0022
<b>Liverpool</b> Whitechapel		2330	-



# X1 Liverpool - Ellesmere Port - Cheshire Oaks - Chester

## Stagecoach

### Mondays to Fridays

<b>Liverpool</b> Sir Thomas Street	-	-	-	-	0630	0700	0730	0800	0830		<b>00</b>	<b>30</b>	
<b>Birkenhead Bus Station</b>	-	0520	0550	0620	0642	0712	0742	0812	0842		<b>12</b>	<b>42</b>	
<b>Rock Ferry</b> Stagecoach Bus Depot	0457	0527	0557	0627	0653	0723	0753	0823	0853		<b>23</b>	<b>53</b>	
<b>Bromborough Cross</b>	0507	0537	0607	0637	0706	0736	0806	0836	0906		<b>36</b>	<b>06</b>	
<b>Eastham</b> Bridle Road	0512	0542	0612	0642	0711	0741	0811	0841	0911	then at these mins past each hour	<b>41</b>	<b>11</b>	until
<b>Little Sutton</b> Chester Road, Red Lion Lane	0518	0548	0618	0648	0718	0748	0818	0848	0918		<b>48</b>	<b>18</b>	
<b>Overpool</b> Thornleigh Drive	0522	0552	0622	0652	0722	0752	0822	0852	0922		<b>52</b>	<b>22</b>	
<b>Whitby</b> The Boulevard	0526	0556	0626	0656	0726	0756	0826	0856	0926		<b>56</b>	<b>26</b>	
<b>Ellesmere Port Bus Station</b>	0532	0602	0632	0702	0732	0802	0832	0902	0932		<b>02</b>	<b>32</b>	
<b>Cheshire Oaks</b>	0541	0611	0641	0711	0741	0811	0841	0911	0941		<b>11</b>	<b>41</b>	
<b>Blue Planet Aquarium</b>	0543	0613	0643	0713	0743	0813	0843	0913	0943		<b>13</b>	<b>43</b>	
<b>Chester Zoo</b>	↓	↓	↓	↓	↓	↓	↓	↓	0954		<b>24</b>	<b>54</b>	
<b>Chester</b> Railway Station	0604	0634	0704	0734	0804	0834	0904	0934	1007		<b>37</b>	<b>07</b>	
<b>Chester</b> Bus Interchange	0609	0639	0709	0739	0809	0839	0909	0939	1012		<b>42</b>	<b>12</b>	
<hr/>													
<b>Liverpool</b> Sir Thomas Street	1600	1630	1700	1730	1800								
<b>Birkenhead Bus Station</b>	1612	1642	1712	1742	1812								
<b>Bromborough Cross</b>	1636	1706	1736	1806	1836								
<b>Eastham</b> Bridle Road	1641	1711	1741	1811	1841								
<b>Little Sutton</b> Chester Road, Red Lion Lane	1648	1718	1748	1818	1848								
<b>Overpool</b> Thornleigh Drive	1652	1722	1752	1822	1852								
<b>Whitby</b> The Boulevard	1656	1726	1756	1826	1856								
<b>Ellesmere Port Bus Station</b>	1702	1732	1802	1832	1902								
<b>Cheshire Oaks</b>	1711	1741	1811	1841	1911								
<b>Blue Planet Aquarium</b>	1713	1743	1813	1843	1913								
<b>Chester Zoo</b>	1724	↓	↓	↓	↓								
<b>Chester</b> Railway Station	1737	1804	1834	1904	1934								
<b>Chester</b> Bus Interchange	1742	1809	1839	1909	1939								





# X1 Liverpool - Ellesmere Port - Cheshire Oaks - Chester

## Stagecoach

### Saturdays

<b>Liverpool</b> Sir Thomas Street	-	-	-	-	0700	0730	0800	0830		<b>00</b>	<b>30</b>	1600
<b>Birkenhead Bus Station</b>	-	-	-	0642	0712	0742	0812	0842		<b>12</b>	<b>42</b>	1612
<b>Rock Ferry</b> Stagecoach Bus Depot	0527	0557	0627	0653	0723	0753	0823	0853		<b>23</b>	<b>53</b>	1623
<b>Bromborough Cross</b>	0537	0607	0637	0706	0736	0806	0836	0906		<b>36</b>	<b>06</b>	1636
<b>Eastham</b> Bridle Road	0542	0612	0642	0711	0741	0811	0841	0911	then at these mins past each hour	<b>41</b>	<b>11</b>	1641
<b>Little Sutton</b> Chester Road, Red Lion Lane	0548	0618	0648	0718	0748	0818	0848	0918		<b>48</b>	<b>18</b>	1648
<b>Overpool</b> Thornleigh Drive	0552	0622	0652	0722	0752	0822	0852	0922		<b>52</b>	<b>22</b>	1652
<b>Whitby</b> The Boulevard	0556	0626	0656	0726	0756	0826	0856	0926		<b>56</b>	<b>26</b>	1656
<b>Ellesmere Port Bus Station</b>	0602	0632	0702	0732	0802	0832	0902	0932		<b>02</b>	<b>32</b>	1702
<b>Cheshire Oaks</b>	0611	0641	0711	0741	0811	0841	0911	0941		<b>11</b>	<b>41</b>	1711
<b>Blue Planet Aquarium</b>	0613	0643	0713	0743	0813	0843	0913	0943		<b>13</b>	<b>43</b>	1713
<b>Chester Zoo</b>	↓	↓	↓	↓	↓	↓	↓	0954		<b>24</b>	<b>54</b>	1724
<b>Chester</b> Railway Station	0634	0704	0734	0804	0834	0904	0934	1007		<b>37</b>	<b>07</b>	1737
<b>Chester</b> Bus Interchange	0639	0709	0739	0809	0839	0909	0939	1012		<b>42</b>	<b>12</b>	1742
until												
<b>Liverpool</b> Sir Thomas Street	1630	1700	1730	1800								
<b>Birkenhead Bus Station</b>	1642	1712	1742	1812								
<b>Bromborough Cross</b>	1706	1736	1806	1836								
<b>Eastham</b> Bridle Road	1711	1741	1811	1841								
<b>Little Sutton</b> Chester Road, Red Lion Lane	1718	1748	1818	1848								
<b>Overpool</b> Thornleigh Drive	1722	1752	1822	1852								
<b>Whitby</b> The Boulevard	1726	1756	1826	1856								
<b>Ellesmere Port Bus Station</b>	1732	1802	1832	1902								
<b>Cheshire Oaks</b>	1741	1811	1841	1911								
<b>Blue Planet Aquarium</b>	1743	1813	1843	1913								
<b>Chester Zoo</b>	↓	↓	↓	↓								
<b>Chester</b> Railway Station	1804	1834	1904	1934								
<b>Chester</b> Bus Interchange	1809	1839	1909	1939								



# X1 Liverpool - Ellesmere Port - Cheshire Oaks - Chester

## Stagecoach

### Sundays

<b>Liverpool</b> Sir Thomas Street	-	0844		<b>44</b>		1544	1644	1744
<b>Birkenhead Bus Station</b>		0754	0854		<b>54</b>	1554	1654	1754
<b>Rock Ferry</b> Stagecoach Bus Depot		0801	0901		<b>01</b>	1601	1701	1801
<b>Bromborough Cross</b>		0813	0913	<b>then at these mins past each hour</b>	<b>13</b>	1613	1713	1813
<b>Eastham</b> Bridle Road		0818	0918		<b>18</b>	1618	1718	1818
<b>Little Sutton</b> Chester Road, Red Lion Lane		0825	0925		<b>25</b>	1625	1725	1825
<b>Overpool</b> Thornleigh Drive		0829	0929		<b>29</b>	1629	1729	1829
<b>Whitby</b> The Boulevard		0833	0933		<b>33</b>	1633	1733	1833
<b>Ellesmere Port Bus Station</b>		0839	0939		<b>39</b>	1639	1739	1839
<b>Cheshire Oaks</b>		0847	0947		<b>47</b>	1647	1747	1847
<b>Blue Planet Aquarium</b>		0849	0949	<b>49</b>	1649	1749	1849	
<b>Chester Zoo</b>		↓	0959	<b>59</b>	1659	↓	↓	
<b>Chester</b> Railway Station		0909	1012	<b>12</b>	1712	1809	1909	
<b>Chester</b> Bus Interchange		0914	1017	<b>17</b>	1717	1814	1914	



# X1 Chester - Cheshire Oaks - Ellesmere Port - Liverpool

## Stagecoach

### Mondays to Fridays

<b>Chester Bus Interchange</b>		0555	0625	0655	0725	0755	0825	0855	0922	0952		<b>22</b>	<b>52</b>		1652
<b>Chester Railway Station</b>		0601	0631	0701	0731	0801	0831	0901	0928	0958		<b>28</b>	<b>58</b>		1658
<b>Chester Zoo</b>		↓	↓	↓	↓	↓	↓	↓	0942	1012		<b>42</b>	<b>12</b>		1712
<b>Cheshire Oaks</b>		0625	0655	0725	0755	0825	0855	0925	0955	1025	<b>then</b>	<b>55</b>	<b>25</b>		1725
<b>Blue Planet Aquarium</b>		0627	0657	0727	0757	0827	0857	0927	0957	1027	<b>at</b>	<b>57</b>	<b>27</b>		1727
<b>Ellesmere Port Bus Station</b>		0636	0706	0736	0806	0836	0906	0936	1006	1036	<b>these</b>	<b>06</b>	<b>36</b>		1736
<b>Whitby Pooltown Road</b>		0640	0710	0740	0810	0840	0910	0940	1010	1040	<b>mins</b>	<b>10</b>	<b>40</b>	<b>until</b>	1740
<b>Overpool Naylor Court</b>		0643	0713	0743	0813	0843	0913	0943	1013	1043	<b>past</b>	<b>13</b>	<b>43</b>		1743
<b>Little Sutton Chester Road, Red Lion Lane</b>		0649	0719	0749	0819	0849	0919	0949	1019	1049	<b>each</b>	<b>19</b>	<b>49</b>		1749
<b>Eastham Bridle Road</b>		0656	0726	0756	0826	0856	0926	0956	1026	1056	<b>hour</b>	<b>26</b>	<b>56</b>		1756
<b>Bromborough Cross</b>		0702	0732	0802	0832	0902	0932	1002	1032	1102		<b>32</b>	<b>02</b>		1802
<b>Birkenhead Bus Station</b>		0728	0758	0828	0858	0928	0958	1028	1058	1128		<b>58</b>	<b>28</b>		1828
<b>Liverpool Sir Thomas Street</b>		0736	0806	0836	0906	0936	1006	1036	1106	1136		<b>06</b>	<b>36</b>		1836

<b>Chester Bus Interchange</b>		1725	1753	1823	1853	1918	1948
<b>Chester Railway Station</b>		1731	1759	1829	1859	1924	1954
<b>Chester Zoo</b>		↓	↓	↓	↓	↓	↓
<b>Cheshire Oaks</b>		1755	1823	1853	1923	1948	2018
<b>Blue Planet Aquarium</b>		1757	1825	1855	1925	1950	2020
<b>Ellesmere Port Bus Station</b>		1806	1834	1904	1934	1959	2029
<b>Whitby Pooltown Road</b>		1810	1838	1908	1938	2003	2033
<b>Overpool Naylor Court</b>		1813	1841	1911	1941	2006	2036
<b>Little Sutton Chester Road, Red Lion Lane</b>		1819	1847	1917	1947	2012	2042
<b>Eastham Bridle Road</b>		1826	1853	1923	1953	2018	2048
<b>Bromborough Cross</b>		1832	1858	1928	1958	2023	2053
<b>Birkenhead Bus Station</b>		1858	1908A	1938A	2008A	2033A	2103A
<b>Liverpool Sir Thomas Street</b>		1906	-	-	-	-	-

#### Code:

**A** - Time shown is at Rock Ferry, Stagecoach Bus Depot



# X1 Chester - Cheshire Oaks - Ellesmere Port - Liverpool

## Stagecoach

### Saturdays

<b>Chester</b> Bus Interchange		0655	0725	0755	0825	0855	0922	0952		<b>22</b>	<b>52</b>		1652	1725	1753
<b>Chester</b> Railway Station		0701	0731	0801	0831	0901	0928	0958		<b>28</b>	<b>58</b>		1658	1731	1759
<b>Chester Zoo</b>		↓	↓	↓	↓	↓	0942	1012		<b>42</b>	<b>12</b>		1712	↓	↓
<b>Cheshire Oaks</b>		0725	0755	0825	0855	0925	0955	1025	<b>then</b>	<b>55</b>	<b>25</b>		1725	1755	1823
<b>Blue Planet Aquarium</b>		0727	0757	0827	0857	0927	0957	1027	<b>at</b>	<b>57</b>	<b>27</b>		1727	1757	1825
<b>Ellesmere Port Bus Station</b>		0736	0806	0836	0906	0936	1006	1036	<b>these</b>	<b>06</b>	<b>36</b>		1736	1806	1834
<b>Whitby</b> Pooltown Road		0740	0810	0840	0910	0940	1010	1040	<b>mins</b>	<b>10</b>	<b>40</b>	<b>until</b>	1740	1810	1838
<b>Overpool</b> Naylor Court		0743	0813	0843	0913	0943	1013	1043	<b>past</b>	<b>13</b>	<b>43</b>		1743	1813	1841
<b>Little Sutton</b> Chester Road, Red Lion Lane		0749	0819	0849	0919	0949	1019	1049	<b>each</b>	<b>19</b>	<b>49</b>		1749	1819	1847
<b>Eastham</b> Bridle Road		0756	0826	0856	0926	0956	1026	1056	<b>hour</b>	<b>26</b>	<b>56</b>		1756	1826	1853
<b>Bromborough Cross</b>		0802	0832	0902	0932	1002	1032	1102		<b>32</b>	<b>02</b>		1802	1832	1858
<b>Birkenhead Bus Station</b>		0828	0858	0928	0958	1028	1058	1128		<b>58</b>	<b>28</b>		1828	1858	1908A
<b>Liverpool</b> Sir Thomas Street		0836	0906	0936	1006	1036	1106	1136		<b>06</b>	<b>36</b>		1836	1906	-

<b>Chester</b> Bus Interchange		1823	1853	1918	1948
<b>Chester</b> Railway Station		1829	1859	1924	1954
<b>Chester Zoo</b>		↓	↓	↓	↓
<b>Cheshire Oaks</b>		1853	1923	1948	2018
<b>Blue Planet Aquarium</b>		1855	1925	1950	2020
<b>Ellesmere Port Bus Station</b>		1904	1934	1959	2029
<b>Whitby</b> Pooltown Road		1908	1938	2003	2033
<b>Overpool</b> Naylor Court		1911	1941	2006	2036
<b>Little Sutton</b> Chester Road, Red Lion Lane		1917	1947	2012	2042
<b>Eastham</b> Bridle Road		1923	1953	2018	2048
<b>Bromborough Cross</b>		1928	1958	2023	2053
<b>Birkenhead Bus Station</b>		1938A	2008A	2033A	2103A
<b>Liverpool</b> Sir Thomas Street		-	-	-	-

#### Code:

A - Time shown is at Rock Ferry, Stagecoach Bus Depot



# X1 Chester - Cheshire Oaks - Ellesmere Port - Liverpool

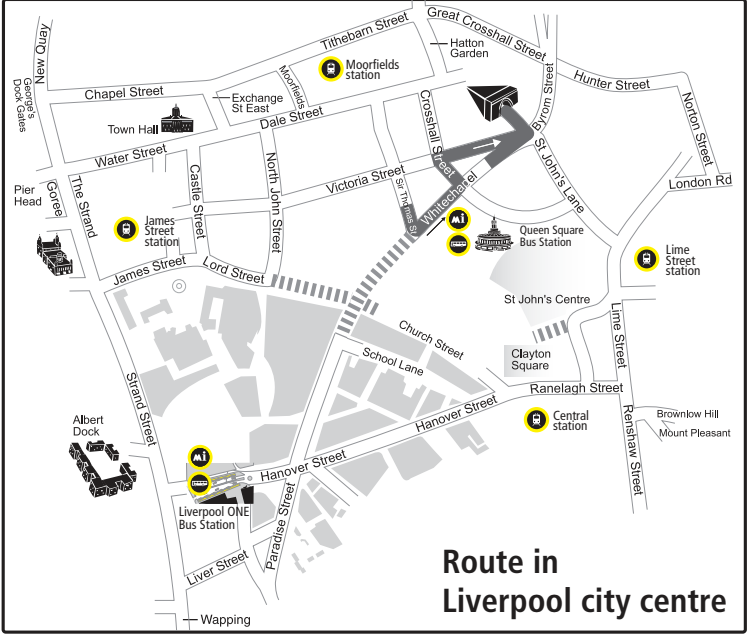
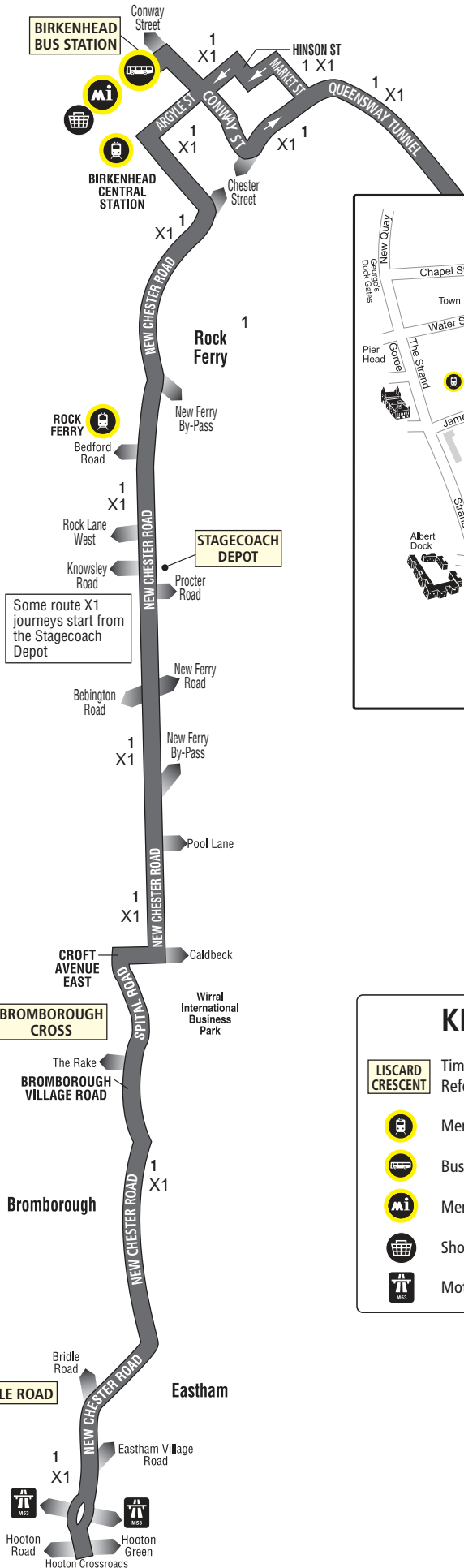
## Stagecoach

### Sundays

<b>Chester</b> Bus Interchange		0833	0930		<b>30</b>		1630	1733	1833	1934
<b>Chester</b> Railway Station		0839	0936		<b>36</b>		1636	1739	1839	1940
<b>Chester Zoo</b>		↓	0949		<b>49</b>		1649	↓	↓	↓
<b>Cheshire Oaks</b>		0902	1002	<b>then</b>	<b>02</b>		1702	1802	1902	2003
<b>Blue Planet Aquarium</b>		0904	1004	<b>at</b>	<b>04</b>		1704	1804	1904	2005
<b>Ellesmere Port Bus Station</b>		0911	1011	<b>these</b>	<b>11</b>		1711	1811	1911	2012
<b>Whitby</b> Pooltown Road		0915	1015	<b>mins</b>	<b>15</b>	<b>until</b>	1715	1815	1915	2016
<b>Overpool</b> Naylor Court		0918	1018	<b>past</b>	<b>18</b>		1718	1818	1918	2019
<b>Little Sutton</b> Chester Road, Red Lion Lane		0923	1023	<b>each</b>	<b>23</b>		1723	1823	1923	2024
<b>Eastham</b> Bridle Road		0930	1030	<b>hour</b>	<b>30</b>		1730	1830	1930	2030
<b>Bromborough Cross</b>		0935	1035		<b>35</b>		1735	1835	1935	2035
<b>Birkenhead Bus Station</b>		0955	1055		<b>55</b>		1755	1855	1947A	2045A
<b>Liverpool</b> Sir Thomas Street		1003	1103		<b>03</b>		1803	1903	-	-

#### Code:

A - Time shown is at Rock Ferry, Stagecoach Bus Depot



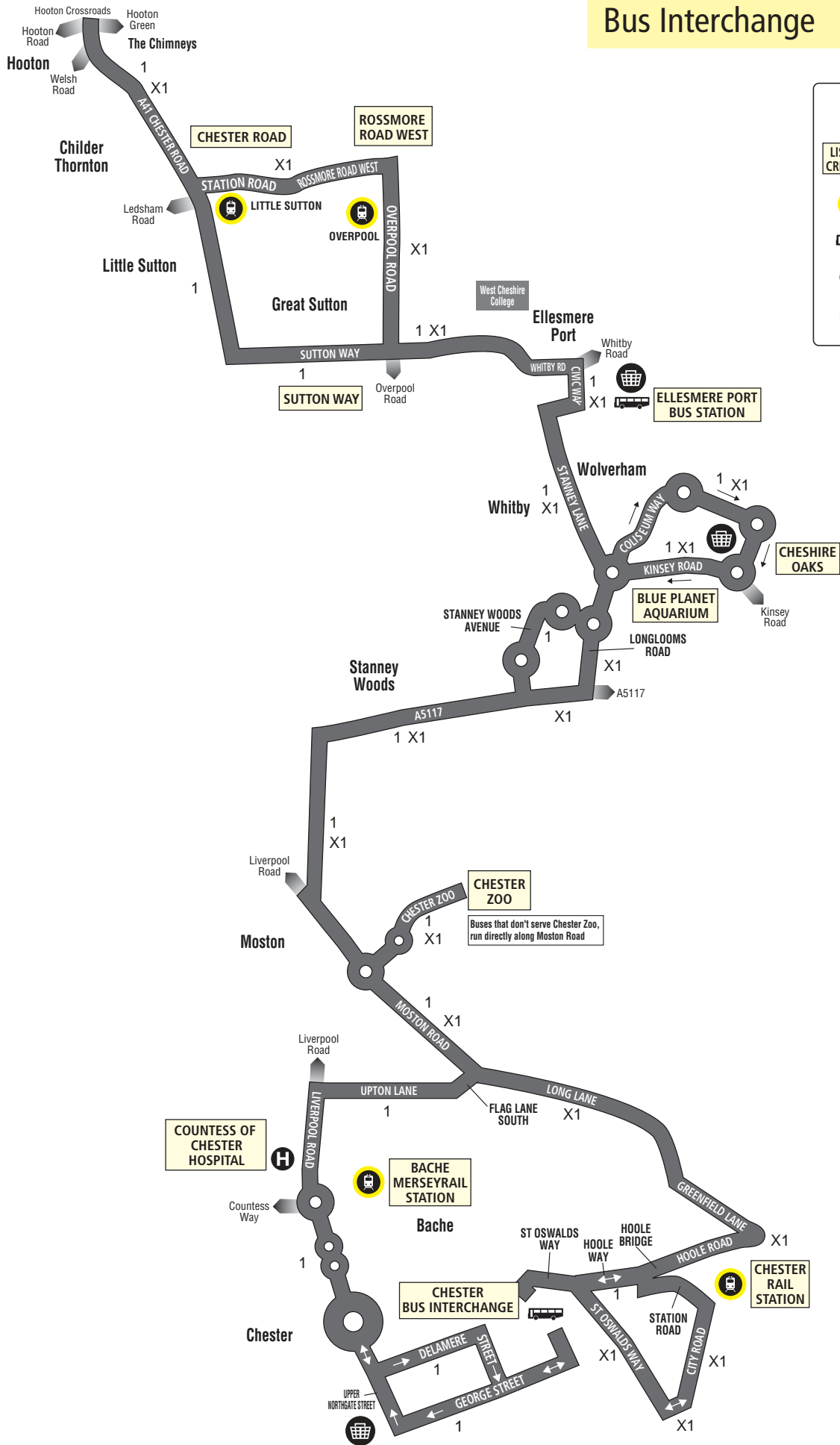
**Routes 1 and X1:  
Liverpool - Chester Rail Station/  
Bus Interchange**

**KEY**

- LISCARD CRESCENT Timetable Reference Point
- Merseyrail Station
- Bus Station
- Merseytravel Centre
- Shopping Centre
- Motorway

continues on the next page

# Routes 1 and X1: Liverpool - Chester Rail Station/ Bus Interchange



### KEY

- LISCARD** Timetable
- CRESCENT** Reference Point
- Merseyrail Station
- Bus Station (Cheshire)
- Shopping Centre
- Hospital



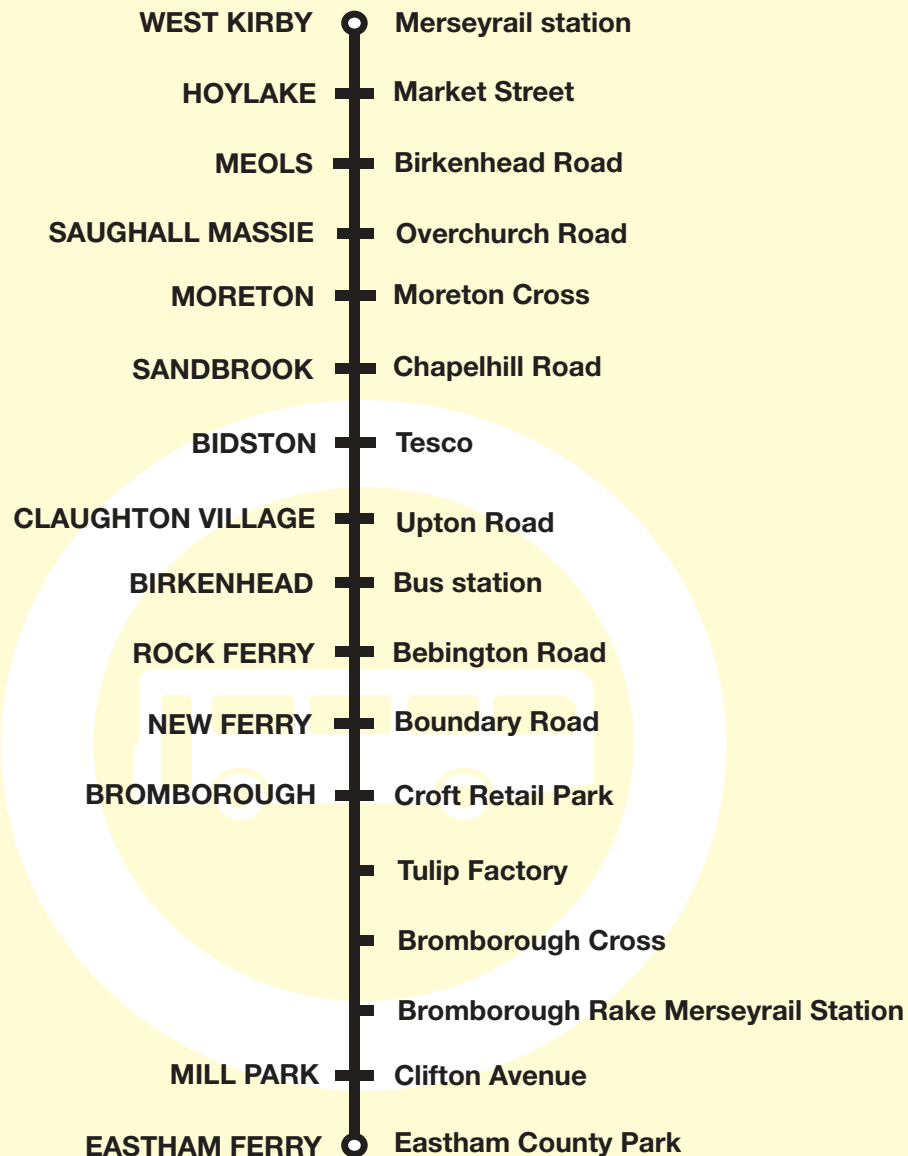
Valid from 30 August 2020

### Bus timetable

**38, 38A** West Kirby - New Ferry/Bromborough /Mill Park/Eastham Ferry

**38B** Upton - Eastham Ferry

These services are provided by Stagecoach







## What's changed?

Services return to their pre-Covid timetables.



## Any comments about this service?

If you've got any comments or suggestions about the services shown in this timetable, please contact the bus company who runs the service:

### Stagecoach Merseyside

East Lancashire Road, Gillmoss, Liverpool, L11 0BB  
0151 330 6200

or contact us at Merseytravel:

#### By e-mail

[ask@merseytravel.gov.uk](mailto:ask@merseytravel.gov.uk)

#### By phone

0151 330 1000

#### In writing

PO Box 1976, Liverpool, L69 3HN



## Need some help or more information?



For help planning your journey, call **0151 330 1000**, open 0800 - 2000, 7 days a week



You can visit one of our Travel Centres across the Merseytravel network to get information about all public transport services. To find out opening times, phone us on **0151 330 1000**.



Our website contains lots of information about public transport across Merseyside. You can visit our website at **[www.merseytravel.gov.uk](http://www.merseytravel.gov.uk)**

Bus services may run to different timetables during bank and public holidays, so please check your travel plans in advance.



## Large print timetables

We can supply this timetable in another format, such as large print.

Either call **0151 330 1000** or email us at **[ask@merseytravel.gov.uk](mailto:ask@merseytravel.gov.uk)**

**38****West Kirby - Bromborough/Mill Park/Eastham Ferry****Stagecoach****38A****West Kirby - New Ferry/Mill Park**

## Route Descriptions

**Route 38 between West Kirby and Bromborough:** from WEST KIRBY (GRANGE ROAD) via Grange Road, Meols Drive, Market Street, Birkenhead Road, Hoylake Road, Sandbrook Lane, Cherry Tree Road, Chapelhill Road, Stavordale Road, Fender Lane, Bidston By-pass, Hoylake Road, Tollemache Road, Upton Road, Park Road West, Park Road South, Claughton Road, Hemingford Street, Conway Street, Birkenhead Bus Station, Claughton Road, Exmouth Street, Whetstone Lane, Derby Road, Greenway Road, Bebington Road, Old Chester Road, Bebington Road, Boundary Road, New Chester Road, Pool Lane, South View, Dock Road South, Port Causeway, Stadium Road, Welton Road, Caldbeck Road to BROMBOROUGH CROFT RETAIL PARK (ASDA).

**Journeys to Mill Park continue from** Stadium Road via Welton Road, Caldbeck Road, Stadium Road, Plantation Road, Riverview Road, Riverwood Road, Old Hall Road, New Chester Road, Croft Avenue East, Spital Road, Bromborough Village Road, The Cross, The Rake, Mark Rake, Palatine Road, Eccleston Avenue, Beechwood Road, Acre Lane, Allport Lane, Allport Road, Plymyard Avenue, Eastham Rake, Mill Park Drive to MILL PARK (CLIFTON AVENUE).

**Journeys to Eastham Ferry continue** as above route to Plymyard Avenue then Eastham Rake, New Chester Road, Eastham Village Road, Ferry Road to EASTHAM FERRY (EASTHAM COUNTRY PARK).

**Route 38 between Eastham Ferry, Mill Park, Bromborough and West Kirby:** from EASTHAM FERRY (EASTHAM COUNTRY PARK) via Ferry Road, Eastham Village Road, New Chester Road, Eastham Rake or MILL PARK (CLIFTON AVENUE) then Mill Park Drive, Plymyard Avenue, Allport Road, Allport Lane, Acre Lane, Beechwood Road, Eccleston Avenue, Palatine Road, Mark Rake, The Rake, The Cross, Bromborough Village Road, Spital Road, Croft Avenue East, New Chester Road, Old Hall Road, Riverwood Road, Riverview Road, Plantation Road, Stadium Road, Caldbeck Road, BROMBOROUGH CROFT RETAIL PARK (ASDA), Welton Road, Stadium Road, Port Causeway, Dock Road South, South View, Pool Lane, New Chester Road, Boundary Road, Bebington Road, Old Chester Road, Bebington Road, Greenway Road, Derby Road, Whetstone Lane, Borough Road, Clifton Crescent, Argyle Street, Conway Street, Birkenhead Bus Station, Claughton Road, Park Road South, Park Road West, Upton Road, Tollemache Road, Hoylake Road, Bidston By-Pass, Fender Lane, Stavordale Road, Chapelhill Road, Cherry Tree Road, Sandbrook Lane, Glebelands Road, Upton Road, Hoylake Road, Birkenhead Road, Market Street, Meols Drive, Grange Road to WEST KIRBY (GRANGE ROAD).

**Route 38A between West Kirby and New Ferry:** from WEST KIRBY (GRANGE ROAD) via Grange Road, Meols Drive, Market Street, Birkenhead Road, Hoylake Road, Saughall Road, West Kirby Road, Saughall Massie Road (turn at turning circle at Overchurch Road), Saughall Massie Road, West Kirby Road, Saughall Road, Hoylake Road, Sandbrook Lane, Cherry Tree Road, Chapelhill Road, Stavordale Road, Hoylake Road, Fender Lane, Bidston By-pass, Hoylake Road, Tollemache Road, Upton Road, Park Road West, Park Road South, Claughton Road, Hemingford Street, Conway Street, Birkenhead Bus Station, Claughton Road, Exmouth Street, Whetstone Lane, Derby Road, Greenway Road, Bebington Road, Old Chester Road, Bebington Road, Boundary Road to NEW FERRY (BOUNDARY ROAD).

**Journeys to Mill Park continue from** Boundary Road via New Chester Road, Caldbeck Road, BROMBOROUGH CROFT RETAIL PARK, Welton Road, Caldbeck Road, Stadium Road, Plantation Road, Riverview Road, Riverwood Road, Old Hall Road, New Chester Road, Croft Avenue East, Spital Road, Bromborough Village Road, The Cross, The Rake, Mark Rake, Palatine Road, Eccleston Avenue, Beechwood Road, Acre Lane, Allport Lane, Allport Road, Plymyard Avenue, Eastham Rake, Mill Park Drive to MILL PARK (CLIFTON AVENUE).

**Route 38A between Mill Park or New Ferry and West Kirby:** from MILL PARK (CLIFTON AVENUE) via Mill Park Drive, New Chester Road, Eastham Village Road, New Chester Road, Eastham Rake, Plymyard Avenue, Allport Road, Allport Lane, Acre Lane, Beechwood Road, Eccleston Avenue, Palatine Road, Mark Rake, The Rake, The Cross, Bromborough Village Road, Spital Road, Croft Avenue East, New Chester Road, Old Hall Road, Riverwood Road, Riverview Road, Plantation Road, Stadium Road, Caldbeck Road, BROMBOROUGH CROFT RETAIL, Welton Road, Stadium Road, Port Causeway, New Chester Road, Boundary Road NEW FERRY (BOUNDARY ROAD) then Bebington Road, Old Chester Road, Bebington Road, Greenway Road, Derby Road, Whetstone Lane, Borough Road, Clifton Crescent, Argyle Street, Conway Street, Birkenhead Bus Station, Claughton Road, Park Road South, Park Road West, Upton Road, Tollemache Road, Hoylake Road, Bidston By-Pass, Fender Lane, Hoylake Road, Stavordale Road, Chapelhill Road, Cherry Tree Road, Sandbrook Lane, Glebelands Road, Upton Road, Hoylake Road, Saughall Road, West Kirby Road, Saughall Massie Road (turn at turning circle at Overchurch Road), Saughall Massie Road, West Kirby Road, Saughall Road, Hoylake Road, Birkenhead Road, Market Street, Meols Drive, Grange Road to WEST KIRBY (GRANGE ROAD)



**38, 38A  
38B**

**West Kirby -  
New Ferry/Bromborough/Mill Park/Eastham Ferry**

**Stagecoach**

**Mondays to Fridays**

	<b>38B</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>			
<b>West Kirby</b> Grange Rd, opp West Kirby station	-	-	0630	0700	0730	0805	0835	0905			<b>35</b>	<b>05</b>	1305	1335	
<b>Hoylake</b> Market Street, Hoylake Station	-	-	0635	0705	0735	0810	0840	0910			<b>40</b>	<b>10</b>	1310	1340	
<b>Meols</b> Birkenhead Road, Railway Inn Pub	-	-	0641	0710	0741	0816	0846	0916			<b>46</b>	<b>16</b>	1316	1345	
<b>Moreton Cross</b> Hoylake Road	-	-	0650	0721	0750	0827	0854	0924			<b>54</b>	<b>24</b>	1324	1353	
<b>Sandbrook</b> Chapelhill Road, Sunningdale	-	-	0655	0725	0755	0832	0859	0929	<b>then</b>		<b>59</b>	<b>29</b>	1329	1358	
<b>Bidston Station</b> Tesco Superstore	-	-	0701	0730	0801	0838	0905	0935	<b>at</b>		<b>05</b>	<b>35</b>	1335	1403	
<b>Cloughton Village</b> Upton Road	-	-	0709	0743	0809	0847	0914	0944	<b>these</b>		<b>14</b>	<b>44</b>	1344	1411	
<b>Birkenhead Bus Station</b>	0539▲	0628	0722	0755	0822	0858	0925	0955	<b>times</b>		<b>25</b>	<b>55</b>	<b>until</b>	1355	1423
<b>Rock Ferry</b> Bedford Drive		↓ 0638	0732	0808	0832	0908	0935	1005	<b>past</b>		<b>35</b>	<b>05</b>	1405	1433	
<b>New Ferry</b> Boundary Road, Circular Drive	0555	0645	0743	0821	0843	0917	0944	1014	<b>each</b>		<b>44</b>	<b>14</b>	1414	1445	
<b>Bromborough</b> Croft Retail Park, ASDA		↓ 0657	0755	0832	0858	0929	0956	1026	<b>hour</b>		<b>56</b>	<b>26</b>	1426	1456	
<b>Bromborough</b> Tulip Factory	0605	0701	0759	-	0902	-	1000	-			<b>00</b>	-	-	1501	
<b>Bromborough</b> The Cross	0610	0707	0805	-	0908	-	1006	-			<b>06</b>	-	-	1507	
Bromborough Rake Merseyrail Station	0613	0711	0809	-	0911	-	1010	-			<b>10</b>	-	-	1510	
<b>Eastham Ferry</b> Eastham Country Park	0629	0727	0825	-	0925	-	1026	-			<b>26</b>	-	-	1530	

*Continued on next page*

**Codes used on this page:**

▲ - Journey starts at Upton Station at 0510, also calling at Noctorum/Westway (0514), Bidston Road/Gerald Road (0518), Prenton Hall Road/The Dell (0525), Singleton Avenue/Borough Road (0533) and Birkenhead Central Station (0538).



**38, 38A  
38B**

**West Kirby -  
New Ferry/Bromborough/Mill Park/Eastham Ferry**

**Stagecoach**

**Mondays to Fridays**

	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38A</b>	<b>38</b>	<b>38A</b>
<b>West Kirby</b> Grange Rd, opp West Kirby station	1405	1435	1505	1535	1605	1645	1705	1736	1805	1835	1910	1940	2010	2050
<b>Hoylelake</b> Market Street, Hoylelake Station	1410	1440	1510	1540	1610	1650	1710	1741	1810	1840	1915	1945	2015	2055
<b>Meols</b> Birkenhead Road, Railway Inn Pub	1416	1446	1515	1546	1616	1656	1716	1747	1815	1845	1920	1950	2020	2100
<b>Saughall Massie</b> Overchurch Road	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	1957	↓	2107
<b>Moreton Cross</b> Hoylelake Road	1424	1454	1524	1555	1627	1707	1727	1758	1822	1852	1927	2004	2027	2114
<b>Sandbrook</b> Chapelhill Road, Sunningdale	1429	1459	1529	1600	1632	1712	1732	1803	1826	1856	1931	2008	2031	2118
<b>Bidston Station</b> Tesco Superstore	1435	1504	1534	1605	1636	1718	1738	1807	1831	1901	1936	2013	2036	2123
<b>Claughton Village</b> Upton Road	1442	1512	1542	1614	1644	1726	1746	1815	1837	1907	1942	2019	2042	2129
<b>Birkenhead Bus Station</b>	1453	1523	1553	1626	1657	1739	1758	1827	1847	1917	1952	2028	2052	2138
<b>Rock Ferry</b> Bedford Drive	1504	1534	1604	1636	1707	1749	1808	1837	1857	1927	2002	2037	2102	2147
<b>New Ferry</b> Boundary Road, Circular Drive	1514	1548	1618	1647	1716	1800	1817	1844	1904	1934	2009	2044	2109	2154
<b>Bromborough</b> Croft Retail Park, ASDA	1526	1601	1629	1701	1728	-	1829	1856	1916	-	2021	-	2121	2206
<b>Bromborough</b> Tulip Factory	-	1605	-	1706	-	-	1833	-	1920	-	2025	-	2125	2210
<b>Bromborough</b> The Cross	-	1611	-	1713	-	-	1839	-	1926	-	2031	-	2131	2216
<b>Bromborough Rake</b> Merseyrail Station	-	1614	-	1716	-	-	1843	-	1930	-	2035	-	2135	2220
<b>Eastham Ferry</b> Eastham Country Park	-	1631	-	1732	-	-	1852●	-	1939●	-	2044●	-	2144●	2229●

**38A 38A 38A**

<b>West Kirby</b> Grange Rd, opp West Kirby station	2137	2242	2342
<b>Hoylelake</b> Market Street, Hoylelake Station	2142	2247	2347
<b>Meols</b> Birkenhead Road, Railway Inn Pub	2147	2252	2352
<b>Saughall Massie</b> Overchurch Road	2154	2259	2359
<b>Moreton Cross</b> Hoylelake Road	2201	2306	0006
<b>Sandbrook</b> Chapelhill Road, Sunningdale	2205	2310	0010
<b>Bidston Station</b> Tesco Superstore	2210	2315	0015
<b>Claughton Village</b> Upton Road	2216	2321	0021
<b>Birkenhead Bus Station</b>	2225	2330	0030
<b>Rock Ferry</b> Bedford Drive	2234	2339	0039
<b>New Ferry</b> Boundary Road, Circular Drive	2241	2346	0046

**Code used on this page:**

● - Time shown is at Mill Park, Clifton Avenue.

**38, 38A****West Kirby -****Stagecoach****New Ferry/Bromborough/Mill Park/Eastham Ferry****Saturdays**

	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>		<b>38</b>	<b>38</b>		<b>38</b>	<b>38</b>
<b>West Kirby</b> Grange Rd, opp West Kirby station	-	-	0735	0805	0835	0905	0935		<b>05</b>	<b>35</b>		1535	1605
<b>Hoylake</b> Market Street, Hoylake Station	-	-	0740	0810	0840	0910	0940		<b>10</b>	<b>40</b>		1540	1610
<b>Meols</b> Birkenhead Road, Railway Inn Pub	-	-	0746	0816	0846	0916	0946		<b>16</b>	<b>46</b>		1546	1616
<b>Saughall Massie</b> Overchurch Road	-	-	↓	↓	↓	↓	↓		↓	↓		↓	↓
<b>Moreton Cross</b> Hoylake Road	-	-	0754	0824	0854	0924	0954	<b>then at these mins past each hour</b>	<b>24</b>	<b>54</b>	<b>until</b>	1554	1624
<b>Sandbrook</b> Chapelhill Rd, Sunningdale	-	-	0759	0829	0859	0929	0959		<b>29</b>	<b>59</b>		1559	1629
<b>Bidston Station</b> Tesco Superstore	-	-	0805	0835	0905	0935	1005		<b>35</b>	<b>05</b>		1605	1635
<b>Cloughton Village</b> Upton Road	-	-	0812	0842	0912	0942	1012		<b>42</b>	<b>12</b>		1612	1642
<b>Birkenhead Bus Station</b>	0622	0722	0822	0852	0922	0952	1022		<b>52</b>	<b>22</b>		1622	1652
<b>Rock Ferry</b> Bedford Drive	0632	0732	0832	0902	0932	1002	1032		<b>02</b>	<b>32</b>		1632	1702
<b>New Ferry</b> Boundary Road, Circular Drive	0639	0739	0839	0909	0939	1009	1039		<b>09</b>	<b>39</b>		1639	1709
<b>Bromborough</b> Croft Retail Park, ASDA	0651	0751	0851	0921	0951	1021	1051		<b>21</b>	<b>51</b>		1651	1721
<b>Bromborough</b> Tulip Factory	0655	0755	0855	-	0955	-	1057		<b>-</b>	<b>57</b>		1657	-
<b>Bromborough</b> The Cross	0701	0801	0901	-	1001	-	1103		<b>-</b>	<b>03</b>		1703	-
<b>Bromborough Rake</b> Merseyrail Station	0705	0805	0905	-	1005	-	1107	<b>-</b>	<b>07</b>	1707	-		
<b>Eastham Ferry</b> Eastham Country Park	0721	0821	0921	-	1021	-	1123	<b>-</b>	<b>23</b>	1723	-		

**Code used on this page:**

● - Time shown is at Mill Park, Clifton Avenue.

*Continued on next page*

**38, 38A****West Kirby -****Stagecoach****New Ferry/Bromborough/Mill Park/Eastham Ferry****Saturdays**

	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38A</b>	<b>38</b>	<b>38A</b>	<b>38A</b>	<b>38A</b>	<b>38A</b>
<b>West Kirby</b> Grange Rd, opp West Kirby station ➡	1635	1705	1735	1805	1835	1901	1931	2007	2037	2137	2237	2337
<b>Hoylake</b> Market Street, Hoylake Station ➡	1640	1710	1740	1810	1840	1906	1936	2012	2042	2142	2242	2342
<b>Meols</b> Birkenhead Road, Railway Inn Pub	1646	1716	1746	1816	1845	1911	1941	2017	2047	2147	2247	2347
<b>Saughall Massie</b> Overchurch Road	↓	↓	↓	↓	↓	↓	1948	↓	2054	2154	2254	2354
<b>Moreton Cross</b> Hoylake Road	1654	1724	1754	1824	1852	1918	1955	2024	2101	2201	2301	0001
<b>Sandbrook</b> Chapelhill Road, Sunningdale	1659	1729	1759	1829	1857	1922	1959	2028	2105	2205	2305	0005
<b>Bidston Station</b> Tesco Superstore ➡	1705	1735	1805	1835	1903	1927	2004	2033	2110	2210	2310	0010
<b>Cloughton Village</b> Upton Road	1712	1742	1812	1842	1909	1933	2010	2039	2116	2216	2316	0016
<b>Birkenhead Bus Station</b> 🚌	1722	1752	1822	1852	1919	1942	2019	2048	2125	2225	2325	0025
<b>Rock Ferry</b> Bedford Drive	1732	1802	1832	1902	1929	1951	2028	2057	2134	2234	2334	0034
<b>New Ferry</b> Boundary Road, Circular Drive	1739	1809	1839	1909	1936	1958	2035	2104	2141	2241	2341	0041
<b>Bromborough</b> Croft Retail Park, ASDA 🛒	1751	1821	1851	1921	-	2010	-	2116	2153	-	-	-
<b>Bromborough</b> Tulip Factory	1755	-	1855	-	-	2014	-	2120	2157	-	-	-
<b>Bromborough</b> The Cross	1801	-	1901	-	-	2020	-	2126	2203	-	-	-
<b>Bromborough Rake</b> Merseyrail Station ➡	1805	-	1905	-	-	2024	-	2130	2207	-	-	-
<b>Eastham Ferry</b> Eastham Country Park	1814●	-	1914●	-	-	2033●	-	2139●	2216●	-	-	-

Code used on this page:







● - Time shown is at Mill Park, Clifton Avenue.



## Sundays and bank holidays

	38	38	38A		38A	38A	38A	38A
<b>West Kirby</b> Grange Rd, opp West Kirby station	-	-	0852		<b>52</b>	2052	2152	2252
<b>Hoyleake</b> Market Street, Hoyleake Station	-	-	0857		<b>57</b>	2057	2157	2257
<b>Meols</b> Birkenhead Road, Railway Inn Pub	-	-	0902		<b>02</b>	2102	2202	2302
<b>Saughall Massie</b> Overchurch Road	-	-	0909		<b>09</b>	2109	2209	2309
<b>Moreton Cross</b> Hoyleake Road	-	-	0916		<b>16</b>	2116	2216	2316
<b>Sandbrook</b> Chapelhill Road, Sunningdale	-	-	0920		<b>20</b>	2120	2220	2320
<b>Bidston Station</b> Tesco Superstore	-	-	0925		<b>25</b>	2125	2225	2325
<b>Cloughton Village</b> Upton Road	-	-	0931		<b>31</b>	2131	2231	2331
<b>Birkenhead Bus Station</b>	0740	0840	0940	then at these mins past each hour	<b>40</b>	2140	2240	2340
<b>Rock Ferry</b> Bedford Drive	0749	0849	0949		<b>49</b>	2149	2249	2349
<b>New Ferry</b> Boundary Road, Circular Drive	0756	0856	0956		<b>56</b>	2156	2256	2356
<b>Bromborough</b> Croft Retail Park, ASDA	0808	0908	1008		<b>08</b>	2208	-	-
<b>Bromborough</b> Tulip Factory	0813	0913	1013		<b>13</b>	2213	-	-
<b>Bromborough</b> The Cross	0820	0920	1020		<b>20</b>	2220	-	-
<b>Bromborough Rake</b> Merseyrail Station	0824	0924	1024		<b>24</b>	2224	-	-
<b>Mill Park</b> Clifton Avenue	0833	0933	1033		<b>33</b>	2233	-	-

**38, 38A****Eastham Ferry/Mill Park/Bromborough - West Kirby****Stagecoach****Mondays to Fridays**

	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	
<b>Eastham Ferry</b> Eastham Country Park	-	0529	-	0631	-	0731	-	0831	-	0934			-	<b>34</b>
<b>Eastham Village</b> St David Road	-	-	-	-	-	-	-	-	-	-			-	-
<b>Bromborough Rake</b> Merseyrail Station 	-	0545	-	0647	-	0747	-	0847	-	0950			-	<b>50</b>
<b>Bromborough</b> The Cross	-	0549	-	0651	-	0751	-	0851	-	0954			-	<b>54</b>
<b>Bromborough</b> Tulip Factory	-	0554	-	0657	-	0757	-	0857	-	1000			-	<b>00</b>
<b>Bromborough</b> Croft Retail Park, ASDA 	-	0557	-	0700	-	0800	0836	0900	0933	1003	<b>then</b>		<b>33</b>	<b>03</b>
<b>New Ferry</b> Boundary Road, Circular Drive	-	0608	0648	0712	0744	0812	0848	0912	0946	1016	<b>at</b>		<b>46</b>	<b>16</b>
<b>Rock Ferry</b> Bebington Rd, Bedford Ave	-	0618	0657	0723	0755	0823	0859	0923	0955	1025	<b>these</b>		<b>55</b>	<b>25</b>
<b>Birkenhead Bus Station</b> 	0606	0631	0708	0736	0810	0837	0913	0937	1007	1037	<b>mins</b>		<b>07</b>	<b>37</b>
<b>Cloughton Village</b> Upton Road	0613	0638	0716	0744	0819	0846	0922	0946	1016	1046	<b>past</b>		<b>16</b>	<b>46</b>
<b>Bidston Station</b> Tesco Superstore 	0619	0645	0722	0751	0829	0853	0929	0953	1023	1053	<b>each</b>		<b>23</b>	<b>53</b>
<b>Sandbrook</b> Chapelhill Road, Sunningdale	0624	0651	0728	0757	0835	0859	0935	0959	1029	1059	<b>hour</b>		<b>29</b>	<b>59</b>
<b>Moreton Cross</b> Hoylake Road	0628	0656	0733	0802	0840	0904	0940	1004	1034	1104			<b>34</b>	<b>04</b>
<b>Saughall Massie</b> Overchurch Road	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓	↓
<b>Meols</b> Birkenhead Rd, Railway Inn Pub	0636	0705	0741	0811	0847	0913	0949	1013	1043	1113			<b>43</b>	<b>13</b>
<b>Hoylake</b> Market Street, Hoylake Station 	0639	0709	0744	0815	0852	0917	0953	1017	1047	1117			<b>47</b>	<b>17</b>
<b>West Kirby</b> Grange Rd, West Kirby station 	0645	0715	0751	0822	0859	0924	1000	1024	1054	1124			<b>54</b>	<b>24</b>

*Continued on next page*



**Mondays to Fridays**

	38	38	38	38	38	38	38	38	38	38A	38A	
<b>Eastham Ferry</b> Eastham Country Park	-	1334	-	1434	-	1534	-	1639	-	1739	-	1855●
<b>Eastham Village</b> St David Road	-	↓	-	↓	-	↓	-	↓	-	↓	-	1903
<b>Bromborough Rake</b> Merseyrail Station	-	1350	-	1450	-	1551	-	1655	-	1755	-	1915
<b>Bromborough</b> The Cross	-	1354	-	1454	-	1554	-	1659	-	1759	-	1919
<b>Bromborough</b> Tulip Factory	-	1400	-	1500	-	1600	-	1705	-	1805	-	1925
<b>Bromborough</b> Croft Retail Park, ASDA	1333	1403	1433	1503	1533	1605	1633	1710	-	1808	1846	1929
<b>New Ferry</b> Boundary Road, Circular Drive	1346	1416	1446	1516	1546	1616	1646	1723	1804	1820	1858	1941
<b>Rock Ferry</b> Bebington Rd, Bedford Ave	1355	1425	1455	1533	1558	1626	1656	1730	1811	1829	1907	1950
<b>Birkenhead Bus Station</b> until	1407	1440	1510	1547	1612	1638	1708	1742	1822	1840	1918	2001
<b>Cloughton Village</b> Upton Road	1416	1449	1519	1558	1622	1647	1717	1750	1829	1848	1924	2007
<b>Bidston Station</b> Tesco Superstore	1423	1456	1526	1605	1630	1655	1724	1757	1836	1855	1931	2014
<b>Sandbrook</b> Chapelhill Road, Sunningdale	1429	1502	1532	1611	1636	1702	1731	1803	1842	1900	1936	2019
<b>Moreton Cross</b> Hoylake Road	1434	1507	1537	1616	1641	1708	1737	1808	1847	1904	1940	2023
<b>Saughall Massie</b> Overchurch Road	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	1947	2030
<b>Meols</b> Birkenhead Rd, Railway Inn Pub	1443	1515	1545	1625	1649	1716	1746	1815	1854	1913	1954	2037
<b>Hoylake</b> Market Street, Hoylake Station	1447	1519	1549	1630	1654	1720	1750	1819	1858	1917	1958	2041
<b>West Kirby</b> Grange Rd, West Kirby station	1454	1525	1555	1637	1701	1725	1758	1826	1905	1924	2004	2047

Code used on this page:

● - Time shown is at Mill Park, Clifton Avenue.

Continued on next page

**Mondays to Fridays**

	<b>38A</b>	<b>38A</b>	<b>38A</b>	<b>38A</b>
<b>Eastham Ferry</b> Eastham Country Park	1942●	2047●	2147●	2230●
<b>Eastham Village</b> St David Road	1950	2055	2155	2238
Bromborough Rake Merseyrail Station ➡	2002	2107	2207	2250
<b>Bromborough</b> The Cross	2006	2111	2211	2254
<b>Bromborough</b> Tulip Factory	2012	2117	2217	2300
<b>Bromborough</b> Croft Retail Park, ASDA 🏪	2016	2121	2221	2304
<b>New Ferry</b> Boundary Road, Circular Drive	2028	2133	2233	2316
<b>Rock Ferry</b> Bebington Rd, Bedford Ave	2037	2142	2242	2325
<b>Birkenhead Bus Station</b> 🏠	2048	2153	2253	2336
<b>Cloughton Village</b> Upton Road	2054	2159	2259	2342
<b>Bidston Station</b> Tesco Superstore ➡	2101	2206	2306	2349
<b>Sandbrook</b> Chapelhill Road, Sunningdale	2106	2211	2311	2354
<b>Moreton Cross</b> Hoylake Road	2110	2215	2315	2358
<b>Saughall Massie</b> Overchurch Road	2117	2222	2322	0005
<b>Meols</b> Birkenhead Rd, Railway Inn Pub	2124	2229	2329	-
<b>Hoylake</b> Market Street, Hoylake Station ➡	2128	2233	2333	-
<b>West Kirby</b> Grange Rd, West Kirby station ➡	2134	2239	2339	-

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38, 38A

Eastham Ferry/Mill Park/Bromborough - West Kirby

Stagecoach

Saturdays







	38	38	38	38	38		38	38		38	38A	38A	38A
<b>Eastham Ferry</b> Eastham Country Park	-	0639	-	0739	-		<b>39</b>	-		1739	-	1837●	1937●
<b>Eastham Village</b> St David Road	-	-	-	-	-		-	-		-	-	1845	1945
<b>Bromborough Rake</b> Merseyrail Station	-	0655	-	0755	-		<b>55</b>	-		1755	-	1857	1957
<b>Bromborough</b> The Cross	-	0659	-	0759	-		<b>59</b>	-		1759	-	1901	2001
<b>Bromborough</b> Tulip Factory	-	0705	-	0805	-		<b>05</b>	-		1805	-	1907	2007
<b>Bromborough</b> Croft Retail Park, ASDA	-	0708	-	0808	0838	<b>then</b>	<b>08</b>	<b>38</b>		1808	1838	1911	2011
<b>New Ferry</b> Boundary Road, Circular Drive	0651	0721	0751	0821	0851	<b>at</b>	<b>21</b>	<b>51</b>		1821	1850	1923	2023
<b>Rock Ferry</b> Bebington Rd, Bedford Ave	0658	0728	0758	0828	0858	<b>these</b>	<b>28</b>	<b>58</b>		1828	1857	1930	2030
<b>Birkenhead Bus Station</b>	0709	0739	0809	0839	0909	<b>mins</b>	<b>39</b>	<b>09</b>	<b>until</b>	1839	1908	1941	2041
<b>Cloughton Village</b> Upton Road	0717	0747	0817	0847	0917	<b>past</b>	<b>47</b>	<b>17</b>		1847	1914	1947	2047
<b>Bidston Station</b> Tesco Superstore	0723	0753	0823	0854	0924	<b>each</b>	<b>54</b>	<b>24</b>		1854	1921	1954	2054
<b>Sandbrook</b> Chapelhill Road, Sunningdale	0729	0759	0829	0900	0930	<b>hour</b>	<b>00</b>	<b>30</b>		1900	1926	1959	2059
<b>Moreton Cross</b> Hoylake Road	0734	0804	0834	0905	0935		<b>05</b>	<b>35</b>		1905	1930	2003	2103
<b>Saughall Massie</b> Overchurch Road	↓	↓	↓	↓	↓		↓	↓		↓	1937	2010	2110
<b>Meols</b> Birkenhead Rd, Railway Inn Pub	0742	0812	0842	0914	0944		<b>14</b>	<b>44</b>		1914	1944	2017	2117
<b>Hoylake</b> Market Street, Hoylake Station	0747	0817	0847	0920	0950		<b>20</b>	<b>50</b>		1920	1950	2023	2123
<b>West Kirby</b> Grange Rd, West Kirby station	0754	0824	0854	0927	0957		<b>27</b>	<b>57</b>		1927	1956	2029	2129

Code used on this page:

● - Time shown is at Mill Park, Clifton Avenue.

Continued on next page

**Saturdays**

	<b>38A</b>	<b>38A</b>	<b>38A</b>
<b>Eastham Ferry</b> Eastham Country Park	2037●	2142●	2222●
<b>Eastham Village</b> St David Road	2045	2150	2230
Bromborough Rake Merseyrail Station 	2057	2202	2242
<b>Bromborough</b> The Cross	2101	2206	2246
<b>Bromborough</b> Tulip Factory	2107	2212	2252
<b>Bromborough</b> Croft Retail Park, ASDA 	2111	2216	2256
<b>New Ferry</b> Boundary Road, Circular Drive	2123	2228	2308
<b>Rock Ferry</b> Bebington Rd, Bedford Ave	2130	2235	2315
<b>Birkenhead Bus Station</b> 	2141	2246	2326
<b>Cloughton Village</b> Upton Road	2147	2252	2332
<b>Bidston Station</b> Tesco Superstore 	2154	2259	2339
<b>Sandbrook</b> Chapelhill Road, Sunningdale	2159	2304	2344
<b>Moreton Cross</b> Hoylake Road	2203	2308	2348
<b>Saughall Massie</b> Overchurch Road	2210	2315	2355
<b>Meols</b> Birkenhead Rd, Railway Inn Pub	2217	2322	-
<b>Hoylake</b> Market Street, Hoylake Station 	2223	2328	-
<b>West Kirby</b> Grange Rd, West Kirby station 	2229	2334	-

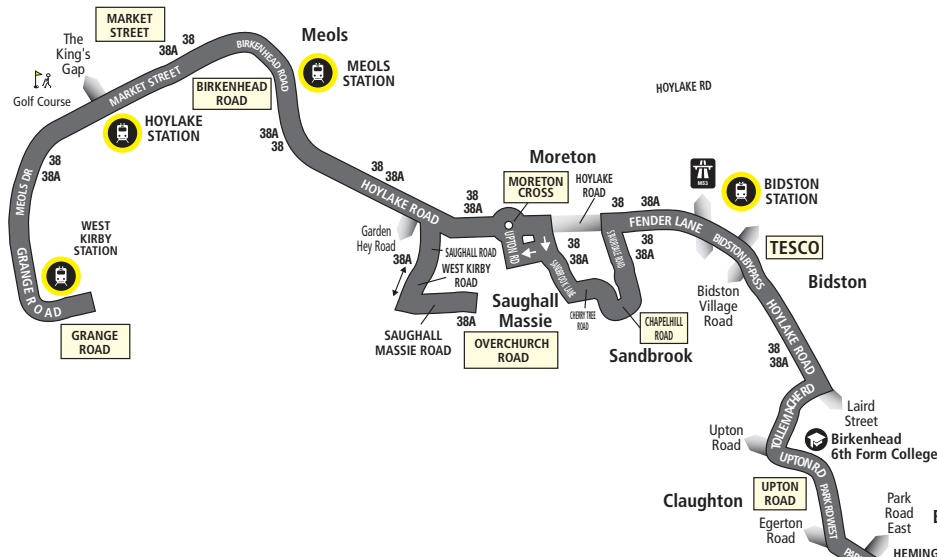
**Code used on this page:**

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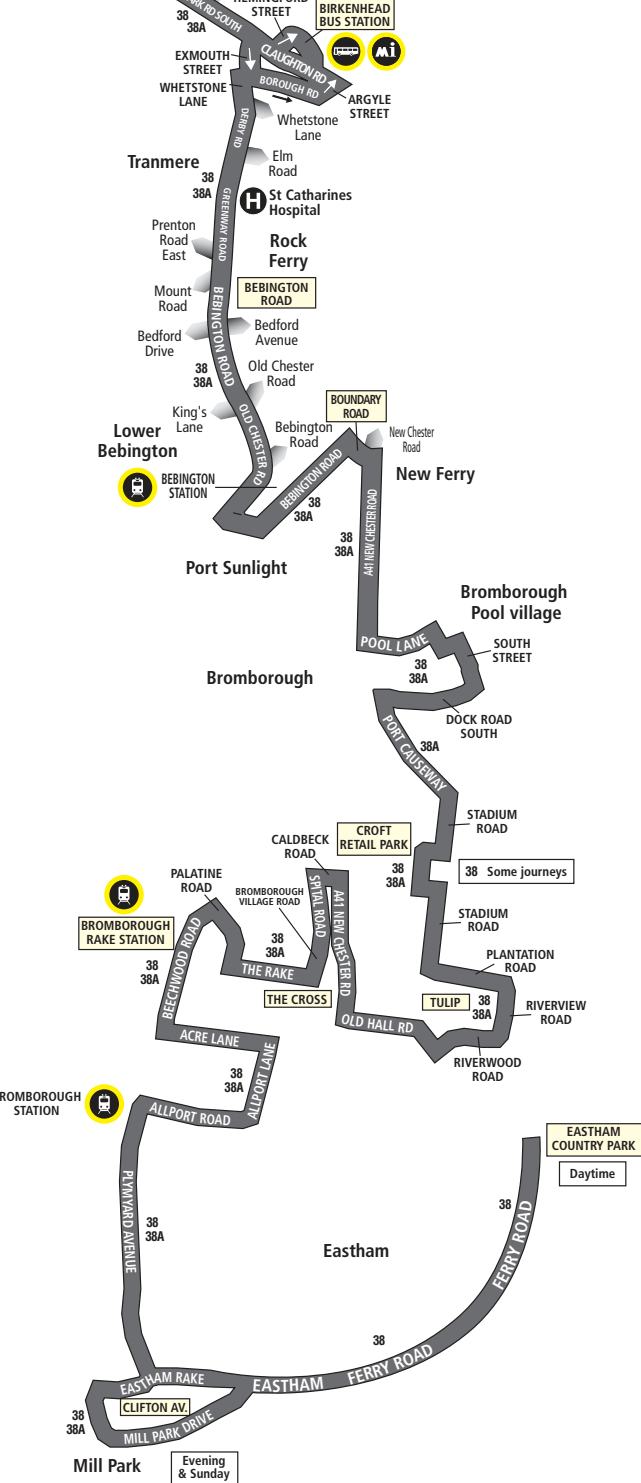
## Sundays and bank holidays

<b>Mill Park</b> Eastham Rake, Clifton Avenue	-	0735		<b>35</b>		2035	2135	2235	
<b>Eastham Village</b> St David Road	-	0743		<b>43</b>		2043	2143	2243	
<b>Bromborough Rake</b> Merseyrail Station	⇌	0755		<b>55</b>		2055	2155	2255	
<b>Bromborough</b> The Cross	-	0759		<b>59</b>		2059	2159	2259	
<b>Bromborough</b> Tulip Factory	-	0806		<b>06</b>		2106	2206	2306	
<b>Bromborough</b> Croft Retail Park, ASDA	🛒	0810	<b>then</b>	<b>10</b>		2110	2210	2310	
<b>New Ferry</b> Boundary Road, Circular Drive	-	0822	<b>at</b>	<b>22</b>		2122	2222	2322	
<b>Rock Ferry</b> Bebington Rd, Bedford Ave	-	0829	<b>these</b>	<b>29</b>		2129	2229	2329	
<b>Birkenhead Bus Station</b>	🚌	0740	0840	<b>mins</b>	<b>40</b>	<b>until</b>	2140	2240	2340
<b>Cloughton Village</b> Upton Road		0746	0846	<b>past</b>	<b>46</b>		2146	2246	2346
<b>Bidston Station</b> Tesco Superstore	⇌	0753	0853	<b>each</b>	<b>53</b>		2153	2253	2353
<b>Sandbrook</b> Chapelhill Road, Sunningdale		0758	0858	<b>hour</b>	<b>58</b>		2158	2258	2358
<b>Moreton Cross</b> Hoylake Road		0802	0902		<b>02</b>		2202	2302	0002
<b>Saughall Massie</b> Overchurch Road		0809	0909		<b>09</b>		2209	2309	0009
<b>Meols</b> Birkenhead Rd, Railway Inn Pub		0816	0916		<b>16</b>		2216	2316	-
<b>Hoylake</b> Market Street, Hoylake Station	⇌	0822	0922		<b>22</b>		2222	2322	-
<b>West Kirby</b> Grange Rd, West Kirby station	⇌	0828	0928		<b>28</b>		2228	2328	-



## Routes 38 and 38A: West Kirby - New Ferry/Bromborough/ Mill Park/Eastham Ferry

Route 38B is not included on this map.  
Please see code on page 2 to see the  
route variation.



Key	
	Timetable reference point
	Hospital
	College
	Merseyrail station
	Bus Station
	Merseytravel Centre
	Golf course

As part of the response to the corona pandemic, from Sunday 24 January customers are advised that bus services may be running to temporary timetables until further notice.

For help with planning your journey visit: [www.merseytravel.gov.uk](http://www.merseytravel.gov.uk) or your local bus operator websites at:

[www.arrivabus.co.uk/northwest](http://www.arrivabus.co.uk/northwest)  
[www.stagecoachbus.com](http://www.stagecoachbus.com)



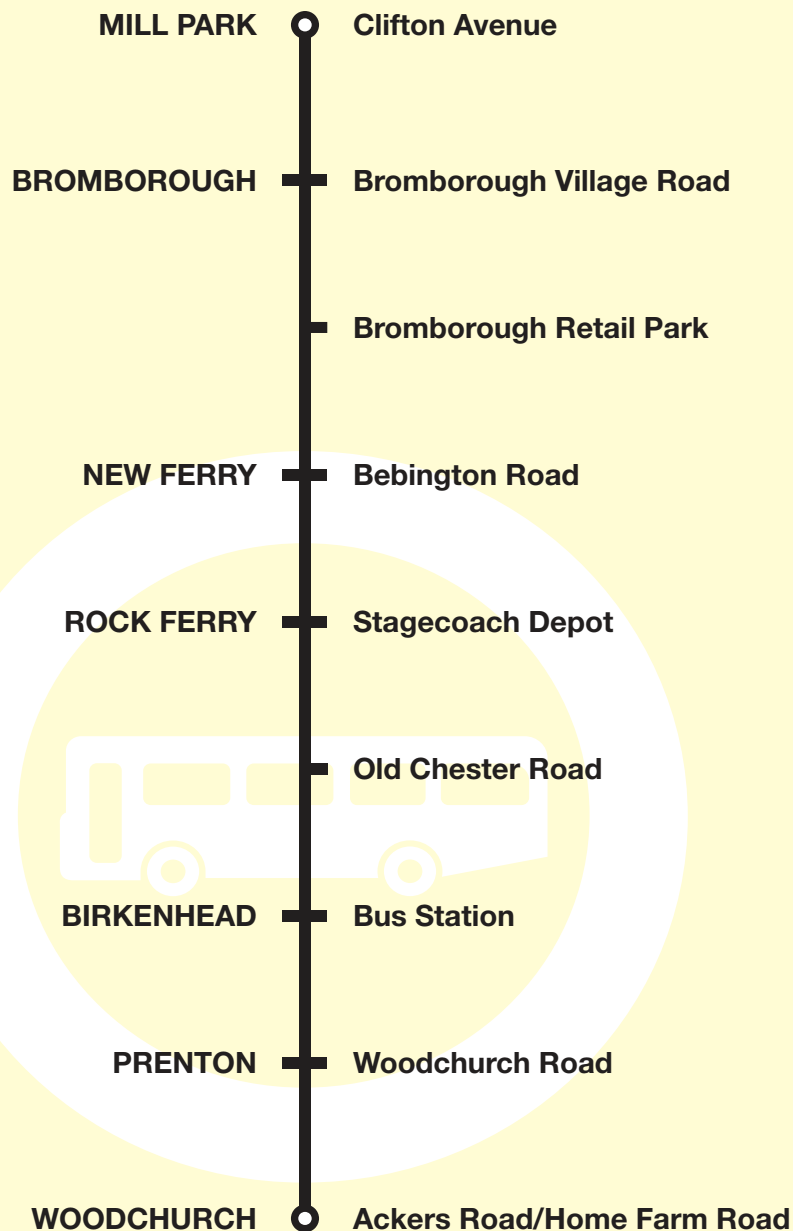
Valid from **24 January 2021**

## Bus timetable

# 41, 42

## Mill Park - Woodchurch

These services are provided by **Stagecoach and Merseytravel**







## What's changed?

Monday to Friday: daytime service is reduced to every 12 minutes. Times are changed.  
Saturday and Sunday service is unchanged.



## Any comments about this service?

If you've got any comments or suggestions about the services shown in this timetable, please contact the bus company who runs the service:

### Stagecoach Merseyside

East Lancashire Road, Gillmoss, Liverpool, L11 0BB  
0151 330 6200

If you have left something in a bus station, please contact us at Merseytravel:

#### By e-mail

[ask@merseytravel.gov.uk](mailto:ask@merseytravel.gov.uk)

#### By phone

0151 330 1000

#### In writing

PO Box 1976, Liverpool, L69 3HN



## Need some help or more information?



For help planning your journey, call 0151 330 1000, open 0800 - 2000, 7 days a week



You can visit one of our Travel Centres across the Merseytravel network to get information about all public transport services. To find out opening times, phone us on **0151 330 1000**.



Our website contains lots of information about public transport across Merseyside.  
You can visit our website at **[www.merseytravel.gov.uk](http://www.merseytravel.gov.uk)**

Bus services may run to different timetables during bank and public holidays, so please check your travel plans in advance.



## Large print timetables

We can supply this timetable in another format, such as large print.  
Either call **0151 330 1000** or email us at **[ask@merseytravel.gov.uk](mailto:ask@merseytravel.gov.uk)**

**41, 42****Mill Park - Woodchurch****Stagecoach**  
Merseytravel bus service

## Route descriptions

**Route 41 (Stagecoach and Merseytravel Sunday Route) between Mill Park and Woodchurch: from** MILL PARK (MILL PARK DRIVE/CLIFTON AVENUE) via Eastham Rake, Bridle Road, Heygarth Road, Raeburn Avenue, Morland Avenue, Allport Road, Allport Lane, The Cross, Bromborough Village Road, Spital Road, Croft Avenue East, Caldbeck Road, Welton Road, Stadium Road, Port Causeway, New Chester Road, Bedford Road, Grove Road, Old Chester Road, Queen Street, Hinderton Road, Argyle Street South, Argyle Street, Conway Street, BIRKENHEAD BUS STATION, Claughton Road, Exmouth Street, Whetstone Lane, Borough Road, Singleton Avenue, Woodchurch Road to WOODCHURCH (ACKERS ROAD/HOME FARM ROAD).

**Route 41 (Stagecoach and Merseytravel Sunday Route) between Woodchurch and Mill Park: from** WOODCHURCH (ACKERS ROAD) via Ackers Road, Home Farm Road, New Hey Road, Houghton Road, Pemberton Road, Home Farm Road, Ackers Road, Woodchurch Road, Singleton Avenue, Borough Road, Clifton Crescent, Argyle Street, Conway Street, BIRKENHEAD BUS STATION, Conway Street, Argyle Street, Argyle Street South, Hinderton Road, Queen Street, Old Chester Road, Grove Road, Bedford Road, New Chester Road, Port Causeway, Stadium Road, Welton Road, Caldbeck Road, Croft Avenue East, Spital Road, Bromborough Village Road, The Cross, Allport Lane, Allport Road, Brookhurst Avenue, Eastham Rake, Mill Park Drive to MILL PARK (MILL PARK DRIVE/CLIFTON AVENUE).

**Route 41 (Merseytravel Monday to Saturday morning) between Mill Park and Woodchurch: from** MILL PARK (MILL PARK DRIVE/CLIFTON AVENUE) via Eastham Rake then as Route 41 (above) to BIRKENHEAD BUS STATION then Europa Boulevard, Price Street, Argyle Street, Hamilton Square, Hamilton Street, WOODSIDE BUS STATION, Chester Street, Bridge Street, Hamilton Street, Canning Street, Argyle Street, Conway Street, BIRKENHEAD BUS STATION then as Route 41 (above) to WOODCHURCH (ACKERS ROAD/HOME FARM ROAD).

**Route 41 (Merseytravel Monday to Saturday morning) between Woodchurch and Mill Park: from** WOODCHURCH (ACKERS ROAD) via Ackers Road then as Route 41 (above) to BIRKENHEAD BUS STATION then Europa Boulevard, Price Street, Argyle Street, Hamilton Square, Hamilton Street, WOODSIDE BUS STATION, Chester Street, Bridge Street, Hamilton Street, Canning Street, Argyle Street to Conway Street then Route 41 (above) to Mill Park Drive to MILL PARK (MILL PARK DRIVE/CLIFTON AVENUE).

**Route 42 (Stagecoach and Merseytravel) between Mill Park and Woodchurch: from** MILL PARK (MILL PARK DRIVE/CLIFTON AVENUE) via Mill Park Drive, Eastham Rake, Brookhurst Avenue, Allport Road, Allport Lane, The Cross, Bromborough Village Road, Spital Road, Croft Avenue East, Caldbeck Road, Welton Road, Stadium Road, Port Causeway, New Chester Road, Bedford Road, Grove Road, Old Chester Road, Queen Street, Hinderton Road, Argyle Street South, Argyle Street, Conway Street, BIRKENHEAD BUS STATION, Claughton Road, Exmouth Street, Whetstone Lane, Borough Road, Singleton Avenue, Woodchurch Road to WOODCHURCH (ACKERS ROAD/HOME FARM ROAD).

**Route 42 (Stagecoach and Merseytravel) between Woodchurch and Mill Park: from** WOODCHURCH (ACKERS ROAD) via Ackers Road, Home Farm Road, New Hey Road, Houghton Road, Pemberton Road, Home Farm Road, Ackers Road, Woodchurch Road, Singleton Avenue, Borough Road, Clifton Crescent, Argyle Street, Conway Street, BIRKENHEAD BUS STATION, Conway Street, Argyle Street, Argyle Street South, Hinderton Road, Queen Street, Old Chester Road, Grove Road, Bedford Road, New Chester Road, Port Causeway, Stadium Road, Welton Road, Caldbeck Road, Croft Avenue East, Spital Road, Bromborough Village Road, The Cross, Allport Lane, Allport Road, Morland Avenue, Raeburn Avenue, Heygarth Road, Bridle Road, Eastham Rake, Mill Park Drive to MILL PARK (MILL PARK DRIVE/CLIFTON AVENUE).

**41, 42****Mill Park - Woodchurch****Stagecoach**  
Merseytravel bus service**Mondays to Fridays**

	<sup>M</sup> <b>41</b>	<sup>M</sup> <b>41</b>	<sup>M</sup> <b>41</b>	<sup>M</sup> <b>41</b>	<b>41</b>	<b>41</b>	<b>42</b>	<sup>M</sup> <b>41</b>	<b>41</b>	<b>42</b>	<b>42</b>	<b>41</b>	<b>42</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	0504	▶0528	▶0602	-	-	-	▶0632	-	-	-	0714	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	↓	↓	↓	-	-	-	↓	-	-	-	↓	0726
<b>Bromborough Cross</b> Bromborough Village Road	-	0514	0540	0622	-	-	-	0652	-	-	-	0726	0738
<b>Bromborough Retail Park</b>	-	0517	0543	0625	-	-	-	0655	-	-	-	0731	0743
<b>New Ferry</b> New Chester Road, Bebington Road	-	0524	0550	0632	-	-	-	0702	-	-	-	0741	0753
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	-	0527	0553	0635	-	-	-	0705	-	0725	0737	0744	0756
<b>Rock Ferry</b> Grove Road	-	0530 ▼	0556 □	0638▲	-	-	-	0708 ■	-	0730	0742	0750	0802
<b>Birkenhead Bus Station</b>	0515	0545	0611	0653	0653	0700	0712	0723	0723	0736	0748	0759	0811
<b>Prenton</b> Woodchurch Road, Storeton Road	0523	0553	0619	-	0701	0711	0723	-	0734	0747	0759	0810	0822
<b>Woodchurch</b> Ackers Road, Home Farm Road	0528	0558	0624	-	0707	0717	0729	-	0740	0753	0805	0817	0829
	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	0738	-	0802	-	0826	-	0850	-	0914	-	0938	-	1002
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	↓	0750	↓	0814	↓	0838	↓	0902	↓	0926	↓	0950	↓
<b>Bromborough Cross</b> Bromborough Village Road	0750	0802	0814	0826	0838	0850	0902	0914	0926	0938	0950	1002	1014
<b>Bromborough Retail Park</b>	0755	0807	0819	0831	0843	0855	0907	0919	0931	0943	0955	1007	1019
<b>New Ferry</b> New Chester Road, Bebington Road	0805	0817	0829	0841	0853	0905	0917	0929	0941	0953	1005	1017	1029
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0808	0820	0832	0844	0856	0908	0920	0932	0944	0956	1008	1020	1032
<b>Rock Ferry</b> Grove Road	0814	0826	0838	0850	0902	0914	0926	0938	0950	1002	1014	1026	1038
<b>Birkenhead Bus Station</b>	0823	0835	0847	0859	0911	0923	0935	0947	0959	1011	1023	1035	1047
<b>Prenton</b> Woodchurch Road, Storeton Road	0834	0846	0858	0910	0922	0934	0946	0958	1010	1022	1034	1046	1058
<b>Woodchurch</b> Ackers Road, Home Farm Road	0841	0853	0905	0917	0929	0941	0953	1005	1017	1029	1041	1053	1105

*Continued on next page*

**41, 42****Mill Park - Woodchurch****Stagecoach**  
Merseytravel bus service**Mondays to Fridays**

	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	1026	-	1050	-	1114	-	1138	-	1202	-	1226	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	1014	↓	1038	↓	1102	↓	1126	↓	1150	↓	1214	↓	1238
<b>Bromborough Cross</b> Bromborough Village Road	1026	1038	1050	1102	1114	1126	1138	1150	1202	1214	1226	1238	1250
<b>Bromborough Retail Park</b>	1031	1043	1055	1107	1119	1131	1143	1155	1207	1219	1231	1243	1255
<b>New Ferry</b> New Chester Road, Bebington Road	1041	1053	1105	1117	1129	1141	1153	1205	1217	1229	1241	1253	1305
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1044	1056	1108	1120	1132	1144	1156	1208	1220	1232	1244	1256	1308
<b>Rock Ferry</b> Grove Road	1050	1102	1114	1126	1138	1150	1202	1214	1226	1238	1250	1302	1314
<b>Birkenhead Bus Station</b>	1059	1111	1123	1135	1147	1159	1211	1223	1235	1247	1259	1311	1323
<b>Prenton</b> Woodchurch Road, Storeton Road	1110	1122	1134	1146	1158	1210	1222	1234	1246	1258	1310	1322	1334
<b>Woodchurch</b> Ackers Road, Home Farm Road	1117	1129	1141	1153	1205	1217	1229	1241	1253	1305	1317	1329	1341
	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	1250	-	1314	-	1338	-	1402	-	1426	-	1450	-	1514
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	↓	1302	↓	1326	↓	1350	↓	1414	↓	1438	↓	1502	↓
<b>Bromborough Cross</b> Bromborough Village Road	1302	1314	1326	1338	1350	1402	1414	1426	1438	1450	1502	1514	1526
<b>Bromborough Retail Park</b>	1307	1319	1331	1343	1355	1407	1419	1431	1443	1455	1507	1519	1531
<b>New Ferry</b> New Chester Road, Bebington Road	1317	1329	1341	1353	1405	1417	1429	1441	1453	1505	1517	1529	1541
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1320	1332	1344	1356	1408	1420	1432	1444	1456	1508	1520	1532	1544
<b>Rock Ferry</b> Grove Road	1326	1338	1350	1402	1414	1426	1438	1450	1502	1514	1526	1538	1550
<b>Birkenhead Bus Station</b>	1335	1347	1359	1411	1423	1435	1447	1459	1511	1523	1535	1547	1559
<b>Prenton</b> Woodchurch Road, Storeton Road	1346	1358	1410	1422	1433	1446	1458	1510	1522	1534	1546	1558	1610
<b>Woodchurch</b> Ackers Road, Home Farm Road	1353	1405	1417	1429	1441	1453	1505	1517	1529	1541	1553	1605	1617

*Continued on next page*

**41, 42****Mill Park - Woodchurch****Stagecoach**  
Merseytravel bus service**Mondays to Fridays**

	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	1538	-	1602	-	1622	-	1650	-	1714	-	1738	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	1526	↓	1550	↓	1614	↓	1638	↓	1702	↓	1726	↓	1753
<b>Bromborough Cross</b> Bromborough Village Road	1538	1550	1602	0614	1626	1634	1650	1702	1714	1726	1738	1750	1805
<b>Bromborough Retail Park</b>	1543	1555	1607	1619	1631	1639	1655	1707	1719	1731	1743	1755	1810
<b>New Ferry</b> New Chester Road, Bebington Road	1553	1605	1617	1629	1641	1649	1705	1717	1729	1741	1753	1805	1820
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1556	1608	1620	1632	1644	1652	1708	1720	1732	1744	1756	1808	1823
<b>Rock Ferry</b> Grove Road	1602	1614	1626	1638	1650	1658	1714	1726	1738	1750	1802	1814	1829
<b>Birkenhead Bus Station</b>	1611	1623	1635	1647	1659	1707	1723	1735	1747	1759	1811	1823	1838
<b>Prenton</b> Woodchurch Road, Storeton Road	1622	1634	1646	1658	1710	1718	1734	1746	1758	1810	1822	1834	1849
<b>Woodchurch</b> Ackers Road, Home Farm Road	1629	1641	1653	1705	1717	1725	1741	1753	1805	1817	1829	1841	1856
	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	1808	-	1830	-	1855	-	1942	2012	2042	2142	2242	2342	
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	↓	1819	↓	1839	↓	1909	↓	↓	↓	↓	↓	↓	
<b>Bromborough Cross</b> Bromborough Village Road	1819	1827	1837	1847	1902	1917	1949	2019	2049	2149	2249	2349	
<b>Bromborough Retail Park</b>	1824	1832	1842	1852	1907	1922	1954	2024	2054	2154	2254	2354	
<b>New Ferry</b> New Chester Road, Bebington Road	1834	1841	1851	1901	1916	1931	2003	2033	2103	2203	2303	0003	
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1836	1843	1853	1903	1918	1933	2005	2035	2105	2205	2305	0005	
<b>Rock Ferry</b> Grove Road	1841	-	-	1908	-	1938	2009	-	2109	2209	2309	-	
<b>Birkenhead Bus Station</b>	1847	-	-	1914	-	1944	2015	-	2115	2215	2315	-	
<b>Prenton</b> Woodchurch Road, Storeton Road	1858	-	-	1922	-	1952	2022	-	2122	2222	2322	-	
<b>Woodchurch</b> Ackers Road, Home Farm Road	1904	-	-	1927	-	1957	2027	-	2127	2227	2327	-	

**Codes used on the previous pages:**

- Merseytravel Bus Service operated by Stagecoach

▾ - means that this bus starts from Allport Road, Morland Avenue 6 minutes earlier. The journey timed to arrive at Mill Park Drive at 0528 departs 2 minutes after the stated time. The 0602 and 0632 journeys depart 10 minutes later.

▼ - means that this bus serves Woodside Bus Station at 0541

▲ - means that this bus serves Woodside Bus Station at 0649

□ - means that this bus serves Woodside Bus Station at 0607

■ - means that this bus serves Woodside Bus Station at 0719



# 41, 42

# Mill Park - Woodchurch


## Stagecoach Merseytravel bus service

### Saturdays









	<sup>M</sup> 41	<sup>M</sup> 41	<sup>M</sup> 41	<sup>M</sup> 41	<sup>M</sup> 41	41	<sup>M</sup> 41	42	<sup>M</sup> 41	41	42	41	42
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	0504	▷0532	▷0602	▷0632	-	▷0702	-	▷0732	-	-	0812	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	↓	↓	↓	↓	-	↓	-	↓	-	-	↓	0827
<b>Bromborough Cross</b> Bromborough Village Road	-	0514	0544	0614	0652	-	0722	-	0752	-	-	0823	0838
<b>Bromborough Retail Park</b>	-	0517	0547	0617	0655	-	0725	-	0755	-	-	0828	0843
<b>New Ferry</b> New Chester Road, Bebington Road	-	0524	0554	0624	0702	-	0732	-	0802	-	-	0838	0853
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	-	0527	0557	0627	0705	-	0735	-	0805	-	-	0841	0856
<b>Rock Ferry</b> Grove Road	-	0530▼	0600□	0630▲	0708■	-	0738◆	-	0808*	-	-	0847	0902
<b>Birkenhead Bus Station</b>	0515	0545	0615	0645	0723	0724	0753	0754	0823	0824	0839	0854	0909
<b>Prenton</b> Woodchurch Road, Storeton Road	0523	0553	0623	0653	-	0735	-	0805	-	0835	0850	0905	0920
<b>Woodchurch</b> Ackers Road, Home Farm Road	0528	0558	0628	0658	-	0742	-	0812	-	0842	0857	0912	0927
	<b>41</b>	<b>42</b>		<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>		<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	0842	-		12	-	42	-		1712	-	1742	-	1812
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	↓	0857		↓	27	↓	57		↓	1727	↓	1757	↓
<b>Bromborough Cross</b> Bromborough Village Road	0853	0908	then at these mins past each hour	23	38	53	08	until	1723	1738	1753	1808	1819
<b>Bromborough Retail Park</b>	0858	0913		28	43	58	13		1728	1743	1758	1813	1824
<b>New Ferry</b> New Chester Road, Bebington Road	0908	0923		38	53	08	23		1738	1752	1808	1823	1833
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0911	0926		41	56	11	26		1741	1756	1811	1826	1835
<b>Rock Ferry</b> Grove Road	0917	0932		47	02	17	32		1747	1802	1817	1832	-
<b>Birkenhead Bus Station</b>	0924	0939		54	09	24	39		1754	1809	1824	1839	-
<b>Prenton</b> Woodchurch Road, Storeton Road	0935	0950		05	20	35	50		1805	1820	1835	1850	-
<b>Woodchurch</b> Ackers Road, Home Farm Road	0942	0957		12	27	42	57		1812	1827	1842	1857	-

Continued on next page

**41, 42****Mill Park - Woodchurch****Stagecoach**  
Merseytravel bus service**Saturdays**

	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	1842	-	1912	1942	2042	2142	2242	2342
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	1827	↓	1857	↓	↓	↓	↓	↓	↓
<b>Bromborough Cross</b> Bromborough Village Road	1834	1849	1904	1919	1949	2049	2149	2249	2349
<b>Bromborough Retail Park</b>	1839	1854	1909	1924	1954	2054	2154	2254	2354
<b>New Ferry</b> New Chester Road, Bebington Road	1848	1903	1918	1933	2003	2103	2203	2303	0003
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1850	1905	1920	1935	2005	2105	2205	2305	0005
<b>Rock Ferry</b> Grove Road	1854	1909	-	-	2009	2109	2209	2309	-
<b>Birkenhead Bus Station</b> 	1900	1915	-	-	2015	2115	2215	2315	-
<b>Prenton</b> Woodchurch Road, Storeton Road	1907	1922	-	-	2022	2122	2222	2322	-
<b>Woodchurch</b> Ackers Road, Home Farm Road	1912	1927	-	-	2027	2127	2227	2327	-

**Codes used on the previous page:**

-  - Merseytravel Bus Service operated by Stagecoach
-  - means that this bus starts from Allport Road, Morland Avenue 6 minutes earlier.  
The journeys timed to arrive at Mill Park Drive at 0532 and 0602 depart 2 minutes later than stated time.  
The 0632, 0702 and 0732 journeys depart 10 minutes later.
-  - means that this bus serves Woodside Bus Station at 0541
-  - means that this bus serves Woodside Bus Station at 0641
-  - means that this bus serves Woodside Bus Station at 0749
-  - means that this bus serves Woodside Bus Station at 0611
-  - means that this bus serves Woodside Bus Station at 0719
-  - means that this bus serves Woodside Bus Station at 0819



# 41, 42

# Mill Park - Woodchurch

## Stagecoach Merseytravel bus service

### Sundays and bank holidays

	<b>M</b> <b>42</b>	<b>M</b> <b>41</b>	<b>M</b> <b>42</b>	<b>M</b> <b>41</b>	<b>M</b> <b>42</b>	<b>42</b>	<b>M</b> <b>41</b>	<b>41</b>	<b>42</b>	<b>41</b>		<b>42</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	0637	-	▷0724	-	-	▷0824	-	-	0933		-	33
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	-	▷0654	↓	▷0754	-	↓	-	0903	↓	then at these mins past each hour	03	↓
<b>Bromborough Cross</b> Bromborough Village Road	-	0648	0718	0748	0818	-	0848	-	0913	0943		13	43
<b>Bromborough Retail Park</b>	-	0651	0721	0751	0821	-	0851	-	0918	0948		18	48
<b>New Ferry</b> New Chester Road, Bebington Road	-	0658	0728	0758	0828	-	0858	-	0928	0958		28	58
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	-	0701	0731	0801	0831	-	0901	-	0930	1000		30	00
<b>Rock Ferry</b> Grove Road	-	0704	0734	0804	0834	-	0904	-	0934	1004		34	04
<b>Birkenhead Bus Station</b>	0640	0710	0740	0810	0840	0840	0910	0910	0940	1010		40	10
<b>Prenton</b> Woodchurch Road, Storeton Road	0648	0718	0748	0818	-	0849	-	0919	0949	1019		49	19
<b>Woodchurch</b> Ackers Road, Home Farm Road	0653	0723	0753	0823	-	0855	-	0925	0955	1025		55	25

		<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)		-	1735	-	1839	1939	2039	2139	2239	2339
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)		1703	↓	1803	↓	↓	↓	↓	↓	↓
<b>Bromborough Cross</b> Bromborough Village Road		1713	1745	1813	1846	1946	2046	2146	2246	2346
<b>Bromborough Retail Park</b>		1718	1750	1818	1851	1951	2051	2151	2251	2351
<b>New Ferry</b> New Chester Road, Bebington Road	until	1728	1759	1828	1900	2000	2100	2200	2300	0000
<b>Rock Ferry</b> New Chester Road, Stagecoach depot		1730	1801	1830	1902	2002	2102	2202	2302	0002
<b>Rock Ferry</b> Grove Road		1734	1805	1834	1906	2006	2106	2206	2306	-
<b>Birkenhead Bus Station</b>		1740	1811	1840	1912	2012	2112	2212	2312	-
<b>Prenton</b> Woodchurch Road, Storeton Road		1749	1820	-	1920	2020	2120	2220	2320	-
<b>Woodchurch</b> Ackers Road, Home Farm Road		1755	1825	-	1924	2024	2124	2224	2324	-

Codes used on this page: **M** - Merseytravel Bus Service operated by Stagecoach

▷ - starts from Allport Road, Morland Avenue 8 minutes earlier than the stated arrival time and departs from Mill Park Drive 13 minutes later.





# 41, 42

# Woodchurch - Mill Park

## Stagecoach Merseytravel bus service

### Mondays to Fridays

	<sup>M</sup> 41	<sup>M</sup> 41	<sup>M</sup> 41	<sup>M</sup> 41	41	42	<sup>M</sup> 41	41	42	41	42	41	42
<b>Woodchurch</b> Ackers Road, Home Farm Road	-	-	0528	0558	-	-	0624	-	-	-	0655	0707	0717
<b>Woodchurch</b> New Hey Road, Leeswood Road	-	-	0533	0603	-	-	0629	-	-	-	0702	0714	0724
<b>Woodchurch</b> Ackers Road, Home Farm Road	-	-	0538	0608	-	-	0634	-	-	-	0709	0721	0731
<b>Prenton</b> Woodchurch Road, Storeton Road	-	-	0543▲	0613■	-	-	0639◆	-	-	-	0717	0729	0739
<b>Birkenhead Bus Station</b>	▼0456	▼0530	0600	0630	0630	-	0656	0656	0706	0718	0728	0740	0750
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	0503	0537	0607	-	0637	-	-	0703	0713	0725	0735	0747	0757
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0506	0540	0610	-	0641	0654□	-	0706	0717	0729	0741	0753	0803
<b>New Ferry</b> New Chester Road, Bebington Road	0508	0542	0612	-	0643	0656	-	0708	0719	0731	0744	0756	0806
<b>Bromborough Retail Park</b>	0516	0550	0620	-	0653	0706	-	0718	0729	0741	0755	0807	0817
<b>Bromborough Cross</b> Allport Lane	0519	0553	0623	-	0657	0710	-	0722	0733	0745	0800	0812	0822
<b>Bromborough</b> Allport Road, Morand Avenue	0522	0556	0626	-	0700	0713	-	0725	0736	0748	0804	0816	0826
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	-	-	-	0707	↓	-	0732	↓	0755	↓	0823	↓
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	-	-	-	-	0719	-	-	0742	-	0811	-	0833
	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	0729	0741	0753	0805	0817	0829	0841	0853	0905	0917	0929	0941	0953
<b>Woodchurch</b> New Hey Road, Leeswood Road	0736	0748	0800	0812	0824	0836	0848	0900	0912	0924	0936	0948	1000
<b>Woodchurch</b> Ackers Road, Home Farm Road	0743	0755	0807	0819	0831	0843	0855	0907	0919	0931	0943	0955	1007
<b>Prenton</b> Woodchurch Road, Storeton Road	0751	0803	0815	0827	0839	0851	0903	0915	0927	0939	0951	1003	1015
<b>Birkenhead Bus Station</b>	0802	0814	0826	0838	0850	0902	0914	0926	0938	0950	1002	1014	1026
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	0809	0821	0833	0845	0857	0909	0921	0933	0945	0957	1009	1021	1033
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0815	0827	0839	0851	0903	0915	0927	0939	0951	1003	1015	1027	1039
<b>New Ferry</b> New Chester Road, Bebington Road	0818	0830	0842	0854	0906	0918	0930	0942	0954	1006	1018	1030	1042
<b>Bromborough Retail Park</b>	0829	0841	0853	0905	0917	0929	0941	0953	1005	1017	1029	1041	1053
<b>Bromborough Cross</b> Allport Lane	0834	0846	0858	0910	0922	0934	0946	0958	1010	1022	1034	1046	1058
<b>Bromborough</b> Allport Road, Morland Avenue	0838	0850	0902	0914	0926	0938	0950	1002	1014	1026	1038	1050	1102
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	0845	↓	0909	↓	0933	↓	0957	↓	1021	↓	1045	↓	1109
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	0857	-	0921	-	0945	-	1009	-	1033	-	1057	-

Continued on next page 10

**41, 42****Woodchurch - Mill Park****Stagecoach**  
Merseytravel bus service**Mondays to Fridays**

	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	1005	1017	1029	1041	1053	1105	1117	1129	1141	1153	1205	1217	1229
<b>Woodchurch</b> New Hey Road, Leeswood Road	1012	1024	1036	1048	1100	1112	1124	1136	1148	1200	1212	1224	1236
<b>Woodchurch</b> Ackers Road, Home Farm Road	1019	1031	1043	1055	1107	1119	1131	1143	1155	1207	1219	1231	1243
<b>Prenton</b> Woodchurch Road, Storeton Road	1027	1039	1051	1103	1115	1127	1139	1151	1203	1215	1227	1239	1251
<b>Birkenhead Bus Station</b>	1038	1050	1102	1114	1126	1138	1150	1202	1214	1226	1238	1250	1302
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	1045	1057	1109	1121	1133	1145	1157	1209	1221	1233	1245	1257	1309
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1051	1103	1115	1127	1139	1151	1203	1215	1227	1239	1251	1303	1315
<b>New Ferry</b> New Chester Road, Bebington Road	1054	1106	1118	1130	1142	1154	1206	1218	1230	1242	1254	1306	1318
<b>Bromborough Retail Park</b>	1105	1117	1129	1141	1153	1205	1217	1229	1241	1253	1305	1317	1329
<b>Bromborough Cross</b> Allport Lane	1110	1122	1134	1146	1158	1210	1222	1234	1246	1258	1310	1322	1334
<b>Bromborough</b> Allport Road, Morand Avenue	1114	1126	1138	1150	1202	1214	1226	1238	1250	1302	1314	1326	1338
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	↓	1133	↓	1157	↓	1221	↓	1245	↓	1309	↓	1333	↓
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	1121	-	1145	-	1209	-	1233	-	1257	-	1321	-	1345
	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	1241	1253	1305	1317	1329	1341	1353	1405	1417	1429	1441	1453	1505
<b>Woodchurch</b> New Hey Road, Leeswood Road	1248	1300	1312	1324	1336	1348	1400	1412	1424	1436	1448	1500	1512
<b>Woodchurch</b> Ackers Road, Home Farm Road	1255	1307	1319	1331	1343	1355	1407	1419	1431	1443	1455	1507	1519
<b>Prenton</b> Woodchurch Road, Storeton Road	1303	1315	1327	1339	1351	1403	1415	1427	1439	1451	1503	1515	1527
<b>Birkenhead Bus Station</b>	1314	1326	1338	1350	1402	1414	1426	1438	1450	1502	1514	1526	1538
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	1321	1333	1345	1357	1409	1421	1433	1445	1457	1509	1521	1533	1545
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1327	1339	1351	1403	1415	1427	1439	1451	1503	1515	1527	1539	1551
<b>New Ferry</b> New Chester Road, Bebington Road	1330	1342	1354	1406	1418	1430	1442	1454	1506	1518	1530	1542	1554
<b>Bromborough Retail Park</b>	1341	1353	1405	1417	1429	1441	1453	1505	1517	1529	1541	1553	1605
<b>Bromborough Cross</b> Allport Lane	1346	1358	1410	1422	1434	1446	1458	1510	1522	1534	1546	1558	1610
<b>Bromborough</b> Allport Road, Morland Avenue	1350	1402	1414	1426	1438	1450	1502	1514	1526	1538	1550	1602	1614
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	1357	↓	1421	↓	1445	↓	1509	↓	1533	↓	1557	↓	1621
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	1409	-	1433	-	1457	-	1521	-	1545	-	1609	-

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**41, 42****Woodchurch - Mill Park****Stagecoach**  
Merseytravel bus service**Mondays to Fridays**

	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	1517	1529	1541	1553	1605	1617	1629	1641	1653	1705	1717	1725	1741
<b>Woodchurch</b> New Hey Road, Leeswood Road	1524	1536	1548	1600	1612	1624	1636	1648	1700	1712	1724	1732	1748
<b>Woodchurch</b> Ackers Road, Home Farm Road	1531	1543	1555	1607	1619	1631	1643	1655	1707	1719	1731	1739	1755
<b>Prenton</b> Woodchurch Road, Storeton Road	1539	1551	1603	1615	1627	1639	1651	1703	1715	1727	1739	1747	1803
<b>Birkenhead Bus Station</b>	1550	1602	1614	1626	1638	1650	1702	1714	1726	1738	1750	1757	1813
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	1557	1609	1621	1633	1645	1657	1709	1721	1733	1745	1757	1804	1820
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1603	1615	1627	1639	1651	1703	1715	1727	1739	1751	1803	1809	1825
<b>New Ferry</b> New Chester Road, Bebington Road	1606	1618	1630	1642	1654	1706	1718	1730	1742	1754	1806	1812	-
<b>Bromborough Retail Park</b>	1617	1629	1641	1653	1705	1717	1729	1741	1753	1805	1817	1823	-
<b>Bromborough Cross</b> Allport Lane	1622	1634	1646	1658	1710	1722	1734	1746	1758	1810	1822	1828	-
<b>Bromborough</b> Allport Road, Morand Avenue	1626	1638	1650	1702	1714	1726	1738	1750	1802	1814	1826	1832	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	↓	1645	↓	1709	↓	1733	↓	1757	↓	1821	↓	1839	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	1633	-	1657	-	1721	-	1745	-	1809	-	1833	-	-
	<b>42</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	1753	1805	1817	1829	1841	1857	1904	1927	1957	2027	2127	2227	2327
<b>Woodchurch</b> New Hey Road, Leeswood Road	1800	1812	1824	1836	1848	1904	1911	1934	2004	2034	2134	2234	2334
<b>Woodchurch</b> Ackers Road, Home Farm Road	1807	1819	1831	1843	1855	1909	1916	1939	2009	2039	2139	2239	2339
<b>Prenton</b> Woodchurch Road, Storeton Road	1815	1827	1839	1851	1903	1914	-	1944	2014	2044	2144	2244	-
<b>Birkenhead Bus Station</b>	1825	1837	1849	1901	1913	1923	-	1953	2023	2053	2153	2253	-
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	1832	1844	1856	1908	1920	1929	-	1959	2029	2059	2159	2259	-
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1837	1849	1901	1913	1925	1932	-	2002	2032	2102	2202	2302	-
<b>New Ferry</b> New Chester Road, Bebington Road	1840	-	1904	-	1928	-	-	2004	-	2104	2204	2304	-
<b>Bromborough Retail Park</b>	1851	-	1915	-	1939	-	-	2013	-	2113	2213	2313	-
<b>Bromborough Cross</b> Allport Lane	1856	-	1920	-	1944	-	-	2017	-	2117	2217	2317	-
<b>Bromborough</b> Allport Road, Morland Avenue	1859	-	1924	-	1948	-	-	2020	-	2120	2220	2320	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	↓	-	1931	-	1955	-	-	2026	-	2126	2226	2326	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	1906	-	-	-	-	-	-	-	-	-	-	-	-



41, 42

Woodchurch - Mill Park

Stagecoach

Merseytravel bus service

## Mondays to Fridays

### Codes used on the previous pages:

- Ⓜ - Merseytravel Bus Service operated by Stagecoach
- ▼ - means that this bus starts from Woodside Bus Station 4 minutes earlier
- ▲ - means that this bus serves Woodside Bus Station at 0556
- - means that this bus serves Woodside Bus Station at 0626
- ◆ - means that this bus serves Woodside Bus Station at 0652
- - means that journey starts at New Chester Road/Platt Grove at the time given

**41, 42****Woodchurch - Mill Park****Stagecoach**  
Merseytravel bus service**Saturdays**

	41	41	41	41	41	41	41	42	41	42	41	42	41
<b>Woodchurch</b> Ackers Road, Home Farm Road	-	-	0528	0558	0628	0658	-	-	-	0742	-	0812	-
<b>Woodchurch</b> New Hey Road, Leeswood Road	-	-	0533	0603	0633	0703	-	-	-	0749	-	0819	-
<b>Woodchurch</b> Ackers Road, Home Farm Road	-	-	0538	0608	0638	0708	-	-	-	0756	-	0826	-
<b>Prenton</b> Woodchurch Road, Storeton Road	-	-	0543▲	0613■	0643◆	0713◐	-	-	-	0804	-	0834	-
<b>Prenton</b> Prenton Hall Road, The Dell	-	-	↓	↓	↓	↓	-	-	-	↓	-	↓	-
<b>Birkenhead Bus Station</b>	▼0500	▼0530	0600	0630	0700	0730	-	-	-	0814	-	0844	-
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	0507	0537	0607	0637	0707	0737	-	-	-	0821	-	0851	-
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0510	0540	0610	0640	0710	0740	-	0756□	0811□	0826	0841□	0856	0911□
<b>New Ferry</b> New Chester Road, Bebington Road	0512	0542	0612	0642	0712	0742	-	0759	0814	0829	0844	0859	0914
<b>Bromborough Retail Park</b>	0520	0550	0620	0650	0720	0750	-	0809	0824	0839	0854	0909	0924
<b>Bromborough Cross</b> Allport Lane	0523	0553	0623	0653	0723	0753	-	0814	0829	0844	0859	0914	0929
<b>Bromborough</b> Allport Road, Morland Avenue	0526	0556	0626	0656	0726	0756	0758	0818	0833	0848	0903	0918	0933
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	-	-	-	-	-	0805	↓	0840	↓	0910	↓	0940
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	-	-	-	-	-	-	0825	-	0855	-	0925	-

*Continued on next page***Codes used on this page:**

- Merseytravel Bus Service operated by Stagecoach

▲ - means that this bus serves Woodside Bus Station at 0556

◆ - means that this bus serves Woodside Bus Station at 0656

□ - means that this journey starts at New Chester Road/Platt Grove at the time given

▼ - means that this bus starts from Woodside Bus Station 4 minutes earlier

■ - means that this bus serves Woodside Bus Station at 0626

◐ - means that this bus serves Woodside Bus Station at 0726

**41, 42****Woodchurch - Mill Park****Stagecoach**  
Merseytravel bus service**Saturdays**

	<b>42</b>	<b>41</b>		<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>		<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	0842	0857		<b>12</b>	<b>27</b>	<b>42</b>	<b>57</b>		1727	1742	1757	1812	1827
<b>Woodchurch</b> New Hey Road, Leeswood Road	0849	0904		<b>19</b>	<b>34</b>	<b>49</b>	<b>04</b>		1734	1749	1804	1819	1834
<b>Woodchurch</b> Ackers Road, Home Farm Road	0856	0911		<b>26</b>	<b>41</b>	<b>56</b>	<b>11</b>		1741	1756	1811	1824	1839
<b>Prenton</b> Woodchurch Road, Storeton Road	0904	0919	<b>then</b>	<b>34</b>	<b>49</b>	<b>04</b>	<b>19</b>		1749	1804	1818	1829	1844
<b>Birkenhead Bus Station</b>	0914	0929	<b>at</b>	<b>44</b>	<b>59</b>	<b>14</b>	<b>29</b>		1759	1814	1827	1838	1853
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	0921	0936	<b>these</b>	<b>51</b>	<b>06</b>	<b>21</b>	<b>36</b>		1806	1821	1833	1844	1859
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0926	0941	<b>mins</b>	<b>56</b>	<b>11</b>	<b>26</b>	<b>41</b>	<b>until</b>	1811	1826	1837	1847	1902
<b>New Ferry</b> New Chester Road, Bebington Road	0929	0944	<b>past</b>	<b>59</b>	<b>14</b>	<b>29</b>	<b>44</b>		1814	1829	1839	-	1904
<b>Bromborough Retail Park</b>	0939	0954	<b>each</b>	<b>09</b>	<b>24</b>	<b>39</b>	<b>54</b>		1824	1839	1848	-	1913
<b>Bromborough Cross</b> Allport Lane	0944	0959	<b>hour</b>	<b>14</b>	<b>29</b>	<b>44</b>	<b>59</b>		1829	1844	1852	-	1917
<b>Bromborough</b> Allport Road, Morland Avenue	0948	1003		<b>18</b>	<b>33</b>	<b>48</b>	<b>03</b>		1833	1848	1855	-	1920
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	↓	1010		↓	<b>40</b>	↓	<b>10</b>		1840	↓	1901	-	1926
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	0955	-		<b>25</b>	-	<b>55</b>	-		-	1855	-	-	-

	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	1842	1857	1912	1927	2027	2127	2227	2327
<b>Woodchurch</b> New Hey Road, Leeswood Road	1849	1904	1919	1934	2034	2134	2234	2334
<b>Woodchurch</b> Ackers Road, Home Farm Road	1854	1909	1924	1939	2039	2139	2239	2339
<b>Prenton</b> Woodchurch Road, Storeton Road	1859	1914	1929	1944	2044	2144	2244	-
<b>Birkenhead Bus Station</b>	1908	1923	1938	1953	2053	2153	2253	-
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	1914	1929	1944	1959	2059	2159	2259	-
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	1917	1932	1947	2002	2102	2202	2302	-
<b>New Ferry</b> New Chester Road, Bebington Road	-	-	-	2004	2104	2204	2304	-
<b>Bromborough Retail Park</b>	-	-	-	2013	2113	2213	2313	-
<b>Bromborough Cross</b> Allport Lane	-	-	-	2017	2117	2217	2317	-
<b>Bromborough</b> Allport Road, Morland Avenue	-	-	-	2020	2120	2220	2320	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	-	-	2026	2126	2226	2326	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	-	-	-	-	-	-	-

**41, 42****Woodchurch - Mill Park****Stagecoach**  
Merseytravel bus service**Sundays and bank holidays**


	<b>M</b> <b>42</b>	<b>M</b> <b>41</b>	<b>M</b> <b>42</b>	<b>M</b> <b>41</b>	<b>M</b> <b>42</b>	<b>42</b>	<b>M</b> <b>41</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>42</b>		<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	-	-	0654	0724	0754	-	0824	-	0855	0925	0955		<b>25</b>
<b>Woodchurch</b> New Hey Road, Leeswood Road	-	-	0701	0731	0801	-	0831	-	0902	0932	1002		<b>32</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road	-	-	0706	0736	0806	-	0836	-	0907	0937	1007		<b>37</b>
<b>Prenton</b> Woodchurch Road, Storeton Road	-	-	0711	0741	0811	-	0841	-	0913	0943	1013	<b>then</b>	<b>43</b>
<b>Birkenhead Bus Station</b>	0620	0650	0720	0750	0820	-	0850	-	0924	0954	1024	<b>at</b>	<b>54</b>
<b>Rock Ferry</b> Old Chester Road, St Pauls Road	0627	0657	0727	0757	0827	-	0857	-	0931	1001	1031	<b>these</b>	<b>01</b>
<b>Rock Ferry</b> New Chester Road, Stagecoach depot	0630	0700	0730	0800	0830	-	0900	-	0934	1004	1034	<b>mins</b>	<b>04</b>
<b>New Ferry</b> New Chester Road, Bebington Road	0632	0702	0732	0802	0832	0833	0902	0903	0937	1007	1037	<b>past</b>	<b>07</b>
<b>Bromborough Retail Park</b>	0640	0710	0740	0810	-	0843	-	0913	0947	1017	1047	<b>each</b>	<b>17</b>
<b>Bromborough Cross</b> Allport Lane	0643	0713	0743	0813	-	0848	-	0918	0952	1022	1052	<b>hour</b>	<b>22</b>
<b>Bromborough</b> Allport Road, Morland Avenue	0646	0716	0746	0816	-	0852	-	0922	0956	1026	1056		<b>26</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent)	-	-	-	-	-	↓	-	0928	↓	1032	↓		<b>32</b>
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite)	-	-	-	-	-	0858	-	-	1002	-	1102		<b>-</b>

**Code used on this page:**

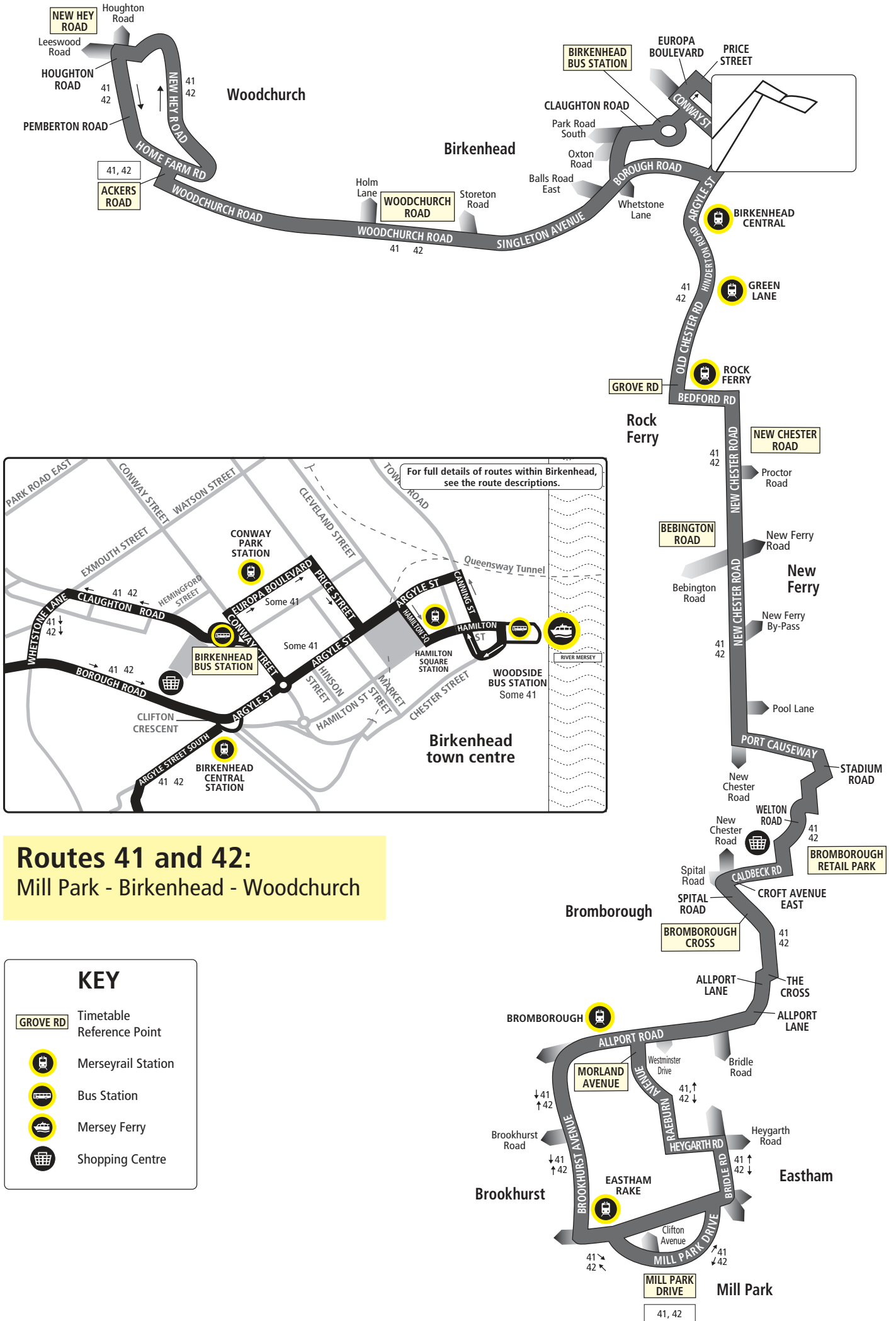
M - Merseytravel Bus Service operated by Stagecoach

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**41, 42****Woodchurch - Mill Park****Stagecoach**  
Merseytravel bus service**Sundays and bank holidays**

	<b>42</b>	<b>42</b>	<b>41</b>	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>Woodchurch</b> Ackers Road, Home Farm Road <b>55</b>		1655	1725	1755	1827	1927	2027	2127	2227	2324
<b>Woodchurch</b> New Hey Road, Leeswood Road <b>02</b>		1702	1732	1802	1834	1934	2034	2134	2234	2331
<b>Woodchurch</b> Ackers Road, Home Farm Road <b>07</b>		1707	1737	1807	1839	1939	2039	2139	2239	2336
<b>Prenton</b> Woodchurch Road, Storeton Road <b>13</b>		1713	1743	1813	1845	1945	2045	2145	2245	-
<b>Birkenhead Bus Station</b>  <b>24</b>		1724	1754	1824	1856	1956	2056	2156	2256	-
<b>Rock Ferry</b> Old Chester Road, St Pauls Road <b>31</b>		1731	1801	1831	1902	2002	2102	2202	2302	-
<b>Rock Ferry</b> New Chester Road, Stagecoach depot <b>34</b>	<b>until</b>	1734	1804	1834	1905	2005	2105	2205	2305	-
<b>New Ferry</b> New Chester Road, Bebington Road <b>37</b>		1737	1807	-	1907	2007	2107	2207	2307	-
<b>Bromborough Retail Park</b> <b>47</b>		1747	1817	-	1916	2016	2116	2216	2316	-
<b>Bromborough Cross</b> Allport Lane <b>52</b>		1752	1822	-	1920	2020	2120	2220	2320	-
<b>Bromborough</b> Allport Road, Morland Avenue <b>56</b>		1756	1826	-	1923	2023	2123	2223	2323	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (adjacent) ↓		↓	1832	-	1929	2029	2129	2229	2329	-
<b>Mill Park</b> Mill Park Drive, Clifton Ave (opposite) <b>02</b>		1802	-	-	-	-	-	-	-	-





**Routes 41 and 42:**  
**Mill Park - Birkenhead - Woodchurch**

# APPENDIX E

TRICS Outputs

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

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

**TOTAL VEHICLES**Selected regions and areas:

<b>02 SOUTH EAST</b>		
HC HAMPSHIRE		1 days
RE READING		1 days
<b>03 SOUTH WEST</b>		
BR BRISTOL CITY		1 days
DV DEVON		2 days
<b>04 EAST ANGLIA</b>		
NF NORFOLK		2 days
SF SUFFOLK		1 days
<b>05 EAST MIDLANDS</b>		
DS DERBYSHIRE		1 days
<b>06 WEST MIDLANDS</b>		
HE HEREFORDSHIRE		1 days
WM WEST MIDLANDS		2 days
<b>07 YORKSHIRE &amp; NORTH LINCOLNSHIRE</b>		
WY WEST YORKSHIRE		1 days
<b>08 NORTH WEST</b>		
CH CHESHIRE		2 days
LC LANCASHIRE		2 days
<b>09 NORTH</b>		
TV TEES VALLEY		1 days
TW TYNE & WEAR		1 days
<b>10 WALES</b>		
CF CARDIFF		1 days

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

**Primary Filtering selection:**

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

Parameter: Gross floor area  
 Actual Range: 150 to 20000 (units: sqm)  
 Range Selected by User: 150 to 80000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/12 to 04/09/20

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

Selected survey days:

Monday	2 days
Tuesday	6 days
Wednesday	1 days
Thursday	9 days
Friday	2 days

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

Selected survey types:

Manual count	20 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:

Suburban Area (PPS6 Out of Centre)	9
Edge of Town	11

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

Selected Location Sub Categories:

Industrial Zone	18
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*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:

B1	11 days
B2	7 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®.*

#### Filter by Use Class Breakdown:

All Surveys Included

#### Population within 500m Range:

All Surveys Included

#### Population within 1 mile:

1,001 to 5,000	1 days
5,001 to 10,000	2 days
10,001 to 15,000	5 days
15,001 to 20,000	2 days
20,001 to 25,000	4 days
25,001 to 50,000	6 days

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

#### Population within 5 miles:

50,001 to 75,000	2 days
75,001 to 100,000	1 days
100,001 to 125,000	2 days
125,001 to 250,000	9 days
250,001 to 500,000	5 days
500,001 or More	1 days

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

#### Car ownership within 5 miles:

0.5 or Less	1 days
0.6 to 1.0	8 days
1.1 to 1.5	11 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	20 days
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*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	20 days
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*This data displays the number of selected surveys with PTAL Ratings.*

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

<p><b>1 BR-02-C-02 STAINLESS FITTINGS</b> SOUTH LIBERTY LANE BRISTOL</p> <p>Edge of Town Industrial Zone Total Gross floor area: 1475 sqm Survey date: TUESDAY 22/09/15</p>	<p><b>BRISTOL CITY</b></p> <p>Survey Type: MANUAL</p>
<p><b>2 CF-02-C-02 BAKERY</b> MAES-Y-COED ROAD CARDIFF</p> <p>Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 14125 sqm Survey date: THURSDAY 06/10/16</p>	<p><b>CARDIFF</b></p> <p>Survey Type: MANUAL</p>
<p><b>3 CH-02-C-02 INDUSTRIAL MATERIALS</b> JUPITER DRIVE CHESTER CHESTER W. EMP. PARK Edge of Town Industrial Zone Total Gross floor area: 8100 sqm Survey date: WEDNESDAY 19/11/14</p>	<p><b>CHESHIRE</b></p> <p>Survey Type: MANUAL</p>
<p><b>4 CH-02-C-03 OFFICE FURNITURE</b> BRUNEL ROAD MACCLESFIELD LYME GREEN BUS. PARK Edge of Town Development Zone Total Gross floor area: 6658 sqm Survey date: MONDAY 19/09/16</p>	<p><b>CHESHIRE</b></p> <p>Survey Type: MANUAL</p>
<p><b>5 DS-02-C-02 ENGINEERED PRODUCTS</b> PONTEFRAC STREET DERBY</p> <p>Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 2600 sqm Survey date: THURSDAY 25/06/15</p>	<p><b>DERBYSHIRE</b></p> <p>Survey Type: MANUAL</p>
<p><b>6 DV-02-C-01 TUBE MANUFACTURE</b> PLYMBRIDGE ROAD PLYMOUTH ESTOVER Edge of Town Industrial Zone Total Gross floor area: 20000 sqm Survey date: TUESDAY 17/07/12</p>	<p><b>DEVON</b></p> <p>Survey Type: MANUAL</p>
<p><b>7 DV-02-C-02 ENERGY RECOVERY FACILITY</b> GRACE ROAD SOUTH EXETER MARSH BARTON TRAD. EST. Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 3513 sqm Survey date: THURSDAY 06/07/17</p>	<p><b>DEVON</b></p> <p>Survey Type: MANUAL</p>
<p><b>8 HC-02-C-01 ENGINEERING COMPANY</b> JAYS CLOSE BASINGSTOKE</p> <p>Edge of Town Industrial Zone Total Gross floor area: 3000 sqm Survey date: THURSDAY 16/06/16</p>	<p><b>HAMPSHIRE</b></p> <p>Survey Type: MANUAL</p>
<p><b>9 HE-02-C-02 THERMAL PROCESSING</b> COLLEGE ROAD HEREFORD BURCOTT Edge of Town Commercial Zone Total Gross floor area: 1880 sqm Survey date: TUESDAY 22/10/13</p>	<p><b>HEREFORDSHIRE</b></p> <p>Survey Type: MANUAL</p>

LIST OF SITES relevant to selection parameters (Cont.)

<b>10</b>	<b>LC-02-C-03</b>	<b>TIMBER SUPPLIES</b>	<b>LANCASHIRE</b>
	GOLDEN HILL LANE LEYLAND		
	Suburban Area (PPS6 Out of Centre) Industrial Zone		
	Total Gross floor area:	150 sqm	
	Survey date: <i>TUESDAY</i>	06/11/18	Survey Type: <i>MANUAL</i>
<b>11</b>	<b>LC-02-C-04</b>	<b>POWDER COATINGS</b>	<b>LANCASHIRE</b>
	CHORLEY ROAD BLACKPOOL LITTLE CARLETON		
	Edge of Town Industrial Zone		
	Total Gross floor area:	1010 sqm	
	Survey date: <i>THURSDAY</i>	20/06/19	Survey Type: <i>MANUAL</i>
<b>12</b>	<b>NF-02-C-03</b>	<b>SHEET METAL CONTRACTOR</b>	<b>NORFOLK</b>
	ELVIN WAY NORWICH HELLESDON		
	Edge of Town Industrial Zone		
	Total Gross floor area:	260 sqm	
	Survey date: <i>THURSDAY</i>	07/11/19	Survey Type: <i>MANUAL</i>
<b>13</b>	<b>NF-02-C-04</b>	<b>EXHIBITION DESIGN &amp; MANUF.</b>	<b>NORFOLK</b>
	FLETCHER WAY NORWICH UPPER HELLESDON		
	Suburban Area (PPS6 Out of Centre) Industrial Zone		
	Total Gross floor area:	690 sqm	
	Survey date: <i>THURSDAY</i>	14/11/19	Survey Type: <i>MANUAL</i>
<b>14</b>	<b>RE-02-C-01</b>	<b>SHEET METAL FABRICATION</b>	<b>READING</b>
	COMMERCIAL ROAD READING		
	Edge of Town Industrial Zone		
	Total Gross floor area:	645 sqm	
	Survey date: <i>THURSDAY</i>	22/11/12	Survey Type: <i>MANUAL</i>
<b>15</b>	<b>SF-02-C-01</b>	<b>JOINERY</b>	<b>SUFFOLK</b>
	ANSON ROAD IPSWICH MARTLESHAM HEATH		
	Edge of Town Industrial Zone		
	Total Gross floor area:	1100 sqm	
	Survey date: <i>FRIDAY</i>	12/07/13	Survey Type: <i>MANUAL</i>
<b>16</b>	<b>TV-02-C-02</b>	<b>FLUID ENGINEERING</b>	<b>TEES VALLEY</b>
	PARKVIEW ROAD WEST HARTLEPOOL		
	Suburban Area (PPS6 Out of Centre) Industrial Zone		
	Total Gross floor area:	1050 sqm	
	Survey date: <i>FRIDAY</i>	04/09/20	Survey Type: <i>MANUAL</i>
<b>17</b>	<b>TW-02-C-01</b>	<b>INDUSTRIAL UNIT</b>	<b>TYNE &amp; WEAR</b>
	SHAFTESBURY AVENUE JARROW TYNE POINT IND. ESTATE		
	Suburban Area (PPS6 Out of Centre) Industrial Zone		
	Total Gross floor area:	950 sqm	
	Survey date: <i>THURSDAY</i>	15/11/12	Survey Type: <i>MANUAL</i>
<b>18</b>	<b>WM-02-C-03</b>	<b>INDUSTRIAL GLASS</b>	<b>WEST MIDLANDS</b>
	DOWNING STREET SMETHWICK		
	Edge of Town Industrial Zone		
	Total Gross floor area:	5070 sqm	
	Survey date: <i>TUESDAY</i>	06/11/12	Survey Type: <i>MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

<b>19</b>	<b>WM-02-C-04</b>	<b>FOUNDRY</b>	<b>WEST MIDLANDS</b>
	STOURVALE ROAD		
	STOURBRIDGE		
	LYE		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	4324 sqm	
	Survey date: TUESDAY	21/11/17	Survey Type: MANUAL
<b>20</b>	<b>WY-02-C-02</b>	<b>FLUID SYSTEMS</b>	<b>WEST YORKSHIRE</b>
	BROWN LANE WEST		
	LEEDS		
	HOLBECK		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	13350 sqm	
	Survey date: MONDAY	19/10/15	Survey Type: MANUAL

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

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

**TOTAL VEHICLES****Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	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	<b>1</b>	<b>13350</b>	<b>0.457</b>	<b>1</b>	<b>13350</b>	<b>0.000</b>	<b>1</b>	<b>13350</b>	<b>0.457</b>
07:00 - 08:00	20	4498	0.259	20	4498	0.043	20	4498	0.302
08:00 - 09:00	20	4498	0.252	20	4498	0.061	20	4498	0.313
09:00 - 10:00	20	4498	0.173	20	4498	0.097	20	4498	0.270
10:00 - 11:00	20	4498	0.131	20	4498	0.094	20	4498	0.225
11:00 - 12:00	20	4498	0.088	20	4498	0.099	20	4498	0.187
12:00 - 13:00	20	4498	0.128	20	4498	0.147	20	4498	0.275
13:00 - 14:00	20	4498	0.172	20	4498	0.123	20	4498	0.295
14:00 - 15:00	20	4498	0.100	20	4498	0.156	20	4498	0.256
15:00 - 16:00	20	4498	0.082	20	4498	0.165	20	4498	0.247
16:00 - 17:00	20	4498	0.046	<b>20</b>	<b>4498</b>	<b>0.307</b>	20	4498	0.353
17:00 - 18:00	20	4498	0.062	20	4498	0.189	20	4498	0.251
18:00 - 19:00	20	4498	0.027	20	4498	0.099	20	4498	0.126
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			1.977			1.580			3.557

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:	150 - 20000 (units: sqm)
Survey date date range:	01/01/12 - 04/09/20
Number of weekdays (Monday-Friday):	20
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 06 - HOTEL, FOOD & DRINK  
 Category : D - FAST FOOD - DRIVE THROUGH

**TOTAL VEHICLES**Selected regions and areas:

<b>02 SOUTH EAST</b>	
SO SLOUGH	1 days
<b>04 EAST ANGLIA</b>	
CA CAMBRIDGESHIRE	1 days
<b>05 EAST MIDLANDS</b>	
LN LINCOLNSHIRE	1 days
<b>07 YORKSHIRE &amp; NORTH LINCOLNSHIRE</b>	
SY SOUTH YORKSHIRE	1 days
<b>09 NORTH</b>	
TV TEES VALLEY	1 days
<b>10 WALES</b>	
VG VALE OF GLAMORGAN	1 days

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

**Primary Filtering selection:**

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

Parameter: Gross floor area  
 Actual Range: 400 to 480 (units: sqm)  
 Range Selected by User: 210 to 800 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/12 to 24/09/20

*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	2 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	6 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town Centre	3
Suburban Area (PPS6 Out of Centre)	1
Edge of Town	2

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

Selected Location Sub Categories:

Industrial Zone	2
Residential Zone	2
Built-Up Zone	2

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

**Secondary Filtering selection:**Use Class:

A3	5 days
A5	1 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 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000	1 days
15,001 to 20,000	1 days
20,001 to 25,000	2 days
25,001 to 50,000	1 days
50,001 to 100,000	1 days

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

Population within 5 miles:

75,001 to 100,000	1 days
100,001 to 125,000	1 days
125,001 to 250,000	4 days

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

Car ownership within 5 miles:

0.6 to 1.0	3 days
1.1 to 1.5	3 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	6 days
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*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	6 days
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*This data displays the number of selected surveys with PTAL Ratings.*

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

<b>1</b>	<b>CA-06-D-02</b>	<b>MCDONALD'S</b>		<b>CAMBRIDGESHIRE</b>
	NEWMARKET ROAD CAMBRIDGE			
	Suburban Area (PPS6 Out of Centre) Residential Zone			
	Total Gross floor area:		435 sqm	
	Survey date:	TUESDAY	19/09/17	Survey Type: MANUAL
<b>2</b>	<b>LN-06-D-01</b>	<b>MCDONALD'S</b>		<b>LINCOLNSHIRE</b>
	RUSTON WAY LINCOLN			
	Edge of Town Centre Built-Up Zone			
	Total Gross floor area:		435 sqm	
	Survey date:	FRIDAY	28/06/19	Survey Type: MANUAL
<b>3</b>	<b>SO-06-D-01</b>	<b>MCDONALD'S</b>		<b>SLOUGH</b>
	WINDSOR ROAD SLOUGH			
	Edge of Town Residential Zone			
	Total Gross floor area:		480 sqm	
	Survey date:	WEDNESDAY	21/11/12	Survey Type: MANUAL
<b>4</b>	<b>SY-06-D-02</b>	<b>MCDONALD'S</b>		<b>SOUTH YORKSHIRE</b>
	UPPER NEW STREET BARNSELY			
	Edge of Town Centre Built-Up Zone			
	Total Gross floor area:		415 sqm	
	Survey date:	TUESDAY	08/09/20	Survey Type: MANUAL
<b>5</b>	<b>TV-06-D-01</b>	<b>MCDONALD'S</b>		<b>TEES VALLEY</b>
	BURN ROAD HARTLEPOOL			
	Edge of Town Centre Industrial Zone			
	Total Gross floor area:		400 sqm	
	Survey date:	FRIDAY	04/09/20	Survey Type: MANUAL
<b>6</b>	<b>VG-06-D-01</b>	<b>MCDONALD'S</b>		<b>VALE OF GLAMORGAN</b>
	CARDIFF ROAD BARRY			
	Edge of Town Industrial Zone			
	Total Gross floor area:		405 sqm	
	Survey date:	THURSDAY	24/09/20	Survey Type: MANUAL

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

TRIP RATE for Land Use 06 - HOTEL, FOOD &amp; DRINK/D - FAST FOOD - DRIVE THROUGH

**TOTAL VEHICLES****Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	480	0.417	1	480	0.000	1	480	0.417
06:00 - 07:00	4	425	6.765	4	425	5.529	4	425	12.294
07:00 - 08:00	5	427	11.897	5	427	10.398	5	427	22.295
08:00 - 09:00	5	427	15.035	5	427	14.426	5	427	29.461
09:00 - 10:00	5	427	15.035	5	427	15.035	5	427	30.070
10:00 - 11:00	6	428	15.837	6	428	15.642	6	428	31.479
11:00 - 12:00	6	428	16.576	6	428	15.837	6	428	32.413
12:00 - 13:00	6	428	21.751	6	428	21.323	6	428	43.074
13:00 - 14:00	6	428	20.700	6	428	21.323	6	428	42.023
14:00 - 15:00	6	428	15.720	6	428	16.576	6	428	32.296
15:00 - 16:00	6	428	18.054	6	428	17.121	6	428	35.175
16:00 - 17:00	6	428	20.000	6	428	20.895	6	428	40.895
17:00 - 18:00	<b>6</b>	<b>428</b>	<b>21.984</b>	6	428	21.245	6	428	43.229
18:00 - 19:00	6	428	20.895	<b>6</b>	<b>428</b>	<b>22.451</b>	<b>6</b>	<b>428</b>	<b>43.346</b>
19:00 - 20:00	6	428	18.521	6	428	19.611	6	428	38.132
20:00 - 21:00	6	428	15.370	6	428	16.654	6	428	32.024
21:00 - 22:00	6	428	12.802	6	428	12.257	6	428	25.059
22:00 - 23:00	5	427	12.131	5	427	12.881	5	427	25.012
23:00 - 24:00	5	427	5.902	5	427	6.932	5	427	12.834
Total Rates:			285.392			286.136			571.528

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:	400 - 480 (units: sqm)
Survey date range:	01/01/12 - 24/09/20
Number of weekdays (Monday-Friday):	6
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

# APPENDIX F

Network Flow Diagrams

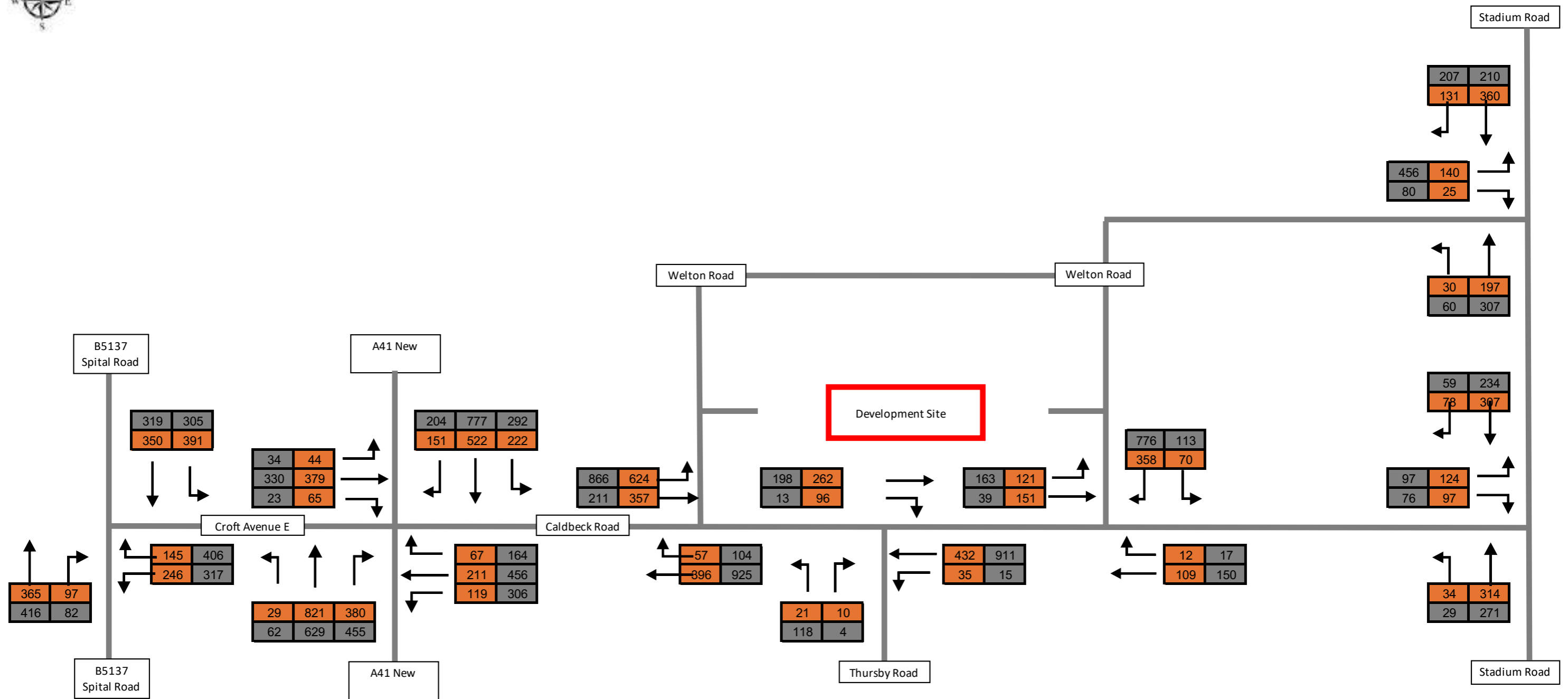


Figure Title	2018 Base		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	I
Prepared:	KK	Checked:	MA

**Legend**  
 AM Peak Hour (08:30 - 09:30)  
 PM Peak Hour (16:30 - 17:30)

Note: All flows are in PCUs



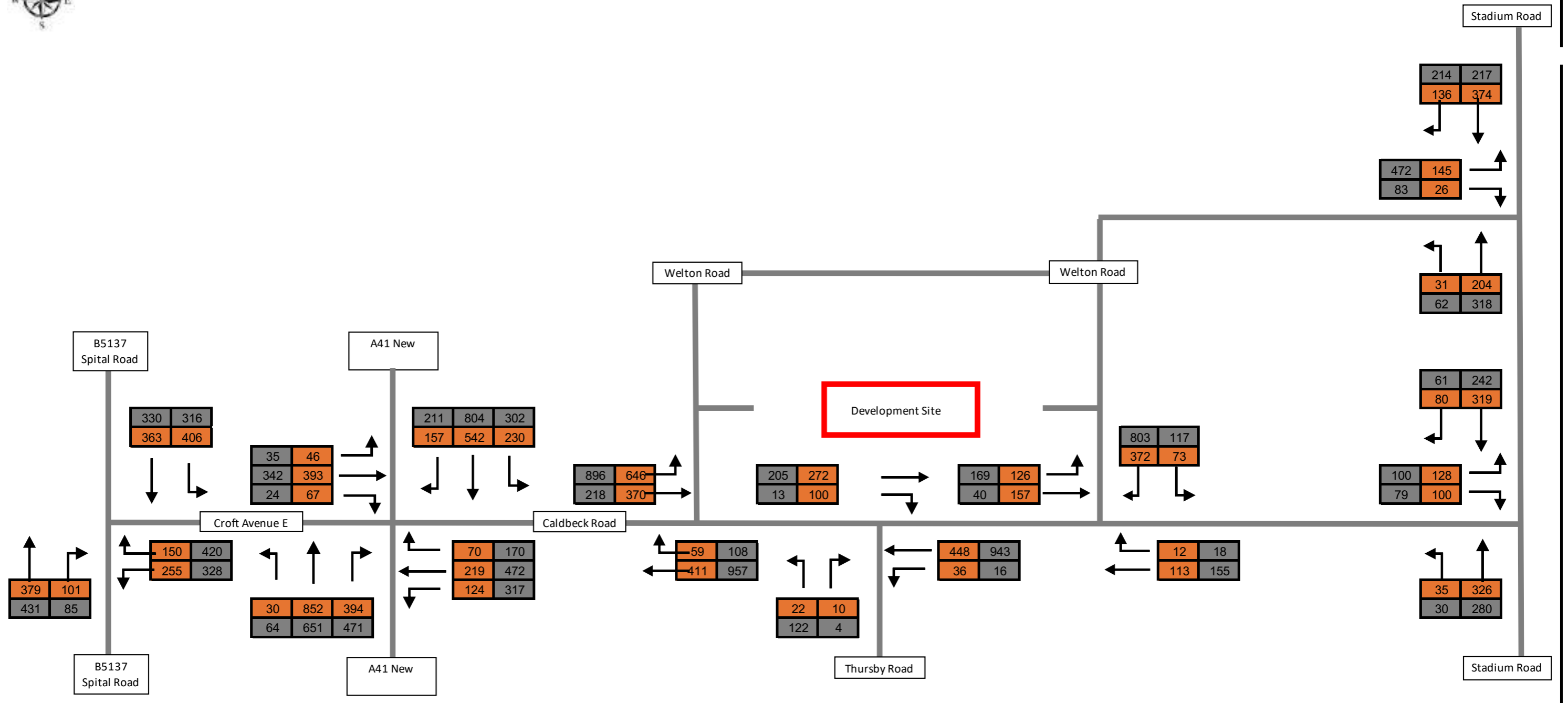


Figure Title	2020 Base		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	2
Prepared:	KK	Checked:	MA

<b>Legend</b>		<b>Growth Factor</b>	
	AM Peak Hour (08:30 - 09:30)	AM	1.0379
	PM Peak Hour (16:30 - 17:30)	PM	1.0350



Note: All flows are in PCUs



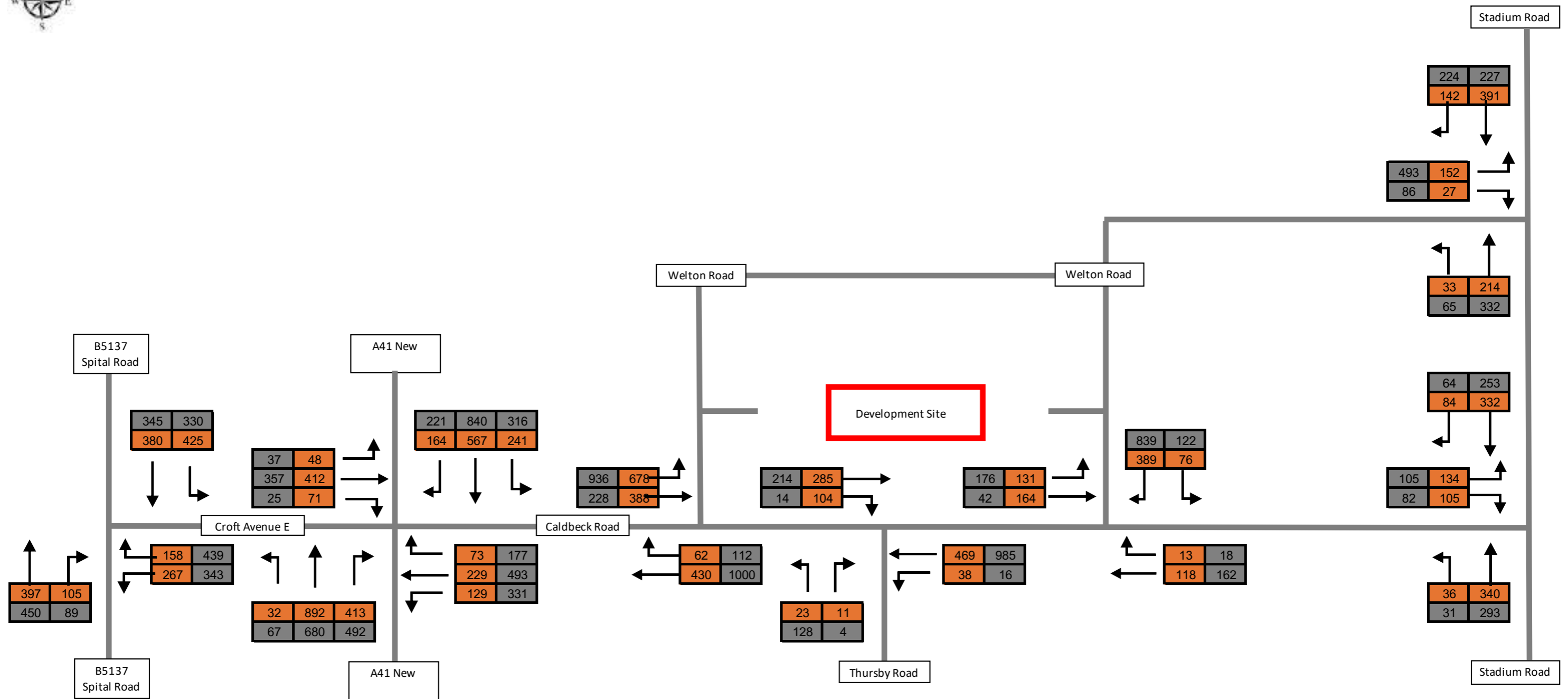




Figure Title	2023 Base		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	3
Prepared:	KK	Checked:	MA

**Legend**

 AM Peak Hour (08:30 - 09:30)  
 PM Peak Hour (16:30 - 17:30)

**Growth Factor**

AM 1.0867  
 PM 1.0811

Note: All flows are in PCUs



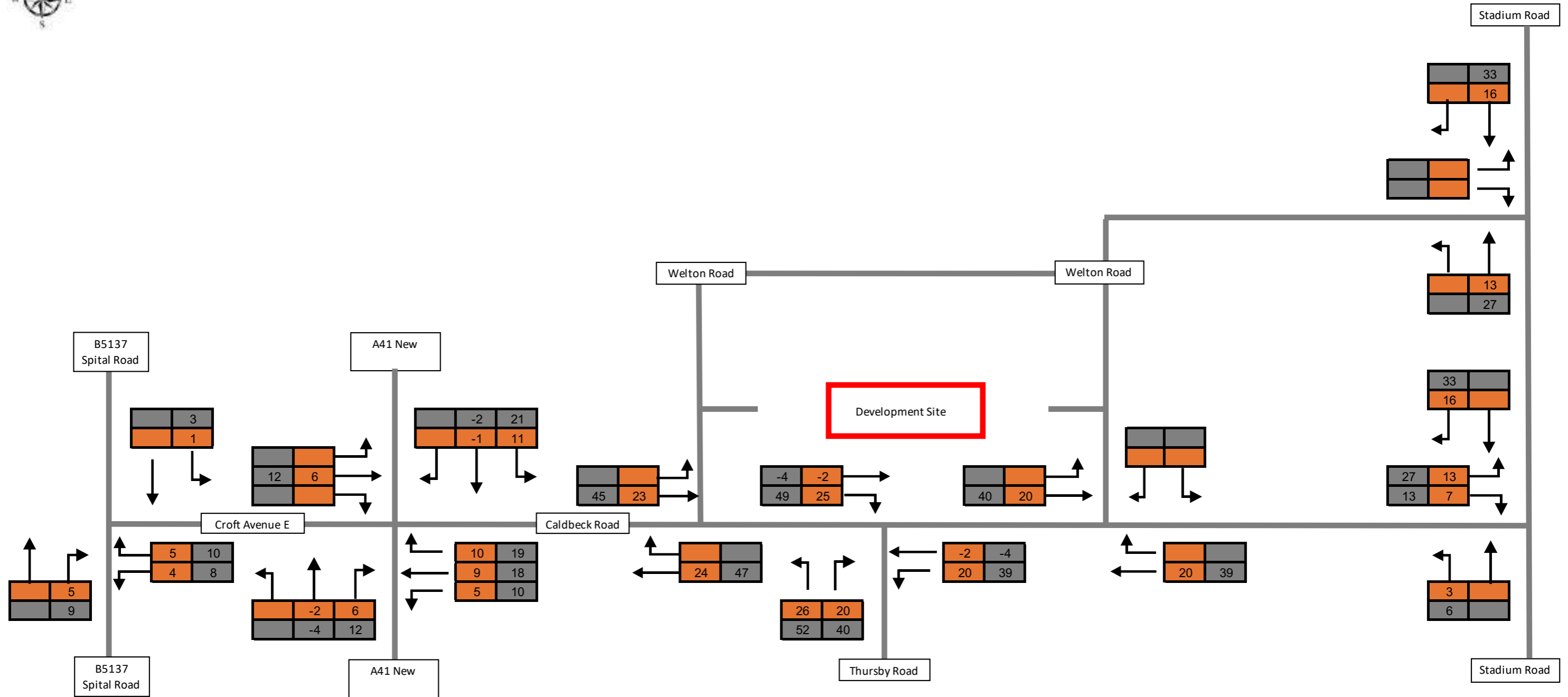


Figure Title	Committed Development		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	4
Prepared:	KK	Checked:	MA

**Legend**  
 AM Peak Hour (08:30 - 09:30)  
 PM Peak Hour (16:00 - 17:00)

Note: All flows are in PCUs



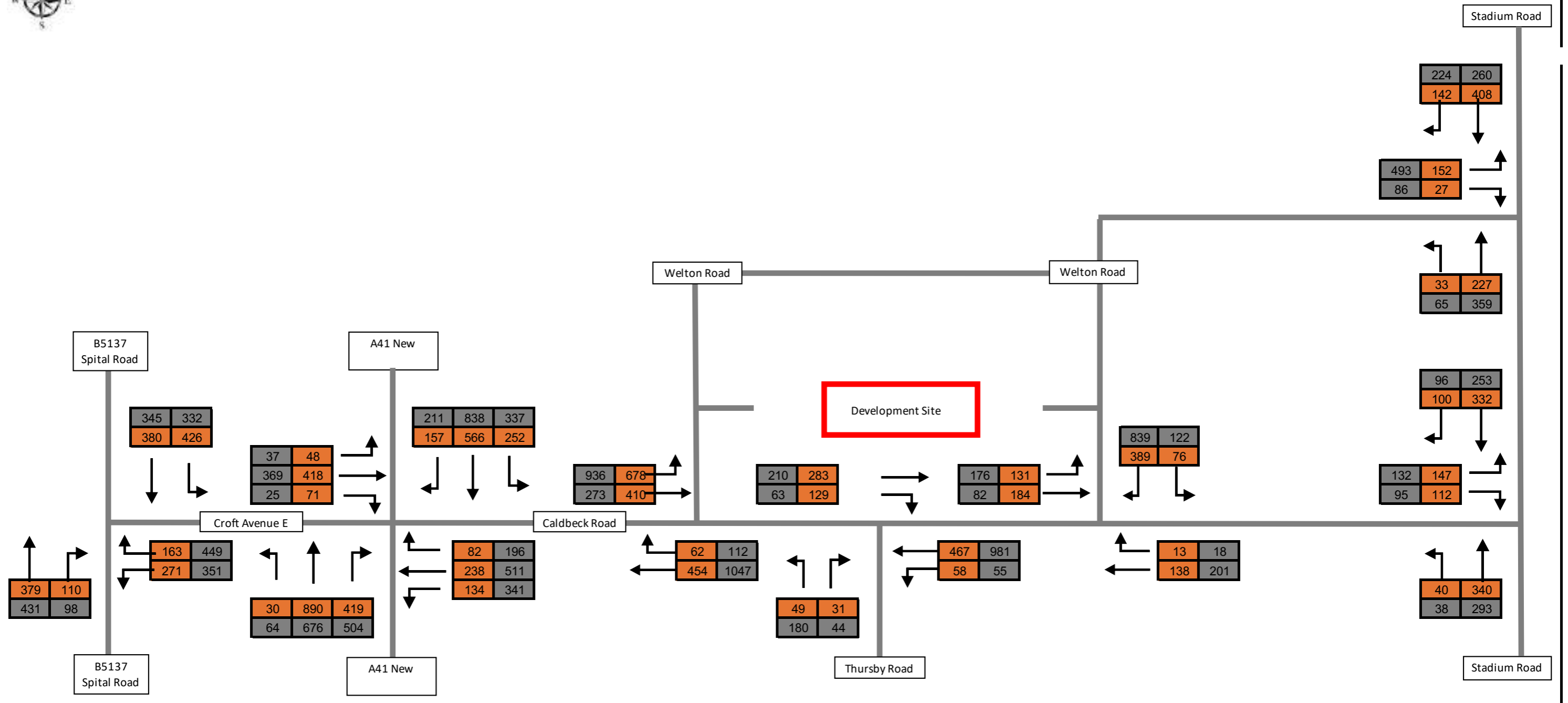


Figure Title	2026 Base + CD		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	6
Prepared:	KK	Checked:	MA

<b>Legend</b>		<b>Growth Factor</b>	
	AM Peak Hour (08:30 - 09:30)	AM	1.0379
	PM Peak Hour (16:30 - 17:30)	PM	1.0350



Note: All flows are in PCUs

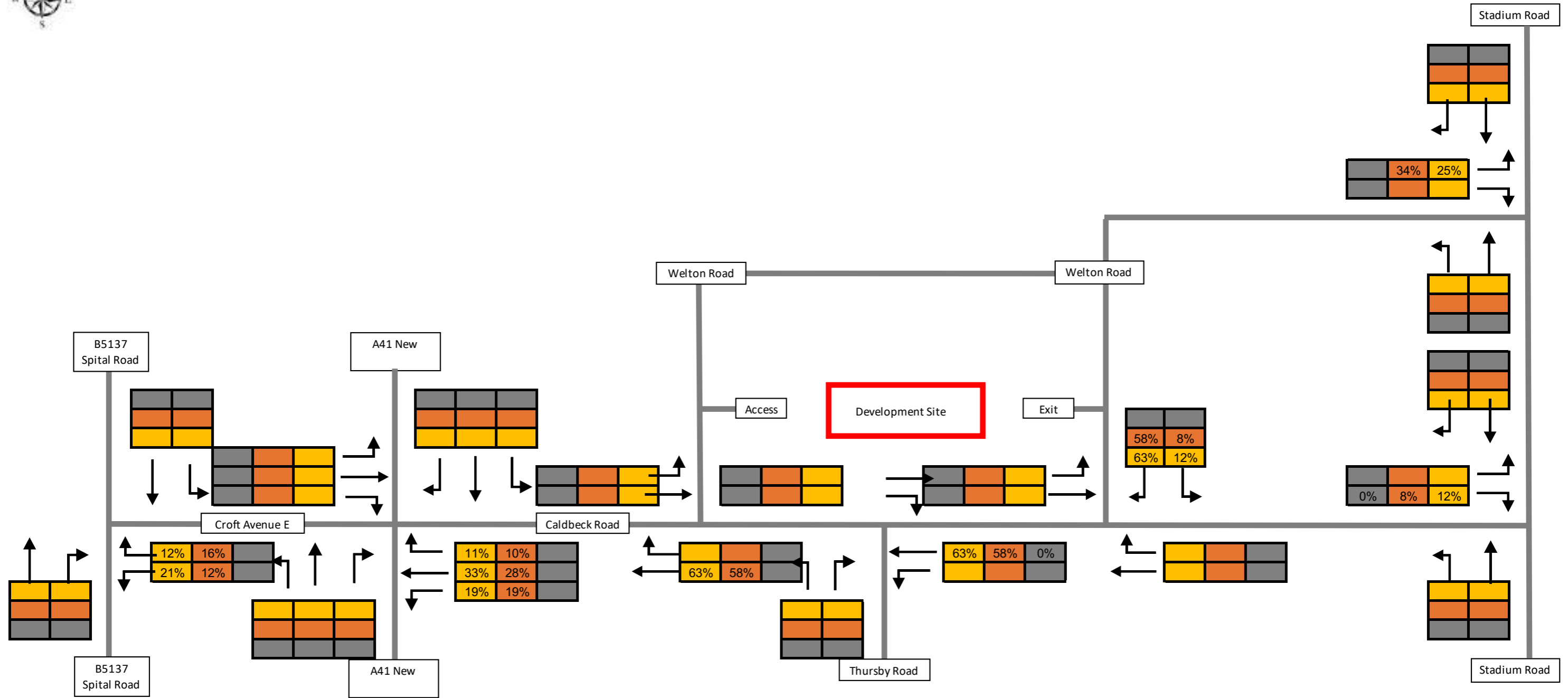


Figure Title	Trip Distribution (departures)		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	7
Prepared:	KK	Checked:	MA

**Legend**  
 AM Peak Hour  
 PM Peak Hour

Note: All flows are in PCUs



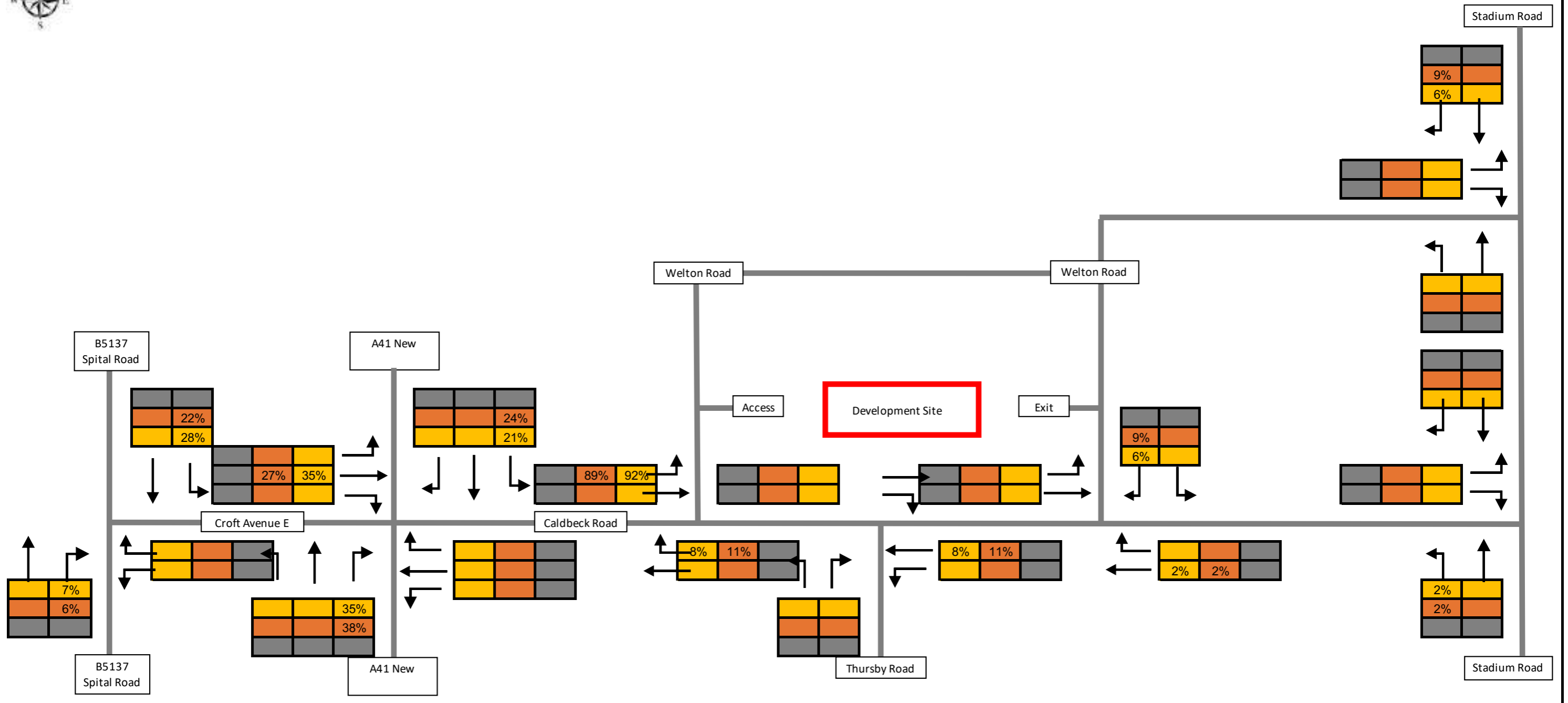


Figure Title	Trip Distribution (arrivals)		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	8
Prepared:	KK	Checked:	MA

**Legend**  
 AM Peak Hour  
 PM Peak Hour

Note: All flows are in PCUs



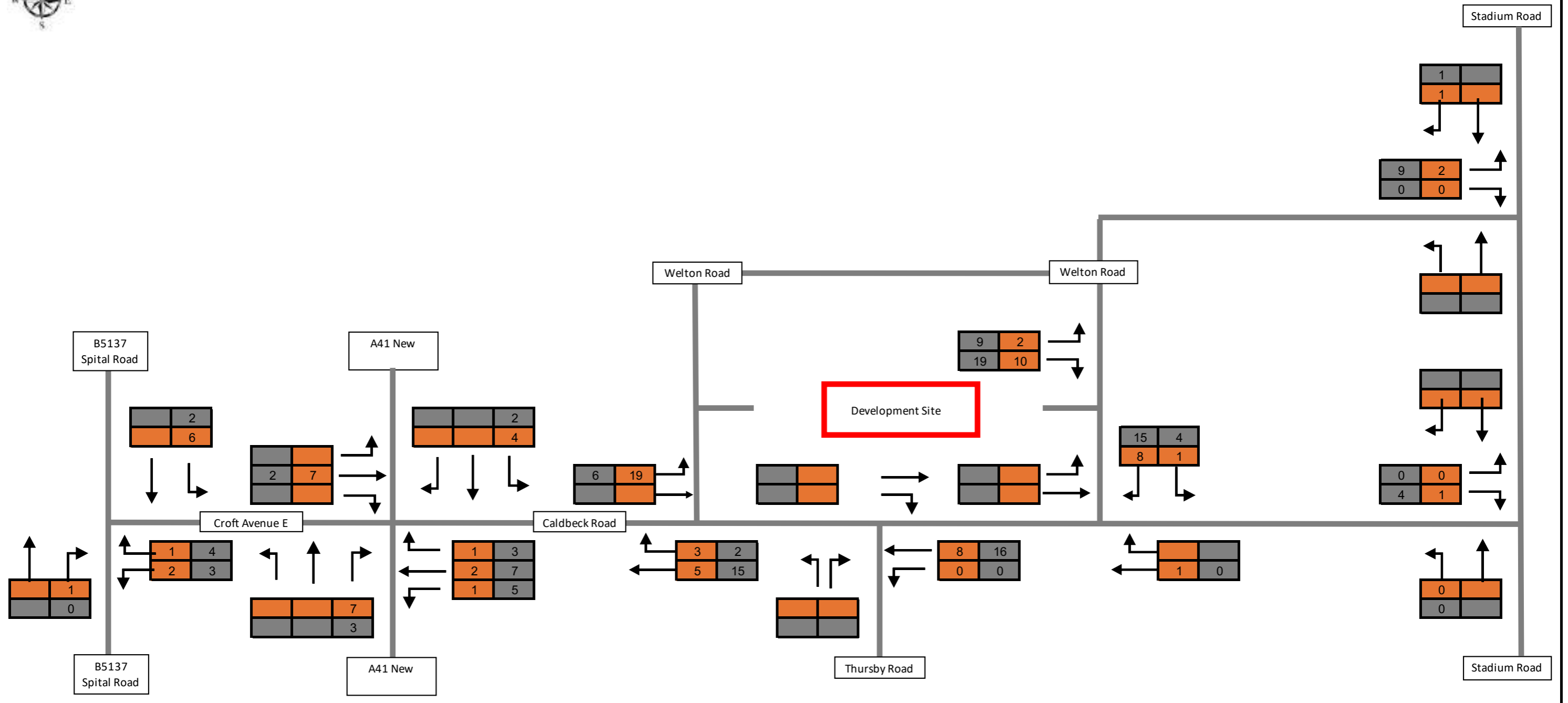


Figure Title	Total Development Trips		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	9
Prepared:	KK	Checked:	MA

**Legend**

AM Peak Hour  
 PM Peak Hour

**Arrivals Departures**

20	7
7	25

Note: All flows are in PCUs  
 Note: Drive Thru Assumes 10% New Trips



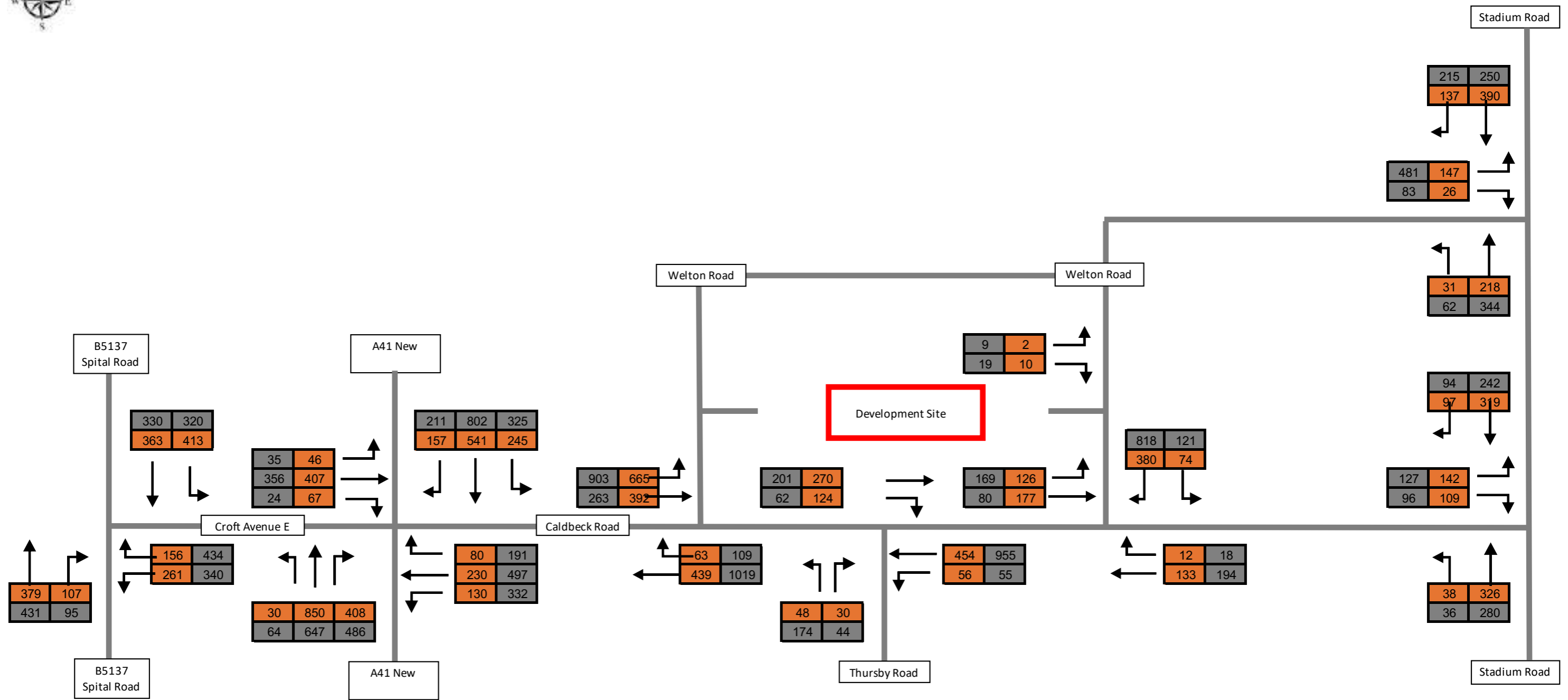


Figure Title	2021 Base + CD + Dev		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	I0
Prepared:	KK	Checked:	MA

**Legend**  
 AM Peak Hour  
 PM Peak Hour



Note: All flows are in PCUs

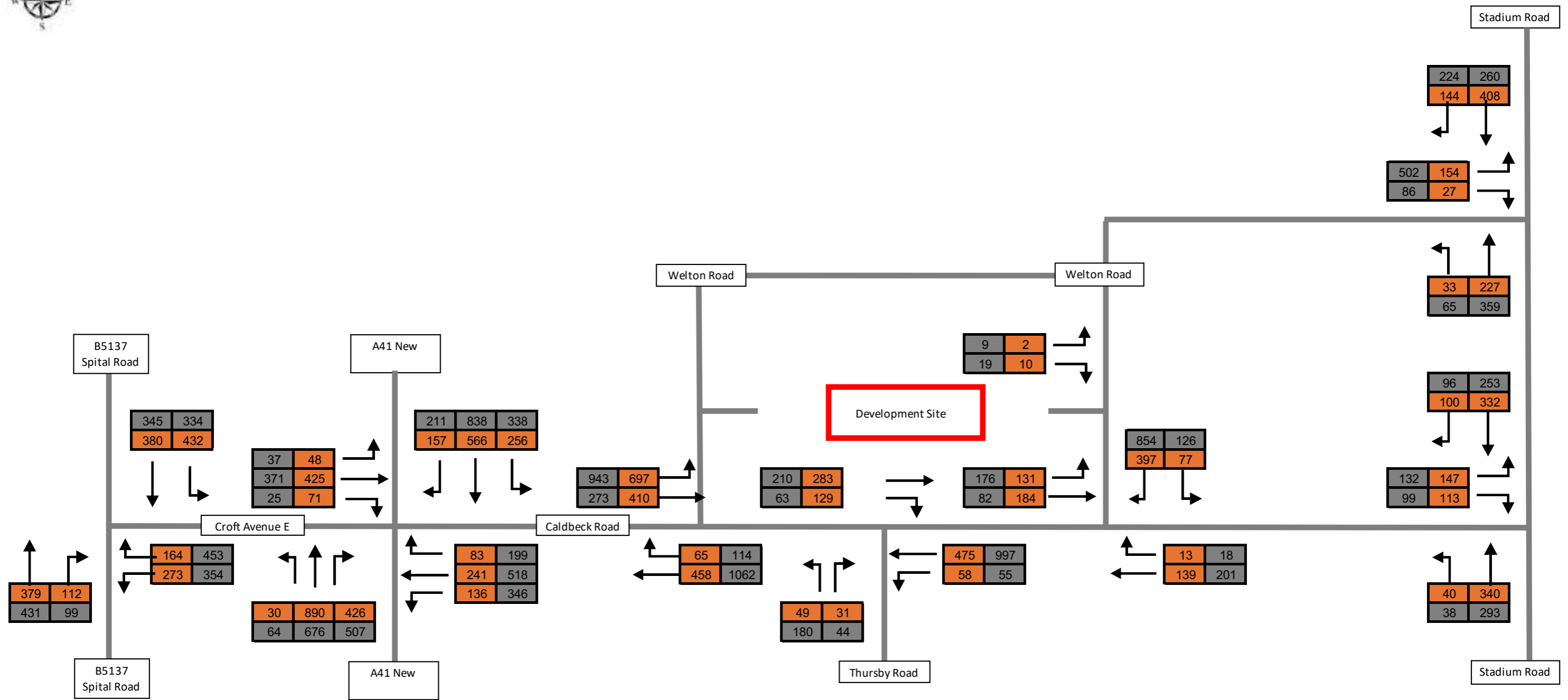


Figure Title	2026 Base + CD + Dev		
Job Title	Croft Retail Park		
Job Number	J325601		
Date:	07/05/2021	Diagram:	II
Prepared:	KK	Checked:	MA

**Legend**  
 AM Peak Hour  
 PM Peak Hour

Note: All flows are in PCUs





# APPENDIX G

Traffic Survey Data

617-18 Bromborough  
Classified Junction Count

Site 1 of 6  
Croft Avenue East  
B5137 Spital Road (South)  
B5137 Spital Road (North)

Lat/Long  
lat 53.336573° lon -2.981071°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 1.1: Left from Croft Avenue East to B5137 Spital Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	15	0	2	0	0	3	20	23.00
0715 - 0730	0	0	19	0	7	1	0	2	29	31.50
0730 - 0745	0	0	20	0	1	0	0	1	22	23.00
0745 - 0800	0	0	17	0	2	0	0	5	24	29.00
Hourly Total	0	0	71	0	12	1	0	11	95	106.50
Hourly Average	0.00	0.00	17.75	0.00	3.00	0.25	0.00	2.75	23.75	26.63
0800 - 0815	0	0	22	0	3	0	0	2	27	29.00
0815 - 0830	0	0	27	0	4	0	0	5	36	41.00
0830 - 0845	0	0	50	1	2	1	0	3	57	60.50
0845 - 0900	0	0	55	0	5	0	0	2	62	64.00
Hourly Total	0	0	154	1	14	1	0	12	182	194.50
Hourly Average	0.00	0.00	38.50	0.25	3.50	0.25	0.00	3.00	45.50	48.63
0900 - 0915	0	0	47	0	5	0	0	1	53	54.00
0915 - 0930	0	0	50	0	6	1	0	5	62	67.50
0930 - 0945	0	0	28	0	3	1	0	3	35	38.50
0945 - 1000	0	0	34	0	5	1	0	2	42	44.50
Hourly Total	0	0	159	0	19	3	0	11	192	204.50
Hourly Average	0.00	0.00	39.75	0.00	4.75	0.75	0.00	2.75	48.00	51.13
1000 - 1015	0	0	35	0	3	1	0	2	41	43.50
1015 - 1030	0	0	49	0	6	0	0	4	59	63.00
1030 - 1045	0	0	49	0	2	1	0	1	53	54.50
1045 - 1100	0	0	46	0	5	1	0	1	53	54.50
Hourly Total	0	0	179	0	16	3	0	8	206	215.50
Hourly Average	0.00	0.00	44.75	0.00	4.00	0.75	0.00	2.00	51.50	53.88
1100 - 1115	0	0	55	0	1	0	0	6	62	68.00
1115 - 1130	0	1	54	0	6	1	0	3	65	67.90
1130 - 1145	0	0	56	0	4	1	0	2	63	65.50
1145 - 1200	0	0	65	0	1	0	0	4	70	74.00
Hourly Total	0	1	230	0	12	2	0	15	260	275.40
Hourly Average	0.00	0.25	57.50	0.00	3.00	0.50	0.00	3.75	65.00	68.85
1200 - 1215	0	0	67	0	3	2	0	0	72	73.00
1215 - 1230	0	0	55	1	7	1	0	5	69	74.50
1230 - 1245	0	0	58	0	2	1	0	3	64	67.50
1245 - 1300	0	0	55	0	5	0	1	2	63	66.30
Hourly Total	0	0	235	1	17	4	1	10	268	281.30
Hourly Average	0.00	0.00	58.75	0.25	4.25	1.00	0.25	2.50	67.00	70.33
1300 - 1315	0	1	85	0	7	2	0	1	96	97.40
1315 - 1330	0	0	68	1	4	0	0	3	76	79.00
1330 - 1345	0	1	59	0	5	1	0	3	69	71.90
1345 - 1400	0	0	58	0	3	2	0	3	66	70.00
Hourly Total	0	2	270	1	19	5	0	10	307	318.30
Hourly Average	0.00	0.50	67.50	0.25	4.75	1.25	0.00	2.50	76.75	79.58
1400 - 1415	0	0	53	0	5	1	0	3	62	65.50
1415 - 1430	0	0	77	0	3	0	0	3	83	86.00
1430 - 1445	0	1	60	0	3	0	0	3	67	69.40
1445 - 1500	0	0	76	0	3	0	0	4	83	87.00
Hourly Total	0	1	266	0	14	1	0	13	295	307.90
Hourly Average	0.00	0.25	66.50	0.00	3.50	0.25	0.00	3.25	73.75	76.98
1500 - 1515	0	0	53	0	1	2	0	0	56	57.00
1515 - 1530	0	0	72	0	0	0	0	0	72	72.00
1530 - 1545	0	0	55	0	3	0	0	2	60	62.00
1545 - 1600	0	0	63	2	6	0	0	4	75	79.00
Hourly Total	0	0	243	2	10	2	0	6	263	270.00
Hourly Average	0.00	0.00	60.75	0.50	2.50	0.50	0.00	1.50	65.75	67.50
1600 - 1615	0	0	57	1	10	0	0	0	68	68.00
1615 - 1630	0	0	62	0	4	1	0	4	71	75.50
1630 - 1645	0	1	78	0	4	0	0	1	84	84.40
1645 - 1700	0	2	68	0	6	0	0	3	79	80.80
Hourly Total	0	3	265	1	24	1	0	8	302	308.70
Hourly Average	0.00	0.75	66.25	0.25	6.00	0.25	0.00	2.00	75.50	77.18
1700 - 1715	0	0	63	0	4	0	0	4	71	75.00
1715 - 1730	1	3	65	0	4	0	0	3	76	76.40
1730 - 1745	0	0	58	0	3	0	0	2	63	65.00
1745 - 1800	0	0	55	0	2	1	0	3	61	64.50
Hourly Total	1	3	241	0	13	1	0	12	271	280.90
Hourly Average	0.25	0.75	60.25	0.00	3.25	0.25	0.00	3.00	67.75	70.23
1800 - 1815	0	0	62	0	2	0	0	3	67	70.00
1815 - 1830	0	0	51	0	3	0	0	3	57	60.00
1830 - 1845	0	1	51	0	3	0	0	2	57	58.40
1845 - 1900	0	0	53	0	2	0	0	3	58	61.00
Hourly Total	0	1	217	0	10	0	0	11	239	249.40
Hourly Average	0.00	0.25	54.25	0.00	2.50	0.00	0.00	2.75	59.75	62.35
Session Total	1	11	2530	6	180	24	1	127	2880	3012.90
Session Average	0.02	0.23	52.71	0.13	3.75	0.50	0.02	2.65	60.00	62.77

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 1.1: Left from Croft Avenue East to B5137 Spital Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	6	0	0	0	0	0	6	6.00
0715 - 0730	0	0	6	0	1	0	0	5	12	17.00
0730 - 0745	0	1	10	0	1	1	0	0	13	12.90
0745 - 0800	0	0	9	0	0	0	0	3	12	15.00
Hourly Total	0	1	31	0	2	1	0	8	43	50.90
Hourly Average	0.00	0.25	7.75	0.00	0.50	0.25	0.00	2.00	10.75	12.73
0800 - 0815	0	0	9	0	2	0	0	3	14	17.00
0815 - 0830	0	0	22	0	0	0	0	3	25	28.00
0830 - 0845	0	0	16	0	0	0	0	1	17	18.00
0845 - 0900	0	0	27	0	4	0	0	4	35	39.00
Hourly Total	0	0	74	0	6	0	0	11	91	102.00
Hourly Average	0.00	0.00	18.50	0.00	1.50	0.00	0.00	2.75	22.75	25.50
0900 - 0915	0	0	37	0	1	0	0	3	41	44.00
0915 - 0930	0	2	47	0	6	1	0	1	57	57.30
0930 - 0945	0	0	47	0	4	0	0	1	52	53.00
0945 - 1000	0	0	43	0	1	0	0	4	48	52.00
Hourly Total	0	2	174	0	12	1	0	9	198	206.30
Hourly Average	0.00	0.50	43.50	0.00	3.00	0.25	0.00	2.25	49.50	51.58
1000 - 1015	0	0	44	0	2	0	0	2	48	50.00
1015 - 1030	0	0	45	0	1	0	0	1	47	48.00
1030 - 1045	0	1	55	0	2	1	0	4	63	66.90
1045 - 1100	0	0	50	0	8	0	0	1	59	60.00
Hourly Total	0	1	194	0	13	1	0	8	217	224.90
Hourly Average	0.00	0.25	48.50	0.00	3.25	0.25	0.00	2.00	54.25	56.23
1100 - 1115	0	0	61	0	1	1	0	2	65	67.50
1115 - 1130	0	0	62	0	5	0	0	3	70	73.00
1130 - 1145	0	0	42	0	3	1	0	3	49	52.50
1145 - 1200	0	0	42	0	6	0	0	3	51	54.00
Hourly Total	0	0	207	0	15	2	0	11	235	247.00
Hourly Average	0.00	0.00	51.75	0.00	3.75	0.50	0.00	2.75	58.75	61.75
1200 - 1215	0	0	49	0	2	0	0	2	53	55.00
1215 - 1230	0	0	63	0	4	0	0	3	70	73.00
1230 - 1245	0	1	54	0	1	0	0	0	56	55.40
1245 - 1300	0	0	77	0	1	0	0	4	82	86.00
Hourly Total	0	1	243	0	8	0	0	9	261	269.40
Hourly Average	0.00	0.25	60.75	0.00	2.00	0.00	0.00	2.25	65.25	67.35
1300 - 1315	0	0	57	0	1	0	0	1	59	60.00
1315 - 1330	0	0	67	0	3	0	0	1	71	72.00
1330 - 1345	0	0	62	0	5	0	0	5	72	77.00
1345 - 1400	0	0	61	0	2	0	0	2	65	67.00
Hourly Total	0	0	247	0	11	0	0	9	267	276.00
Hourly Average	0.00	0.00	61.75	0.00	2.75	0.00	0.00	2.25	66.75	69.00
1400 - 1415	0	0	57	0	1	1	0	3	62	65.50
1415 - 1430	0	0	47	0	1	0	0	1	49	50.00
1430 - 1445	0	0	56	0	4	0	0	3	63	66.00
1445 - 1500	0	0	60	0	5	0	0	3	68	71.00
Hourly Total	0	0	220	0	11	1	0	10	242	252.50
Hourly Average	0.00	0.00	55.00	0.00	2.75	0.25	0.00	2.50	60.50	63.13
1500 - 1515	0	0	60	0	6	0	0	3	69	72.00
1515 - 1530	0	0	54	0	3	0	0	3	60	63.00
1530 - 1545	0	1	76	0	1	0	0	2	80	81.40
1545 - 1600	0	1	52	0	1	0	0	0	54	53.40
Hourly Total	0	2	242	0	11	0	0	8	263	269.80
Hourly Average	0.00	0.50	60.50	0.00	2.75	0.00	0.00	2.00	65.75	67.45
1600 - 1615	0	1	47	0	2	0	0	4	54	57.40
1615 - 1630	0	0	53	0	2	0	0	2	57	59.00
1630 - 1645	0	0	51	0	3	0	0	3	57	60.00
1645 - 1700	0	0	46	0	0	0	0	2	48	50.00
Hourly Total	0	1	197	0	7	0	0	11	216	226.40
Hourly Average	0.00	0.25	49.25	0.00	1.75	0.00	0.00	2.75	54.00	56.60
1700 - 1715	0	0	56	0	2	0	0	0	58	58.00
1715 - 1730	0	0	59	0	2	0	0	4	65	69.00
1730 - 1745	0	0	51	0	1	0	0	4	56	60.00
1745 - 1800	0	0	47	0	3	0	0	2	52	54.00
Hourly Total	0	0	213	0	8	0	0	10	231	241.00
Hourly Average	0.00	0.00	53.25	0.00	2.00	0.00	0.00	2.50	57.75	60.25
1800 - 1815	0	0	47	0	1	0	0	2	50	52.00
1815 - 1830	0	1	41	0	2	0	0	3	47	49.40
1830 - 1845	0	0	43	0	1	0	0	3	47	50.00
1845 - 1900	0	0	38	0	2	0	0	1	41	42.00
Hourly Total	0	1	169	0	6	0	0	9	185	193.40
Hourly Average	0.00	0.25	42.25	0.00	1.50	0.00	0.00	2.25	46.25	48.35
Session Total	0	9	2211	0	110	6	0	113	2449	2559.60
Session Average	0.00	0.19	46.06	0.00	2.29	0.13	0.00	2.35	51.02	53.33

617-18 Bromborough  
Classified Junction Count

Site 1 of 6  
Croft Avenue East  
B5137 Spital Road (South)  
B5137 Spital Road (North)

Lat/Long  
lat 53.336573° lon -2.981071°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 1.2: Right from Croft Avenue East to B5137 Spital Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	15	0	1	1	0	0	17	17.50
0715 - 0730	0	1	10	0	2	0	0	0	13	12.40
0730 - 0745	1	0	11	0	3	1	0	0	16	15.70
0745 - 0800	0	0	17	1	5	0	0	0	23	23.00
Hourly Total	1	1	53	1	11	2	0	0	69	68.60
Hourly Average	0.25	0.25	13.25	0.25	2.75	0.50	0.00	0.00	17.25	17.15
0800 - 0815	0	0	26	0	2	0	0	0	28	28.00
0815 - 0830	0	0	18	2	4	0	0	1	25	26.00
0830 - 0845	0	0	25	0	5	2	1	0	33	35.30
0845 - 0900	0	0	16	0	6	4	0	0	26	28.00
Hourly Total	0	0	85	2	17	6	1	1	112	117.30
Hourly Average	0.00	0.00	21.25	0.50	4.25	1.50	0.25	0.25	28.00	29.33
0900 - 0915	0	0	21	0	13	0	0	0	34	34.00
0915 - 0930	0	0	41	0	4	0	1	0	46	47.30
0930 - 0945	0	0	33	1	9	0	0	0	43	43.00
0945 - 1000	0	0	40	0	8	1	0	0	49	49.50
Hourly Total	0	0	135	1	34	1	1	0	172	173.80
Hourly Average	0.00	0.00	33.75	0.25	8.50	0.25	0.25	0.00	43.00	43.45
1000 - 1015	0	3	49	0	12	0	0	0	64	62.20
1015 - 1030	0	0	41	0	8	2	0	0	51	52.00
1030 - 1045	0	0	57	0	21	2	0	0	80	81.00
1045 - 1100	0	0	66	0	6	2	0	0	74	75.00
Hourly Total	0	3	213	0	47	6	0	0	269	270.20
Hourly Average	0.00	0.75	53.25	0.00	11.75	1.50	0.00	0.00	67.25	67.55
1100 - 1115	0	0	60	0	8	1	0	0	69	69.50
1115 - 1130	0	0	78	0	6	1	1	0	86	87.80
1130 - 1145	0	0	65	0	5	0	0	0	70	70.00
1145 - 1200	0	0	77	0	6	1	0	0	84	84.50
Hourly Total	0	0	280	0	25	3	1	0	309	311.80
Hourly Average	0.00	0.00	70.00	0.00	6.25	0.75	0.25	0.00	77.25	77.95
1200 - 1215	0	0	101	0	5	0	1	0	107	108.30
1215 - 1230	0	0	61	0	6	0	1	0	68	69.30
1230 - 1245	0	0	88	0	8	2	0	0	98	99.00
1245 - 1300	0	1	84	0	4	1	0	1	91	91.90
Hourly Total	0	1	334	0	23	3	2	1	364	368.50
Hourly Average	0.00	0.25	83.50	0.00	5.75	0.75	0.50	0.25	91.00	92.13
1300 - 1315	1	0	72	1	4	0	0	0	78	77.20
1315 - 1330	0	0	69	0	7	0	0	0	76	76.00
1330 - 1345	0	0	78	0	3	0	0	0	81	81.00
1345 - 1400	0	0	74	0	11	1	0	0	86	86.50
Hourly Total	1	0	293	1	25	1	0	0	321	320.70
Hourly Average	0.25	0.00	73.25	0.25	6.25	0.25	0.00	0.00	80.25	80.18
1400 - 1415	0	0	80	0	10	0	0	0	90	90.00
1415 - 1430	0	0	78	1	4	0	0	0	83	83.00
1430 - 1445	0	0	78	0	9	0	0	0	87	87.00
1445 - 1500	0	0	82	0	9	0	0	0	91	91.00
Hourly Total	0	0	318	1	32	0	0	0	351	351.00
Hourly Average	0.00	0.00	79.50	0.25	8.00	0.00	0.00	0.00	87.75	87.75
1500 - 1515	0	0	115	0	6	2	0	0	123	124.00
1515 - 1530	1	1	75	0	12	1	0	6	96	101.10
1530 - 1545	0	0	89	0	6	0	0	0	95	95.00
1545 - 1600	0	0	90	0	6	1	0	0	97	97.50
Hourly Total	1	1	369	0	30	4	0	6	411	417.60
Hourly Average	0.25	0.25	92.25	0.00	7.50	1.00	0.00	1.50	102.75	104.40
1600 - 1615	0	0	106	0	5	0	0	2	113	115.00
1615 - 1630	0	0	79	0	7	0	0	0	86	86.00
1630 - 1645	0	0	95	0	5	0	0	0	100	100.00
1645 - 1700	0	0	80	1	5	0	0	0	86	86.00
Hourly Total	0	0	360	1	22	0	0	2	385	387.00
Hourly Average	0.00	0.00	90.00	0.25	5.50	0.00	0.00	0.50	96.25	96.75
1700 - 1715	0	0	108	0	3	0	0	0	111	111.00
1715 - 1730	0	0	98	2	5	0	0	2	107	109.00
1730 - 1745	1	0	96	0	3	0	0	0	100	99.20
1745 - 1800	0	0	78	0	4	0	0	0	82	82.00
Hourly Total	1	0	380	2	15	0	0	2	400	401.20
Hourly Average	0.25	0.00	95.00	0.50	3.75	0.00	0.00	0.50	100.00	100.30
1800 - 1815	0	0	83	0	3	0	0	0	86	86.00
1815 - 1830	1	0	76	0	0	0	0	1	78	78.20
1830 - 1845	0	0	78	0	1	0	0	0	79	79.00
1845 - 1900	0	0	84	0	2	0	0	0	86	86.00
Hourly Total	1	0	321	0	6	0	0	1	329	329.20
Hourly Average	0.25	0.00	80.25	0.00	1.50	0.00	0.00	0.25	82.25	82.30
Session Total	5	6	3141	9	287	26	5	13	3492	3516.90
Session Average	0.10	0.13	65.44	0.19	5.98	0.54	0.10	0.27	72.75	73.27

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 1.2: Right from Croft Avenue East to B5137 Spital Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	7	0	1	0	0	0	8	8.00
0715 - 0730	0	0	5	0	1	1	0	0	7	7.50
0730 - 0745	0	0	2	0	1	1	0	0	4	4.50
0745 - 0800	0	0	6	0	2	0	0	0	8	8.00
Hourly Total	0	0	20	0	5	2	0	0	27	28.00
Hourly Average	0.00	0.00	5.00	0.00	1.25	0.50	0.00	0.00	6.75	7.00
0800 - 0815	0	0	11	0	2	0	0	0	13	13.00
0815 - 0830	0	0	17	0	3	0	0	0	20	20.00
0830 - 0845	0	0	14	0	4	0	0	0	18	18.00
0845 - 0900	0	0	22	0	1	1	0	0	24	24.50
Hourly Total	0	0	64	0	10	1	0	0	75	75.50
Hourly Average	0.00	0.00	16.00	0.00	2.50	0.25	0.00	0.00	18.75	18.88
0900 - 0915	0	0	31	1	4	0	0	0	36	36.00
0915 - 0930	0	0	29	0	0	0	0	0	29	29.00
0930 - 0945	0	0	29	0	3	0	0	0	32	32.00
0945 - 1000	0	0	39	0	2	0	0	0	41	41.00
Hourly Total	0	0	128	1	9	0	0	0	138	138.00
Hourly Average	0.00	0.00	32.00	0.25	2.25	0.00	0.00	0.00	34.50	34.50
1000 - 1015	0	0	55	0	3	0	0	0	58	58.00
1015 - 1030	0	0	60	0	5	0	0	0	65	65.00
1030 - 1045	0	0	51	0	2	0	0	0	53	53.00
1045 - 1100	0	0	62	0	3	0	0	1	66	67.00
Hourly Total	0	0	228	0	13	0	0	1	242	243.00
Hourly Average	0.00	0.00	57.00	0.00	3.25	0.00	0.00	0.25	60.50	60.75
1100 - 1115	0	1	65	0	4	1	0	0	71	70.90
1115 - 1130	0	0	77	0	6	0	0	0	83	83.00
1130 - 1145	0	0	74	0	8	0	0	0	82	82.00
1145 - 1200	0	2	80	0	5	0	0	0	87	85.80
Hourly Total	0	3	296	0	23	1	0	0	323	321.70
Hourly Average	0.00	0.75	74.00	0.00	5.75	0.25	0.00	0.00	80.75	80.43
1200 - 1215	0	0	81	0	4	0	0	0	85	85.00
1215 - 1230	0	0	87	0	2	0	0	0	89	89.00
1230 - 1245	0	0	98	0	6	0	0	0	104	104.00
1245 - 1300	0	0	91	0	4	0	0	0	95	95.00
Hourly Total	0	0	357	0	16	0	0	0	373	373.00
Hourly Average	0.00	0.00	89.25	0.00	4.00	0.00	0.00	0.00	93.25	93.25
1300 - 1315	0	0	85	0	1	0	0	0	86	86.00
1315 - 1330	0	0	103	0	3	0	0	0	106	106.00
1330 - 1345	0	0	91	0	1	0	0	0	92	92.00
1345 - 1400	0	0	91	0	3	0	0	0	94	94.00
Hourly Total	0	0	370	0	8	0	0	0	378	378.00
Hourly Average	0.00	0.00	92.50	0.00	2.00	0.00	0.00	0.00	94.50	94.50
1400 - 1415	0	0	90	0	3	0	0	0	93	93.00
1415 - 1430	0	0	103	0	3	0	0	1	107	108.00
1430 - 1445	0	0	89	1	3	0	0	0	93	93.00
1445 - 1500	0	0	82	0	3	0	0	0	85	85.00
Hourly Total	0	0	364	1	12	0	0	1	378	379.00
Hourly Average	0.00	0.00	91.00	0.25	3.00	0.00	0.00	0.25	94.50	94.75
1500 - 1515	0	1	101	0	1	0	0	1	104	104.40
1515 - 1530	0	1	95	0	2	0	0	0	98	97.40
1530 - 1545	0	2	97	0	1	0	0	0	100	98.80
1545 - 1600	0	0	101	0	4	0	0	0	105	105.00
Hourly Total	0	4	394	0	8	0	0	1	407	405.60
Hourly Average	0.00	1.00	98.50	0.00	2.00	0.00	0.00	0.25	101.75	101.40
1600 - 1615	0	0	103	0	1	0	0	1	105	106.00
1615 - 1630	0	1	98	0	5	0	0	0	104	103.40
1630 - 1645	0	0	109	1	1	0	0	0	111	111.00
1645 - 1700	0	0	96	1	2	0	0	0	99	99.00
Hourly Total	0	1	406	2	9	0	0	1	419	419.40
Hourly Average	0.00	0.25	101.50	0.50	2.25	0.00	0.00	0.25	104.75	104.85
1700 - 1715	0	0	92	0	1	0	0	2	95	97.00
1715 - 1730	0	0	95	0	1	0	0	0	96	96.00
1730 - 1745	0	0	88	0	2	0	0	0	90	90.00
1745 - 1800	0	0	71	0	0	0	0	0	71	71.00
Hourly Total	0	0	346	0	4	0	0	2	352	354.00
Hourly Average	0.00	0.00	86.50	0.00	1.00	0.00	0.00	0.50	88.00	88.50
1800 - 1815	0	0	87	1	5	0	0	0	93	93.00
1815 - 1830	0	0	68	0	2	0	0	0	70	70.00
1830 - 1845	0	1	68	0	3	0	0	0	72	71.40
1845 - 1900	0	0	44	0	1	0	0	0	45	45.00
Hourly Total	0	1	267	1	11	0	0	0	280	279.40
Hourly Average	0.00	0.25	66.75	0.25	2.75	0.00	0.00	0.00	70.00	69.85
Session Total	0	9	3240	5	128	4	0	6	3392	3394.60
Session Average	0.00	0.19	67.50	0.10	2.67	0.08	0.00	0.13	70.67	70.72

617-18 Bromborough  
Classified Junction Count

Site 1 of 6  
Croft Avenue East  
B5137 Spital Road (South)  
B5137 Spital Road (North)

Lat/Long  
lat 53.336573° lon -2.981071°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 1.3: Northbound from B5137 Spital Road (South) to B5137 Spital Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	1	34	0	4	0	0	0	39	38.40
0715 - 0730	0	2	25	0	4	0	0	0	31	29.80
0730 - 0745	0	0	64	0	4	0	0	2	70	72.00
0745 - 0800	0	0	60	0	4	0	0	0	64	64.00
Hourly Total	0	3	183	0	16	0	0	2	204	204.20
Hourly Average	0.00	0.75	45.75	0.00	4.00	0.00	0.00	0.50	51.00	51.05
0800 - 0815	1	0	88	0	5	1	0	0	95	94.70
0815 - 0830	0	0	100	0	11	0	0	1	112	113.00
0830 - 0845	0	0	88	0	5	0	0	2	95	97.00
0845 - 0900	0	0	102	0	6	0	0	0	108	108.00
Hourly Total	1	0	378	0	27	1	0	3	410	412.70
Hourly Average	0.25	0.00	94.50	0.00	6.75	0.25	0.00	0.75	102.50	103.18
0900 - 0915	0	0	76	0	9	0	0	0	85	85.00
0915 - 0930	0	0	69	0	6	0	0	0	75	75.00
0930 - 0945	1	0	62	0	9	1	0	0	73	72.70
0945 - 1000	0	0	60	0	4	1	0	0	65	65.50
Hourly Total	1	0	267	0	28	2	0	0	298	298.20
Hourly Average	0.25	0.00	66.75	0.00	7.00	0.50	0.00	0.00	74.50	74.55
1000 - 1015	0	0	58	0	2	1	0	0	61	61.50
1015 - 1030	0	0	59	0	5	1	0	0	65	65.50
1030 - 1045	1	0	74	0	2	0	0	0	77	76.20
1045 - 1100	0	0	71	0	4	1	0	0	76	76.50
Hourly Total	1	0	262	0	13	3	0	0	279	279.70
Hourly Average	0.25	0.00	65.50	0.00	3.25	0.75	0.00	0.00	69.75	69.93
1100 - 1115	0	0	71	0	5	0	0	0	76	76.00
1115 - 1130	0	0	58	0	6	1	0	0	65	65.50
1130 - 1145	1	0	75	0	7	2	0	1	86	87.20
1145 - 1200	0	0	81	0	5	0	0	0	86	86.00
Hourly Total	1	0	285	0	23	3	0	1	313	314.70
Hourly Average	0.25	0.00	71.25	0.00	5.75	0.75	0.00	0.25	78.25	78.68
1200 - 1215	1	0	79	0	7	0	0	0	87	86.20
1215 - 1230	0	0	77	0	8	1	0	0	86	86.50
1230 - 1245	0	0	66	0	5	0	0	0	71	71.00
1245 - 1300	0	2	69	0	6	0	0	0	77	75.80
Hourly Total	1	2	291	0	26	1	0	0	321	319.50
Hourly Average	0.25	0.50	72.75	0.00	6.50	0.25	0.00	0.00	80.25	79.88
1300 - 1315	0	1	87	0	0	0	0	0	88	87.40
1315 - 1330	0	0	84	0	5	1	1	0	91	92.80
1330 - 1345	0	0	97	0	3	0	0	0	100	100.00
1345 - 1400	0	0	97	0	8	0	0	0	105	105.00
Hourly Total	0	1	365	0	16	1	1	0	384	385.20
Hourly Average	0.00	0.25	91.25	0.00	4.00	0.25	0.25	0.00	96.00	96.30
1400 - 1415	0	0	84	0	3	2	0	0	89	90.00
1415 - 1430	0	0	80	0	8	0	0	1	89	90.00
1430 - 1445	0	0	63	1	9	1	0	0	74	74.50
1445 - 1500	0	0	74	0	7	0	0	0	81	81.00
Hourly Total	0	0	301	1	27	3	0	1	333	335.50
Hourly Average	0.00	0.00	75.25	0.25	6.75	0.75	0.00	0.25	83.25	83.88
1500 - 1515	0	0	106	0	3	1	0	1	111	112.50
1515 - 1530	0	1	92	0	7	0	0	0	100	99.40
1530 - 1545	0	0	101	0	6	0	0	0	107	107.00
1545 - 1600	0	0	76	0	10	0	0	0	86	86.00
Hourly Total	0	1	375	0	26	1	0	1	404	404.90
Hourly Average	0.00	0.25	93.75	0.00	6.50	0.25	0.00	0.25	101.00	101.23
1600 - 1615	0	0	101	0	5	1	0	0	107	107.50
1615 - 1630	0	0	77	2	8	0	0	0	87	87.00
1630 - 1645	0	4	101	0	9	0	0	0	114	111.60
1645 - 1700	2	0	77	0	5	0	0	0	84	82.40
Hourly Total	2	4	356	2	27	1	0	0	392	388.50
Hourly Average	0.50	1.00	89.00	0.50	6.75	0.25	0.00	0.00	98.00	97.13
1700 - 1715	1	1	104	0	6	0	0	0	112	110.60
1715 - 1730	0	0	109	0	2	0	0	0	111	111.00
1730 - 1745	0	2	83	0	2	0	0	0	87	85.80
1745 - 1800	0	0	95	0	1	0	0	0	96	96.00
Hourly Total	1	3	391	0	11	0	0	0	406	403.40
Hourly Average	0.25	0.75	97.75	0.00	2.75	0.00	0.00	0.00	101.50	100.85
1800 - 1815	0	0	77	0	4	0	0	0	81	81.00
1815 - 1830	0	0	66	0	5	0	0	0	71	71.00
1830 - 1845	0	1	70	0	6	0	0	0	77	76.40
1845 - 1900	0	0	58	0	1	1	0	0	60	60.50
Hourly Total	0	1	271	0	16	1	0	0	289	288.90
Hourly Average	0.00	0.25	67.75	0.00	4.00	0.25	0.00	0.00	72.25	72.23
Session Total	8	15	3725	3	256	17	1	8	4033	4035.40
Session Average	0.17	0.31	77.60	0.06	5.33	0.35	0.02	0.17	84.02	84.07

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 1.3: Northbound from B513/ Spital Road (South) to B513/ Spital Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	16	0	0	0	0	0	16	16.00
0715 - 0730	0	1	19	0	0	0	0	0	20	19.40
0730 - 0745	0	0	13	0	1	0	0	0	14	14.00
0745 - 0800	0	0	13	0	1	0	0	0	14	14.00
Hourly Total	0	1	61	0	2	0	0	0	64	63.40
Hourly Average	0.00	0.25	15.25	0.00	0.50	0.00	0.00	0.00	16.00	15.85
0800 - 0815	1	1	18	0	4	1	0	0	25	24.10
0815 - 0830	0	0	20	0	3	0	0	0	23	23.00
0830 - 0845	0	0	43	0	2	0	0	0	45	45.00
0845 - 0900	0	0	46	0	0	0	0	0	46	46.00
Hourly Total	1	1	127	0	9	1	0	0	139	138.10
Hourly Average	0.25	0.25	31.75	0.00	2.25	0.25	0.00	0.00	34.75	34.53
0900 - 0915	0	0	34	0	4	1	0	0	39	39.50
0915 - 0930	0	0	51	0	4	0	0	0	55	55.00
0930 - 0945	1	0	48	1	2	1	0	0	53	52.70
0945 - 1000	0	0	52	0	7	0	0	0	59	59.00
Hourly Total	1	0	185	1	17	2	0	0	206	206.20
Hourly Average	0.25	0.00	46.25	0.25	4.25	0.50	0.00	0.00	51.50	51.55
1000 - 1015	0	0	53	1	4	0	0	0	58	58.00
1015 - 1030	0	0	65	0	4	0	0	0	69	69.00
1030 - 1045	2	0	74	0	3	0	0	0	79	77.40
1045 - 1100	0	1	85	0	5	1	0	0	92	91.90
Hourly Total	2	1	277	1	16	1	0	0	298	296.30
Hourly Average	0.50	0.25	69.25	0.25	4.00	0.25	0.00	0.00	74.50	74.08
1100 - 1115	0	0	77	0	5	0	0	0	82	82.00
1115 - 1130	0	0	64	1	6	0	0	0	71	71.00
1130 - 1145	0	0	98	0	9	0	0	0	107	107.00
1145 - 1200	1	1	89	0	5	2	0	0	98	97.60
Hourly Total	1	1	328	1	25	2	0	0	358	357.60
Hourly Average	0.25	0.25	82.00	0.25	6.25	0.50	0.00	0.00	89.50	89.40
1200 - 1215	1	0	90	0	10	0	0	0	101	100.20
1215 - 1230	0	1	101	0	5	0	0	0	107	106.40
1230 - 1245	0	0	98	0	6	0	0	0	104	104.00
1245 - 1300	0	0	69	0	2	0	0	0	71	71.00
Hourly Total	1	1	358	0	23	0	0	0	383	381.60
Hourly Average	0.25	0.25	89.50	0.00	5.75	0.00	0.00	0.00	95.75	95.40
1300 - 1315	0	0	82	0	6	0	0	1	89	90.00
1315 - 1330	0	1	88	0	4	2	0	0	95	95.40
1330 - 1345	0	0	78	0	11	0	0	0	89	89.00
1345 - 1400	0	1	76	0	3	0	0	0	80	79.40
Hourly Total	0	2	324	0	24	2	0	1	353	353.80
Hourly Average	0.00	0.50	81.00	0.00	6.00	0.50	0.00	0.25	88.25	88.45
1400 - 1415	0	0	73	0	3	1	0	0	77	77.50
1415 - 1430	0	0	104	0	2	0	0	0	106	106.00
1430 - 1445	0	1	72	0	5	0	0	0	78	77.40
1445 - 1500	0	1	79	0	1	0	0	0	81	80.40
Hourly Total	0	2	328	0	11	1	0	0	342	341.30
Hourly Average	0.00	0.50	82.00	0.00	2.75	0.25	0.00	0.00	85.50	85.33
1500 - 1515	0	0	62	0	2	0	0	0	64	64.00
1515 - 1530	0	0	75	0	3	0	0	0	78	78.00
1530 - 1545	0	2	52	0	3	0	0	0	57	55.80
1545 - 1600	0	0	77	1	3	0	0	0	81	81.00
Hourly Total	0	2	266	1	11	0	0	0	280	278.80
Hourly Average	0.00	0.50	66.50	0.25	2.75	0.00	0.00	0.00	70.00	69.70
1600 - 1615	0	0	96	0	6	0	0	0	102	102.00
1615 - 1630	0	1	83	0	2	0	0	0	86	85.40
1630 - 1645	0	0	55	0	3	0	0	0	58	58.00
1645 - 1700	0	0	57	0	1	0	0	0	58	58.00
Hourly Total	0	1	291	0	12	0	0	0	304	303.40
Hourly Average	0.00	0.25	72.75	0.00	3.00	0.00	0.00	0.00	76.00	75.85
1700 - 1715	0	0	45	0	2	0	0	0	47	47.00
1715 - 1730	0	0	66	0	1	1	0	0	68	68.50
1730 - 1745	0	2	49	0	2	1	0	0	54	53.30
1745 - 1800	0	0	52	0	3	0	0	0	55	55.00
Hourly Total	0	2	212	0	8	2	0	0	224	223.80
Hourly Average	0.00	0.50	53.00	0.00	2.00	0.50	0.00	0.00	56.00	55.95
1800 - 1815	1	1	58	0	3	0	0	0	63	61.60
1815 - 1830	0	1	49	0	2	0	0	0	52	51.40
1830 - 1845	0	0	45	0	0	0	0	0	45	45.00
1845 - 1900	0	0	54	0	3	0	0	0	57	57.00
Hourly Total	1	2	206	0	8	0	0	0	217	215.00
Hourly Average	0.25	0.50	51.50	0.00	2.00	0.00	0.00	0.00	54.25	53.75
Session Total	7	16	2963	4	166	11	0	1	3168	3159.30
Session Average	0.15	0.33	61.73	0.08	3.46	0.23	0.00	0.02	66.00	65.82

617-18 Bromborough  
Classified Junction Count

Site 1 of 6  
Croft Avenue East  
B5137 Spital Road (South)  
B5137 Spital Road (North)

Lat/Long  
lat 53.336573° lon -2.981071°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 1.4: Right from B5137/ Spital Road (South) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	5	0	0	0	0	2	7	9.00
0715 - 0730	0	0	4	0	1	0	0	2	7	9.00
0730 - 0745	0	0	9	0	0	0	0	3	12	15.00
0745 - 0800	0	0	14	0	0	0	0	3	17	20.00
Hourly Total	0	0	32	0	1	0	0	10	43	53.00
Hourly Average	0.00	0.00	8.00	0.00	0.25	0.00	0.00	2.50	10.75	13.25
0800 - 0815	0	0	11	0	1	0	0	3	15	18.00
0815 - 0830	0	0	18	0	1	0	0	3	22	25.00
0830 - 0845	2	0	19	0	2	0	0	2	25	25.40
0845 - 0900	0	0	21	0	4	0	0	3	28	31.00
Hourly Total	2	0	69	0	8	0	0	11	90	99.40
Hourly Average	0.50	0.00	17.25	0.00	2.00	0.00	0.00	2.75	22.50	24.85
0900 - 0915	0	0	11	0	3	0	0	3	17	20.00
0915 - 0930	0	0	14	0	3	0	0	2	19	21.00
0930 - 0945	0	0	13	0	0	0	0	3	16	19.00
0945 - 1000	0	0	11	0	2	0	0	1	14	15.00
Hourly Total	0	0	49	0	8	0	0	9	66	75.00
Hourly Average	0.00	0.00	12.25	0.00	2.00	0.00	0.00	2.25	16.50	18.75
1000 - 1015	1	0	15	0	1	2	0	5	24	29.20
1015 - 1030	0	0	7	0	0	0	0	2	9	11.00
1030 - 1045	0	0	11	0	1	0	0	4	16	20.00
1045 - 1100	0	0	6	0	0	0	0	1	7	8.00
Hourly Total	1	0	39	0	2	2	0	12	56	68.20
Hourly Average	0.25	0.00	9.75	0.00	0.50	0.50	0.00	3.00	14.00	17.05
1100 - 1115	0	0	9	1	2	0	0	3	15	18.00
1115 - 1130	0	0	7	0	1	0	0	0	8	8.00
1130 - 1145	0	0	11	0	0	1	0	1	13	14.50
1145 - 1200	0	0	11	0	1	0	0	3	15	18.00
Hourly Total	0	0	38	1	4	1	0	7	51	58.50
Hourly Average	0.00	0.00	9.50	0.25	1.00	0.25	0.00	1.75	12.75	14.63
1200 - 1215	0	1	9	0	1	1	0	4	16	19.90
1215 - 1230	0	0	20	0	2	0	0	2	24	26.00
1230 - 1245	0	0	6	0	2	1	0	3	12	15.50
1245 - 1300	0	0	11	0	1	0	1	0	13	14.30
Hourly Total	0	1	46	0	6	2	1	9	65	75.70
Hourly Average	0.00	0.25	11.50	0.00	1.50	0.50	0.25	2.25	16.25	18.93
1300 - 1315	0	0	14	1	1	0	0	4	20	24.00
1315 - 1330	0	0	15	0	1	0	0	3	19	22.00
1330 - 1345	0	0	23	0	1	1	0	0	25	25.50
1345 - 1400	0	0	11	0	1	0	0	2	14	16.00
Hourly Total	0	0	63	1	4	1	0	9	78	87.50
Hourly Average	0.00	0.00	15.75	0.25	1.00	0.25	0.00	2.25	19.50	21.88
1400 - 1415	0	0	19	0	1	0	0	2	22	24.00
1415 - 1430	0	0	17	0	1	0	0	3	21	24.00
1430 - 1445	0	0	15	0	2	0	0	2	19	21.00
1445 - 1500	0	0	11	0	2	0	0	3	16	19.00
Hourly Total	0	0	62	0	6	0	0	10	78	88.00
Hourly Average	0.00	0.00	15.50	0.00	1.50	0.00	0.00	2.50	19.50	22.00
1500 - 1515	0	0	11	0	0	0	0	3	14	17.00
1515 - 1530	0	0	15	0	3	0	0	3	21	24.00
1530 - 1545	0	0	12	0	1	0	0	0	13	13.00
1545 - 1600	0	0	12	0	0	0	0	3	15	18.00
Hourly Total	0	0	50	0	4	0	0	9	63	72.00
Hourly Average	0.00	0.00	12.50	0.00	1.00	0.00	0.00	2.25	15.75	18.00
1600 - 1615	0	0	20	0	0	0	0	3	23	26.00
1615 - 1630	0	0	15	0	0	0	0	1	16	17.00
1630 - 1645	0	0	17	0	0	0	0	5	22	27.00
1645 - 1700	0	0	11	0	1	0	0	1	13	14.00
Hourly Total	0	0	63	0	1	0	0	10	74	84.00
Hourly Average	0.00	0.00	15.75	0.00	0.25	0.00	0.00	2.50	18.50	21.00
1700 - 1715	0	0	15	0	1	0	0	3	19	22.00
1715 - 1730	0	0	11	0	0	0	0	4	15	19.00
1730 - 1745	0	0	14	0	1	0	0	4	19	23.00
1745 - 1800	0	0	13	0	1	0	0	1	15	16.00
Hourly Total	0	0	53	0	3	0	0	12	68	80.00
Hourly Average	0.00	0.00	13.25	0.00	0.75	0.00	0.00	3.00	17.00	20.00
1800 - 1815	0	0	5	0	0	0	0	5	10	15.00
1815 - 1830	0	0	8	0	1	0	0	0	9	9.00
1830 - 1845	0	0	10	0	0	0	0	3	13	16.00
1845 - 1900	0	0	13	0	0	0	0	3	16	19.00
Hourly Total	0	0	36	0	1	0	0	11	48	59.00
Hourly Average	0.00	0.00	9.00	0.00	0.25	0.00	0.00	2.75	12.00	14.75
Session Total	3	1	600	2	48	6	1	119	780	900.30
Session Average	0.06	0.02	12.50	0.04	1.00	0.13	0.02	2.48	16.25	18.76



Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 1.4: Right from B5137 Spital Road (South) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	2	0	0	0	0	2	4	6.00
0715 - 0730	1	0	2	0	0	0	0	1	4	4.20
0730 - 0745	0	0	5	0	1	0	0	1	7	8.00
0745 - 0800	0	0	6	0	1	0	0	2	9	11.00
Hourly Total	1	0	15	0	2	0	0	6	24	29.20
Hourly Average	0.25	0.00	3.75	0.00	0.50	0.00	0.00	1.50	6.00	7.30
0800 - 0815	0	0	3	0	1	0	0	2	6	8.00
0815 - 0830	0	0	6	0	1	0	1	1	9	11.30
0830 - 0845	0	0	9	0	3	0	0	4	16	20.00
0845 - 0900	0	0	6	0	0	0	0	3	9	12.00
Hourly Total	0	0	24	0	5	0	1	10	40	51.30
Hourly Average	0.00	0.00	6.00	0.00	1.25	0.00	0.25	2.50	10.00	12.83
0900 - 0915	0	0	13	0	0	0	0	2	15	17.00
0915 - 0930	0	0	11	0	2	0	0	2	15	17.00
0930 - 0945	0	0	12	1	1	0	0	3	17	20.00
0945 - 1000	0	0	12	0	2	0	0	1	15	16.00
Hourly Total	0	0	48	1	5	0	0	8	62	70.00
Hourly Average	0.00	0.00	12.00	0.25	1.25	0.00	0.00	2.00	15.50	17.50
1000 - 1015	0	0	8	0	0	0	0	4	12	16.00
1015 - 1030	0	0	17	0	2	0	0	2	21	23.00
1030 - 1045	0	0	10	0	1	0	0	3	14	17.00
1045 - 1100	0	0	16	0	2	0	0	0	18	18.00
Hourly Total	0	0	51	0	5	0	0	9	65	74.00
Hourly Average	0.00	0.00	12.75	0.00	1.25	0.00	0.00	2.25	16.25	18.50
1100 - 1115	0	0	17	0	2	0	0	3	22	25.00
1115 - 1130	0	0	22	0	0	0	0	1	23	24.00
1130 - 1145	0	0	13	0	2	0	0	3	18	21.00
1145 - 1200	0	0	10	0	0	1	0	1	12	13.50
Hourly Total	0	0	62	0	4	1	0	8	75	83.50
Hourly Average	0.00	0.00	15.50	0.00	1.00	0.25	0.00	2.00	18.75	20.88
1200 - 1215	0	0	12	0	1	0	0	4	17	21.00
1215 - 1230	0	0	11	0	1	0	0	2	14	16.00
1230 - 1245	0	0	18	0	1	0	0	0	19	19.00
1245 - 1300	0	0	14	0	2	0	0	1	17	18.00
Hourly Total	0	0	55	0	5	0	0	7	67	74.00
Hourly Average	0.00	0.00	13.75	0.00	1.25	0.00	0.00	1.75	16.75	18.50
1300 - 1315	0	0	21	0	1	0	0	4	26	30.00
1315 - 1330	0	0	21	0	1	0	0	3	25	28.00
1330 - 1345	0	0	17	0	1	0	0	1	19	20.00
1345 - 1400	0	0	16	0	0	0	0	1	17	18.00
Hourly Total	0	0	75	0	3	0	0	9	87	96.00
Hourly Average	0.00	0.00	18.75	0.00	0.75	0.00	0.00	2.25	21.75	24.00
1400 - 1415	0	1	10	0	0	0	0	4	15	18.40
1415 - 1430	0	0	11	0	0	0	0	2	13	15.00
1430 - 1445	0	0	8	0	1	0	0	2	11	13.00
1445 - 1500	0	0	12	0	1	0	0	1	14	15.00
Hourly Total	0	1	41	0	2	0	0	9	53	61.40
Hourly Average	0.00	0.25	10.25	0.00	0.50	0.00	0.00	2.25	13.25	15.35
1500 - 1515	0	0	12	0	0	0	0	2	14	16.00
1515 - 1530	0	0	15	0	0	0	0	2	17	19.00
1530 - 1545	0	0	11	0	0	0	0	2	13	15.00
1545 - 1600	0	0	18	0	0	0	0	2	20	22.00
Hourly Total	0	0	56	0	0	0	0	8	64	72.00
Hourly Average	0.00	0.00	14.00	0.00	0.00	0.00	0.00	2.00	16.00	18.00
1600 - 1615	0	0	14	0	1	0	0	3	18	21.00
1615 - 1630	0	0	13	0	0	0	0	1	14	15.00
1630 - 1645	0	0	13	0	0	0	0	4	17	21.00
1645 - 1700	0	0	11	0	0	0	0	1	12	13.00
Hourly Total	0	0	51	0	1	0	0	9	61	70.00
Hourly Average	0.00	0.00	12.75	0.00	0.25	0.00	0.00	2.25	15.25	17.50
1700 - 1715	0	0	11	0	0	0	0	3	14	17.00
1715 - 1730	0	0	12	0	0	0	0	3	15	18.00
1730 - 1745	0	0	10	0	0	0	0	2	12	14.00
1745 - 1800	0	0	7	0	1	0	0	3	11	14.00
Hourly Total	0	0	40	0	1	0	0	11	52	63.00
Hourly Average	0.00	0.00	10.00	0.00	0.25	0.00	0.00	2.75	13.00	15.75
1800 - 1815	0	0	6	0	0	0	0	3	9	12.00
1815 - 1830	0	0	11	0	0	0	0	3	14	17.00
1830 - 1845	0	0	7	0	0	0	0	2	9	11.00
1845 - 1900	0	0	15	0	0	0	0	4	19	23.00
Hourly Total	0	0	39	0	0	0	0	12	51	63.00
Hourly Average	0.00	0.00	9.75	0.00	0.00	0.00	0.00	3.00	12.75	15.75
Session Total	1	1	557	1	33	1	1	106	701	807.40
Session Average	0.02	0.02	11.60	0.02	0.69	0.02	0.02	2.21	14.60	16.82

617-18 Bromborough  
Classified Junction Count

Site 1 of 6  
Croft Avenue East  
B5137 Spital Road (South)  
B5137 Spital Road (North)

Lat/Long  
lat 53.336573° lon -2.981071°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 1.5: Left from B5137 Spital Road (North) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	24	0	6	0	0	1	31	32.00
0715 - 0730	0	1	37	0	7	0	0	0	45	44.40
0730 - 0745	0	0	49	0	8	0	0	0	57	57.00
0745 - 0800	0	0	93	0	11	0	0	0	104	104.00
Hourly Total	0	1	203	0	32	0	0	1	237	237.40
Hourly Average	0.00	0.25	50.75	0.00	8.00	0.00	0.00	0.25	59.25	59.35
0800 - 0815	1	0	80	0	6	1	0	2	90	91.70
0815 - 0830	0	0	107	0	5	0	0	0	112	112.00
0830 - 0845	0	0	78	0	7	2	0	0	87	88.00
0845 - 0900	0	0	86	1	7	0	0	1	95	96.00
Hourly Total	1	0	351	1	25	3	0	3	384	387.70
Hourly Average	0.25	0.00	87.75	0.25	6.25	0.75	0.00	0.75	96.00	96.93
0900 - 0915	0	0	89	0	9	1	0	0	99	99.50
0915 - 0930	0	0	102	0	5	0	0	0	107	107.00
0930 - 0945	0	0	60	1	7	0	1	1	70	72.30
0945 - 1000	0	1	91	1	8	2	0	0	103	103.40
Hourly Total	0	1	342	2	29	3	1	1	379	382.20
Hourly Average	0.00	0.25	85.50	0.50	7.25	0.75	0.25	0.25	94.75	95.55
1000 - 1015	0	0	61	0	7	1	0	0	69	69.50
1015 - 1030	0	0	79	0	10	2	0	0	91	92.00
1030 - 1045	0	0	75	0	3	1	0	0	79	79.50
1045 - 1100	0	0	62	0	4	0	0	0	66	66.00
Hourly Total	0	0	277	0	24	4	0	0	305	307.00
Hourly Average	0.00	0.00	69.25	0.00	6.00	1.00	0.00	0.00	76.25	76.75
1100 - 1115	0	0	75	0	11	0	0	0	86	86.00
1115 - 1130	0	1	60	1	8	4	2	3	79	86.00
1130 - 1145	0	0	81	0	6	0	0	1	88	89.00
1145 - 1200	0	0	64	0	1	1	0	0	66	66.50
Hourly Total	0	1	280	1	26	5	2	4	319	327.50
Hourly Average	0.00	0.25	70.00	0.25	6.50	1.25	0.50	1.00	79.75	81.88
1200 - 1215	0	0	80	0	8	1	0	0	89	89.50
1215 - 1230	0	0	59	0	5	1	1	0	66	67.80
1230 - 1245	0	0	77	1	8	0	0	0	86	86.00
1245 - 1300	0	0	80	0	4	0	0	1	85	86.00
Hourly Total	0	0	296	1	25	2	1	1	326	329.30
Hourly Average	0.00	0.00	74.00	0.25	6.25	0.50	0.25	0.25	81.50	82.33
1300 - 1315	0	0	57	0	5	2	0	0	64	65.00
1315 - 1330	0	0	74	1	4	0	0	0	79	79.00
1330 - 1345	0	0	67	0	3	0	0	2	72	74.00
1345 - 1400	0	0	99	0	4	2	0	0	105	106.00
Hourly Total	0	0	297	1	16	4	0	2	320	324.00
Hourly Average	0.00	0.00	74.25	0.25	4.00	1.00	0.00	0.50	80.00	81.00
1400 - 1415	0	0	75	0	4	0	0	1	80	81.00
1415 - 1430	0	0	80	0	4	0	0	0	84	84.00
1430 - 1445	0	0	55	0	9	0	0	2	66	68.00
1445 - 1500	0	0	82	1	4	1	0	0	88	88.50
Hourly Total	0	0	292	1	21	1	0	3	318	321.50
Hourly Average	0.00	0.00	73.00	0.25	5.25	0.25	0.00	0.75	79.50	80.38
1500 - 1515	0	0	62	1	9	0	0	0	72	72.00
1515 - 1530	0	0	73	0	8	0	0	0	81	81.00
1530 - 1545	0	0	74	0	4	1	0	2	81	83.50
1545 - 1600	0	0	75	0	5	0	0	0	80	80.00
Hourly Total	0	0	284	1	26	1	0	2	314	316.50
Hourly Average	0.00	0.00	71.00	0.25	6.50	0.25	0.00	0.50	78.50	79.13
1600 - 1615	0	0	68	0	5	0	0	0	73	73.00
1615 - 1630	0	1	63	0	2	0	0	0	66	65.40
1630 - 1645	0	0	80	1	8	0	0	1	90	91.00
1645 - 1700	0	0	69	0	2	1	0	0	72	72.50
Hourly Total	0	1	280	1	17	1	0	1	301	301.90
Hourly Average	0.00	0.25	70.00	0.25	4.25	0.25	0.00	0.25	75.25	75.48
1700 - 1715	0	0	71	0	5	0	0	1	77	78.00
1715 - 1730	0	0	60	0	3	0	0	0	63	63.00
1730 - 1745	0	1	85	0	3	0	0	1	90	90.40
1745 - 1800	0	0	61	0	2	1	0	0	64	64.50
Hourly Total	0	1	277	0	13	1	0	2	294	295.90
Hourly Average	0.00	0.25	69.25	0.00	3.25	0.25	0.00	0.50	73.50	73.98
1800 - 1815	0	0	60	0	3	0	0	0	63	63.00
1815 - 1830	0	1	83	1	1	0	0	3	89	91.40
1830 - 1845	0	0	60	0	2	0	0	1	63	64.00
1845 - 1900	0	0	66	0	2	0	0	0	68	68.00
Hourly Total	0	1	269	1	8	0	0	4	283	286.40
Hourly Average	0.00	0.25	67.25	0.25	2.00	0.00	0.00	1.00	70.75	71.60
Session Total	1	6	3448	10	262	25	4	24	3780	3817.30
Session Average	0.02	0.13	71.83	0.21	5.46	0.52	0.08	0.50	78.75	79.53

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 1.5: Left from B513/ Spital Road (North) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	9	0	3	0	0	0	12	12.00
0715 - 0730	0	0	11	0	0	0	0	0	11	11.00
0730 - 0745	0	0	15	0	2	0	0	0	17	17.00
0745 - 0800	0	0	32	0	2	0	0	0	34	34.00
Hourly Total	0	0	67	0	7	0	0	0	74	74.00
Hourly Average	0.00	0.00	16.75	0.00	1.75	0.00	0.00	0.00	18.50	18.50
0800 - 0815	0	0	28	0	1	0	0	0	29	29.00
0815 - 0830	0	0	28	0	1	1	0	0	30	30.50
0830 - 0845	0	0	51	0	3	1	0	0	55	55.50
0845 - 0900	0	1	70	0	4	0	0	0	75	74.40
Hourly Total	0	1	177	0	9	2	0	0	189	189.40
Hourly Average	0.00	0.25	44.25	0.00	2.25	0.50	0.00	0.00	47.25	47.35
0900 - 0915	0	0	66	0	4	0	0	0	70	70.00
0915 - 0930	0	0	64	0	4	0	0	1	69	70.00
0930 - 0945	0	0	73	0	5	0	0	0	78	78.00
0945 - 1000	0	0	89	0	4	0	0	0	93	93.00
Hourly Total	0	0	292	0	17	0	0	1	310	311.00
Hourly Average	0.00	0.00	73.00	0.00	4.25	0.00	0.00	0.25	77.50	77.75
1000 - 1015	0	0	78	0	3	2	0	0	83	84.00
1015 - 1030	0	0	82	0	1	0	0	0	83	83.00
1030 - 1045	1	0	77	0	1	0	0	0	79	78.20
1045 - 1100	0	0	91	0	3	0	0	0	94	94.00
Hourly Total	1	0	328	0	8	2	0	0	339	339.20
Hourly Average	0.25	0.00	82.00	0.00	2.00	0.50	0.00	0.00	84.75	84.80
1100 - 1115	0	1	94	0	4	0	0	1	100	100.40
1115 - 1130	0	0	101	0	1	0	0	0	102	102.00
1130 - 1145	0	0	100	1	5	0	0	0	106	106.00
1145 - 1200	0	0	93	0	4	0	0	1	98	99.00
Hourly Total	0	1	388	1	14	0	0	2	406	407.40
Hourly Average	0.00	0.25	97.00	0.25	3.50	0.00	0.00	0.50	101.50	101.85
1200 - 1215	0	0	103	0	0	0	0	0	103	103.00
1215 - 1230	0	0	91	0	5	0	0	0	96	96.00
1230 - 1245	0	0	103	0	4	0	0	0	107	107.00
1245 - 1300	0	0	103	0	6	0	0	1	110	111.00
Hourly Total	0	0	400	0	15	0	0	1	416	417.00
Hourly Average	0.00	0.00	100.00	0.00	3.75	0.00	0.00	0.25	104.00	104.25
1300 - 1315	0	0	91	0	3	0	0	0	94	94.00
1315 - 1330	0	0	92	0	2	0	0	0	94	94.00
1330 - 1345	0	1	98	0	2	0	0	0	101	100.40
1345 - 1400	0	0	109	0	2	0	0	1	112	113.00
Hourly Total	0	1	390	0	9	0	0	1	401	401.40
Hourly Average	0.00	0.25	97.50	0.00	2.25	0.00	0.00	0.25	100.25	100.35
1400 - 1415	0	0	105	0	1	0	0	0	106	106.00
1415 - 1430	0	0	105	0	4	0	0	0	109	109.00
1430 - 1445	0	0	118	0	2	0	0	0	120	120.00
1445 - 1500	0	0	127	0	0	0	0	0	127	127.00
Hourly Total	0	0	455	0	7	0	0	0	462	462.00
Hourly Average	0.00	0.00	113.75	0.00	1.75	0.00	0.00	0.00	115.50	115.50
1500 - 1515	0	0	89	0	2	0	0	1	92	93.00
1515 - 1530	0	1	104	0	3	0	0	1	109	109.40
1530 - 1545	0	0	86	0	1	0	0	0	87	87.00
1545 - 1600	0	0	81	0	0	0	0	0	81	81.00
Hourly Total	0	1	360	0	6	0	0	2	369	370.40
Hourly Average	0.00	0.25	90.00	0.00	1.50	0.00	0.00	0.50	92.25	92.60
1600 - 1615	0	0	68	0	4	0	0	1	73	74.00
1615 - 1630	0	0	73	0	2	0	0	0	75	75.00
1630 - 1645	0	0	77	0	2	0	0	0	79	79.00
1645 - 1700	0	0	76	0	2	0	0	0	78	78.00
Hourly Total	0	0	294	0	10	0	0	1	305	306.00
Hourly Average	0.00	0.00	73.50	0.00	2.50	0.00	0.00	0.25	76.25	76.50
1700 - 1715	0	0	75	0	2	0	0	1	78	79.00
1715 - 1730	0	0	54	0	1	0	0	0	55	55.00
1730 - 1745	0	1	60	0	2	0	0	0	63	62.40
1745 - 1800	0	0	49	0	6	0	0	0	55	55.00
Hourly Total	0	1	238	0	11	0	0	1	251	251.40
Hourly Average	0.00	0.25	59.50	0.00	2.75	0.00	0.00	0.25	62.75	62.85
1800 - 1815	0	0	48	0	0	0	0	1	49	50.00
1815 - 1830	0	0	65	0	2	0	0	0	67	67.00
1830 - 1845	0	1	31	0	1	0	0	0	33	32.40
1845 - 1900	0	2	46	0	2	0	0	0	50	48.80
Hourly Total	0	3	190	0	5	0	0	1	199	198.20
Hourly Average	0.00	0.75	47.50	0.00	1.25	0.00	0.00	0.25	49.75	49.55
Session Total	1	8	3579	1	118	4	0	10	3721	3727.40
Session Average	0.02	0.17	74.56	0.02	2.46	0.08	0.00	0.21	77.52	77.65

617-18 Bromborough  
Classified Junction Count

Site 1 of 6  
Croft Avenue East  
B5137 Spital Road (South)  
B5137 Spital Road (North)

Lat/Long  
lat 53.336573° lon -2.981071°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 1.6: Southbound from B5137 Spital Road (North) to B5137 Spital Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	21	0	5	1	0	0	27	27.50
0715 - 0730	0	0	19	0	3	1	0	0	23	23.50
0730 - 0745	1	0	40	0	9	0	0	0	50	49.20
0745 - 0800	1	1	64	0	6	0	0	0	72	70.60
Hourly Total	2	1	144	0	23	2	0	0	172	170.80
Hourly Average	0.50	0.25	36.00	0.00	5.75	0.50	0.00	0.00	43.00	42.70
0800 - 0815	0	1	72	0	5	1	0	0	79	78.90
0815 - 0830	0	0	81	0	7	0	0	0	88	88.00
0830 - 0845	0	0	79	0	5	1	0	0	85	85.50
0845 - 0900	0	0	93	0	3	1	0	0	97	97.50
Hourly Total	0	1	325	0	20	3	0	0	349	349.90
Hourly Average	0.00	0.25	81.25	0.00	5.00	0.75	0.00	0.00	87.25	87.48
0900 - 0915	0	0	84	0	5	1	0	0	90	90.50
0915 - 0930	0	0	66	1	9	0	0	0	76	76.00
0930 - 0945	0	0	83	1	7	0	0	0	91	91.00
0945 - 1000	0	0	69	1	5	1	0	0	76	76.50
Hourly Total	0	0	302	3	26	2	0	0	333	334.00
Hourly Average	0.00	0.00	75.50	0.75	6.50	0.50	0.00	0.00	83.25	83.50
1000 - 1015	0	0	58	1	11	2	0	0	72	73.00
1015 - 1030	0	0	45	0	9	1	0	0	55	55.50
1030 - 1045	0	1	63	0	4	1	0	0	69	68.90
1045 - 1100	0	0	57	0	1	2	0	0	60	61.00
Hourly Total	0	1	223	1	25	6	0	0	256	258.40
Hourly Average	0.00	0.25	55.75	0.25	6.25	1.50	0.00	0.00	64.00	64.60
1100 - 1115	0	0	65	0	6	0	0	0	71	71.00
1115 - 1130	1	1	61	0	6	0	0	1	70	69.60
1130 - 1145	0	1	43	0	6	1	0	0	51	50.90
1145 - 1200	0	0	83	0	8	0	0	0	91	91.00
Hourly Total	1	2	252	0	26	1	0	1	283	282.50
Hourly Average	0.25	0.50	63.00	0.00	6.50	0.25	0.00	0.25	70.75	70.63
1200 - 1215	0	1	70	0	8	0	0	0	79	78.40
1215 - 1230	0	0	74	0	7	0	0	0	81	81.00
1230 - 1245	0	1	39	2	6	0	0	0	48	47.40
1245 - 1300	0	0	93	0	6	0	0	0	99	99.00
Hourly Total	0	2	276	2	27	0	0	0	307	305.80
Hourly Average	0.00	0.50	69.00	0.50	6.75	0.00	0.00	0.00	76.75	76.45
1300 - 1315	0	0	67	0	4	1	0	0	72	72.50
1315 - 1330	0	1	81	0	9	1	0	0	92	91.90
1330 - 1345	0	0	80	0	4	0	0	0	84	84.00
1345 - 1400	0	0	82	0	2	1	0	0	85	85.50
Hourly Total	0	1	310	0	19	3	0	0	333	333.90
Hourly Average	0.00	0.25	77.50	0.00	4.75	0.75	0.00	0.00	83.25	83.48
1400 - 1415	0	0	70	0	7	0	0	0	77	77.00
1415 - 1430	1	0	60	2	6	0	0	0	69	68.20
1430 - 1445	0	0	89	0	5	1	0	0	95	95.50
1445 - 1500	0	0	69	0	5	0	0	1	75	76.00
Hourly Total	1	0	288	2	23	1	0	1	316	316.70
Hourly Average	0.25	0.00	72.00	0.50	5.75	0.25	0.00	0.25	79.00	79.18
1500 - 1515	0	0	83	1	6	0	0	1	91	92.00
1515 - 1530	0	0	67	0	5	0	0	0	72	72.00
1530 - 1545	1	0	80	0	3	0	0	2	86	87.20
1545 - 1600	0	0	69	1	6	0	0	0	76	76.00
Hourly Total	1	0	299	2	20	0	0	3	325	327.20
Hourly Average	0.25	0.00	74.75	0.50	5.00	0.00	0.00	0.75	81.25	81.80
1600 - 1615	0	0	81	1	6	1	0	2	91	93.50
1615 - 1630	0	0	76	0	4	0	0	3	83	86.00
1630 - 1645	0	0	81	0	8	0	0	0	89	89.00
1645 - 1700	0	0	64	0	5	0	0	0	69	69.00
Hourly Total	0	0	302	1	23	1	0	5	332	337.50
Hourly Average	0.00	0.00	75.50	0.25	5.75	0.25	0.00	1.25	83.00	84.38
1700 - 1715	1	0	76	0	2	0	0	0	79	78.20
1715 - 1730	1	2	75	1	4	1	0	0	84	82.50
1730 - 1745	0	1	77	0	6	0	0	0	84	83.40
1745 - 1800	0	0	64	0	7	1	0	0	72	72.50
Hourly Total	2	3	292	1	19	2	0	0	319	316.60
Hourly Average	0.50	0.75	73.00	0.25	4.75	0.50	0.00	0.00	79.75	79.15
1800 - 1815	0	0	64	0	6	0	0	0	70	70.00
1815 - 1830	0	0	57	0	2	0	0	0	59	59.00
1830 - 1845	0	0	46	0	0	0	0	0	46	46.00
1845 - 1900	0	0	52	0	4	0	0	0	56	56.00
Hourly Total	0	0	219	0	12	0	0	0	231	231.00
Hourly Average	0.00	0.00	54.75	0.00	3.00	0.00	0.00	0.00	57.75	57.75
Session Total	7	11	3232	12	263	21	0	10	3556	3564.30
Session Average	0.15	0.23	67.33	0.25	5.48	0.44	0.00	0.21	74.08	74.26

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 1.6: Southbound from B5137 Spital Road (North) to B5137 Spital Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	10	0	2	0	0	0	12	12.00
0715 - 0730	0	0	10	0	0	0	0	0	10	10.00
0730 - 0745	0	0	9	0	0	0	0	0	9	9.00
0745 - 0800	0	0	25	0	1	0	0	0	26	26.00
Hourly Total	0	0	54	0	3	0	0	0	57	57.00
Hourly Average	0.00	0.00	13.50	0.00	0.75	0.00	0.00	0.00	14.25	14.25
0800 - 0815	0	0	16	0	3	0	0	0	19	19.00
0815 - 0830	0	0	25	0	1	0	0	0	26	26.00
0830 - 0845	0	0	27	0	4	2	0	0	33	34.00
0845 - 0900	0	0	61	0	7	2	0	0	70	71.00
Hourly Total	0	0	129	0	15	4	0	0	148	150.00
Hourly Average	0.00	0.00	32.25	0.00	3.75	1.00	0.00	0.00	37.00	37.50
0900 - 0915	1	0	46	0	6	1	0	0	54	53.70
0915 - 0930	0	1	51	1	4	1	0	0	58	57.90
0930 - 0945	1	1	49	0	3	0	0	0	54	52.60
0945 - 1000	0	0	41	0	2	1	0	0	44	44.50
Hourly Total	2	2	187	1	15	3	0	0	210	208.70
Hourly Average	0.50	0.50	46.75	0.25	3.75	0.75	0.00	0.00	52.50	52.18
1000 - 1015	0	0	67	0	6	0	0	0	73	73.00
1015 - 1030	0	0	71	2	3	1	0	0	77	77.50
1030 - 1045	0	0	72	0	7	0	0	0	79	79.00
1045 - 1100	0	1	90	1	1	0	0	0	93	92.40
Hourly Total	0	1	300	3	17	1	0	0	322	321.90
Hourly Average	0.00	0.25	75.00	0.75	4.25	0.25	0.00	0.00	80.50	80.48
1100 - 1115	0	0	73	1	7	0	0	0	81	81.00
1115 - 1130	0	1	76	0	3	0	0	0	80	79.40
1130 - 1145	0	0	79	0	2	0	0	0	81	81.00
1145 - 1200	0	1	79	0	7	0	0	0	87	86.40
Hourly Total	0	2	307	1	19	0	0	0	329	327.80
Hourly Average	0.00	0.50	76.75	0.25	4.75	0.00	0.00	0.00	82.25	81.95
1200 - 1215	0	0	75	1	1	0	0	0	77	77.00
1215 - 1230	0	0	74	0	1	1	0	0	76	76.50
1230 - 1245	0	0	54	0	3	0	0	0	57	57.00
1245 - 1300	0	0	67	0	2	0	0	0	69	69.00
Hourly Total	0	0	270	1	7	1	0	0	279	279.50
Hourly Average	0.00	0.00	67.50	0.25	1.75	0.25	0.00	0.00	69.75	69.88
1300 - 1315	0	0	78	0	3	0	0	0	81	81.00
1315 - 1330	1	0	67	0	5	0	0	0	73	72.20
1330 - 1345	0	0	69	1	1	0	0	0	71	71.00
1345 - 1400	0	0	81	0	3	1	0	0	85	85.50
Hourly Total	1	0	295	1	12	1	0	0	310	309.70
Hourly Average	0.25	0.00	73.75	0.25	3.00	0.25	0.00	0.00	77.50	77.43
1400 - 1415	0	0	89	0	5	0	0	0	94	94.00
1415 - 1430	0	0	83	0	3	0	0	0	86	86.00
1430 - 1445	0	0	64	1	0	0	0	0	65	65.00
1445 - 1500	0	1	75	0	2	0	0	0	78	77.40
Hourly Total	0	1	311	1	10	0	0	0	323	322.40
Hourly Average	0.00	0.25	77.75	0.25	2.50	0.00	0.00	0.00	80.75	80.60
1500 - 1515	0	0	73	0	3	0	0	0	76	76.00
1515 - 1530	0	2	51	0	4	0	0	0	57	55.80
1530 - 1545	0	0	60	1	2	0	0	0	63	63.00
1545 - 1600	0	0	50	0	3	0	0	0	53	53.00
Hourly Total	0	2	234	1	12	0	0	0	249	247.80
Hourly Average	0.00	0.50	58.50	0.25	3.00	0.00	0.00	0.00	62.25	61.95
1600 - 1615	0	0	66	0	0	0	0	0	66	66.00
1615 - 1630	0	2	58	0	2	0	0	0	62	60.80
1630 - 1645	0	0	55	0	2	0	0	0	57	57.00
1645 - 1700	0	0	58	0	1	0	0	0	59	59.00
Hourly Total	0	2	237	0	5	0	0	0	244	242.80
Hourly Average	0.00	0.50	59.25	0.00	1.25	0.00	0.00	0.00	61.00	60.70
1700 - 1715	0	0	61	0	3	0	0	0	64	64.00
1715 - 1730	0	0	43	0	2	0	0	0	45	45.00
1730 - 1745	0	0	63	0	3	0	0	0	66	66.00
1745 - 1800	0	0	44	0	2	0	0	0	46	46.00
Hourly Total	0	0	211	0	10	0	0	0	221	221.00
Hourly Average	0.00	0.00	52.75	0.00	2.50	0.00	0.00	0.00	55.25	55.25
1800 - 1815	0	0	57	0	3	0	0	0	60	60.00
1815 - 1830	0	0	35	0	3	0	0	0	38	38.00
1830 - 1845	0	2	51	0	3	0	0	0	56	54.80
1845 - 1900	0	0	46	0	2	0	0	0	48	48.00
Hourly Total	0	2	189	0	11	0	0	0	202	200.80
Hourly Average	0.00	0.50	47.25	0.00	2.75	0.00	0.00	0.00	50.50	50.20
Session Total	3	12	2724	9	136	10	0	0	2894	2889.40
Session Average	0.06	0.25	56.75	0.19	2.83	0.21	0.00	0.00	60.29	60.20

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.1: Left from Caldbeck Road to A41 New Chester Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	16	0	2	1	0	0	20	19.70
0715 - 0730	0	0	13	0	2	1	1	1	18	20.80
0730 - 0745	0	0	24	0	4	0	0	0	28	28.00
0745 - 0800	0	0	15	0	1	0	0	0	16	16.00
Hourly Total	1	0	68	0	9	2	1	1	82	84.50
Hourly Average	0.25	0.00	17.00	0.00	2.25	0.50	0.25	0.25	20.50	21.13
0800 - 0815	0	0	19	0	3	2	0	0	24	25.00
0815 - 0830	0	0	16	0	0	0	0	0	16	16.00
0830 - 0845	0	0	28	0	0	2	0	0	30	31.00
0845 - 0900	0	0	21	0	0	0	0	1	22	23.00
Hourly Total	0	0	84	0	3	4	0	1	92	95.00
Hourly Average	0.00	0.00	21.00	0.00	0.75	1.00	0.00	0.25	23.00	23.75
0900 - 0915	0	1	38	0	0	2	2	0	43	46.00
0915 - 0930	0	0	19	0	0	0	0	0	19	19.00
0930 - 0945	1	0	40	0	0	1	1	0	43	44.00
0945 - 1000	0	0	45	0	0	0	1	0	46	47.30
Hourly Total	1	1	142	0	0	3	4	0	151	156.30
Hourly Average	0.25	0.25	35.50	0.00	0.00	0.75	1.00	0.00	37.75	39.08
1000 - 1015	0	0	57	1	2	1	1	0	62	63.80
1015 - 1030	0	0	61	0	12	4	1	0	78	81.30
1030 - 1045	0	0	65	0	1	1	0	0	67	67.50
1045 - 1100	0	1	77	0	2	0	0	1	81	81.40
Hourly Total	0	1	260	1	17	6	2	1	288	294.00
Hourly Average	0.00	0.25	65.00	0.25	4.25	1.50	0.50	0.25	72.00	73.50
1100 - 1115	1	0	72	0	6	2	0	0	81	81.20
1115 - 1130	0	0	78	1	3	0	0	0	82	82.00
1130 - 1145	0	0	88	0	3	2	0	0	93	94.00
1145 - 1200	0	0	106	0	1	0	1	0	108	109.30
Hourly Total	1	0	344	1	13	4	1	0	364	366.50
Hourly Average	0.25	0.00	86.00	0.25	3.25	1.00	0.25	0.00	91.00	91.63
1200 - 1215	0	0	48	0	3	0	1	0	52	53.30
1215 - 1230	0	1	100	0	8	1	1	0	111	112.20
1230 - 1245	1	0	79	0	0	1	0	0	81	80.70
1245 - 1300	0	0	103	1	6	1	1	1	113	115.80
Hourly Total	1	1	330	1	17	3	3	1	357	362.00
Hourly Average	0.25	0.25	82.50	0.25	4.25	0.75	0.75	0.25	89.25	90.50
1300 - 1315	0	1	64	0	0	0	0	0	65	64.40
1315 - 1330	0	0	80	0	5	0	0	1	86	87.00
1330 - 1345	0	0	87	0	0	1	1	0	89	90.80
1345 - 1400	0	0	105	1	3	1	0	0	110	110.50
Hourly Total	0	1	336	1	8	2	1	1	350	352.70
Hourly Average	0.00	0.25	84.00	0.25	2.00	0.50	0.25	0.25	87.50	88.18
1400 - 1415	0	0	89	0	0	1	0	0	90	90.50
1415 - 1430	0	1	66	0	7	0	1	0	75	75.70
1430 - 1445	0	0	91	0	0	0	0	0	91	91.00
1445 - 1500	0	0	76	0	0	0	0	0	76	76.00
Hourly Total	0	1	322	0	7	1	1	0	332	333.20
Hourly Average	0.00	0.25	80.50	0.00	1.75	0.25	0.25	0.00	83.00	83.30
1500 - 1515	0	0	89	0	3	0	0	0	92	92.00
1515 - 1530	0	0	60	0	0	1	0	0	61	61.50
1530 - 1545	0	0	73	2	0	0	1	0	76	77.30
1545 - 1600	0	1	89	0	2	0	0	1	93	93.40
Hourly Total	0	1	311	2	5	1	1	1	322	324.20
Hourly Average	0.00	0.25	77.75	0.50	1.25	0.25	0.25	0.25	80.50	81.05
1600 - 1615	2	0	74	1	1	0	3	0	81	83.30
1615 - 1630	0	0	93	0	3	1	0	0	97	97.50
1630 - 1645	0	0	95	0	0	1	0	0	96	96.50
1645 - 1700	1	0	69	0	0	0	0	0	70	69.20
Hourly Total	3	0	331	1	4	2	3	0	344	346.50
Hourly Average	0.75	0.00	82.75	0.25	1.00	0.50	0.75	0.00	86.00	86.63
1700 - 1715	0	0	60	0	6	1	0	0	67	67.50
1715 - 1730	0	1	72	0	0	0	0	0	73	72.40
1730 - 1745	0	0	79	0	2	0	0	1	82	83.00
1745 - 1800	0	0	86	0	2	0	0	0	88	88.00
Hourly Total	0	1	297	0	10	1	0	1	310	310.90
Hourly Average	0.00	0.25	74.25	0.00	2.50	0.25	0.00	0.25	77.50	77.73
1800 - 1815	1	0	69	0	0	1	0	0	72	71.70
1815 - 1830	0	0	89	0	6	0	0	0	95	95.00
1830 - 1845	1	0	90	0	0	0	0	0	91	90.20
1845 - 1900	1	0	61	0	1	0	0	0	63	62.20
Hourly Total	3	0	309	1	7	1	0	0	321	319.10
Hourly Average	0.75	0.00	77.25	0.25	1.75	0.25	0.00	0.00	80.25	79.78
Session Total	10	7	3134	8	100	30	17	7	3313	3344.90
Session Average	0.21	0.15	65.29	0.17	2.08	0.63	0.35	0.15	69.02	69.69

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.1: Left from Caldbek Road to A41 New Chester Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	14	0	3	0	0	0	18	17.20
0715 - 0730	0	0	6	0	2	0	0	0	8	8.00
0730 - 0745	1	0	6	0	2	0	0	0	9	8.20
0745 - 0800	1	0	15	0	4	0	0	0	20	19.20
Hourly Total	3	0	41	0	11	0	0	0	55	52.60
Hourly Average	0.75	0.00	10.25	0.00	2.75	0.00	0.00	0.00	13.75	13.15
0800 - 0815	0	0	11	0	1	0	0	0	12	12.00
0815 - 0830	0	0	19	0	4	1	0	0	24	24.50
0830 - 0845	0	0	24	0	0	0	0	0	24	24.00
0845 - 0900	1	0	27	0	5	0	0	0	33	32.20
Hourly Total	1	0	81	0	10	1	0	0	93	92.70
Hourly Average	0.25	0.00	20.25	0.00	2.50	0.25	0.00	0.00	23.25	23.18
0900 - 0915	0	0	40	0	3	0	0	0	43	43.00
0915 - 0930	0	1	48	0	1	1	0	0	51	50.90
0930 - 0945	0	0	61	0	3	1	0	0	65	65.50
0945 - 1000	0	0	62	0	4	0	1	0	67	68.30
Hourly Total	0	1	211	0	11	2	1	0	226	227.70
Hourly Average	0.00	0.25	52.75	0.00	2.75	0.50	0.25	0.00	56.50	56.93
1000 - 1015	0	0	69	0	6	0	0	0	75	75.00
1015 - 1030	0	0	86	0	3	1	0	0	90	90.50
1030 - 1045	0	0	78	0	5	0	0	0	83	83.00
1045 - 1100	1	0	83	0	3	1	0	0	88	87.70
Hourly Total	1	0	316	0	17	2	0	0	336	336.20
Hourly Average	0.25	0.00	79.00	0.00	4.25	0.50	0.00	0.00	84.00	84.05
1100 - 1115	1	0	109	0	3	0	0	0	113	112.20
1115 - 1130	1	0	101	0	0	0	0	0	102	101.20
1130 - 1145	0	0	82	1	1	0	0	0	84	84.00
1145 - 1200	1	0	101	0	1	0	0	0	103	102.20
Hourly Total	3	0	393	1	5	0	0	0	402	399.60
Hourly Average	0.75	0.00	98.25	0.25	1.25	0.00	0.00	0.00	100.50	99.90
1200 - 1215	0	0	106	0	0	0	1	0	107	108.30
1215 - 1230	0	1	106	0	2	0	0	0	109	108.40
1230 - 1245	0	0	68	1	2	0	0	0	71	71.00
1245 - 1300	0	0	107	0	2	0	0	0	109	109.00
Hourly Total	0	1	387	1	6	0	1	0	396	396.70
Hourly Average	0.00	0.25	96.75	0.25	1.50	0.00	0.25	0.00	99.00	99.18
1300 - 1315	0	0	116	0	3	0	0	0	119	119.00
1315 - 1330	0	0	111	0	3	0	0	0	114	114.00
1330 - 1345	0	0	93	0	2	0	0	0	95	95.00
1345 - 1400	0	0	84	0	1	0	0	0	85	85.00
Hourly Total	0	0	404	0	9	0	0	0	413	413.00
Hourly Average	0.00	0.00	101.00	0.00	2.25	0.00	0.00	0.00	103.25	103.25
1400 - 1415	0	0	104	1	2	0	0	0	107	107.00
1415 - 1430	0	0	103	0	3	0	0	0	106	106.00
1430 - 1445	0	0	91	0	1	0	0	0	92	92.00
1445 - 1500	1	1	89	0	0	0	0	0	91	89.60
Hourly Total	1	1	387	1	6	0	0	0	396	394.60
Hourly Average	0.25	0.25	96.75	0.25	1.50	0.00	0.00	0.00	99.00	98.65
1500 - 1515	0	0	96	0	0	0	0	0	96	96.00
1515 - 1530	1	0	107	0	0	0	0	0	108	107.20
1530 - 1545	0	0	105	0	1	0	0	0	106	106.00
1545 - 1600	0	0	94	1	0	1	0	0	96	96.50
Hourly Total	1	0	402	1	1	1	0	0	406	405.70
Hourly Average	0.25	0.00	100.50	0.25	0.25	0.25	0.00	0.00	101.50	101.43
1600 - 1615	0	0	67	1	1	0	0	0	69	69.00
1615 - 1630	0	0	110	0	1	0	0	0	111	111.00
1630 - 1645	0	0	82	1	4	0	0	0	87	87.00
1645 - 1700	0	0	100	0	1	0	0	0	101	101.00
Hourly Total	0	0	359	2	7	0	0	0	368	368.00
Hourly Average	0.00	0.00	89.75	0.50	1.75	0.00	0.00	0.00	92.00	92.00
1700 - 1715	0	0	109	0	2	0	0	0	111	111.00
1715 - 1730	1	0	88	0	0	1	0	0	90	89.70
1730 - 1745	0	0	102	0	2	1	0	0	105	105.50
1745 - 1800	0	0	95	0	2	0	0	0	97	97.00
Hourly Total	1	0	394	0	6	2	0	0	403	403.20
Hourly Average	0.25	0.00	98.50	0.00	1.50	0.50	0.00	0.00	100.75	100.80
1800 - 1815	0	1	83	0	1	0	0	1	86	86.40
1815 - 1830	0	0	82	0	6	0	0	0	88	88.00
1830 - 1845	1	0	73	0	1	0	1	0	76	76.50
1845 - 1900	0	0	49	0	1	0	0	1	51	52.00
Hourly Total	1	1	287	0	9	0	1	2	301	302.90
Hourly Average	0.25	0.25	71.75	0.00	2.25	0.00	0.25	0.50	75.25	75.73
Session Total	12	4	3662	6	98	8	3	2	3795	3792.90
Session Average	0.25	0.08	76.29	0.13	2.04	0.17	0.06	0.04	79.06	79.02

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.2: Westbound from Caldbeck Road to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	17	0	2	0	0	1	20	21.00
0715 - 0730	0	1	11	0	3	1	0	1	17	17.90
0730 - 0745	0	0	13	0	3	1	0	0	17	17.50
0745 - 0800	0	0	20	0	2	0	0	2	24	26.00
Hourly Total	0	1	61	0	10	2	0	4	78	82.40
Hourly Average	0.00	0.25	15.25	0.00	2.50	0.50	0.00	1.00	19.50	20.60
0800 - 0815	0	0	24	0	4	0	0	2	30	32.00
0815 - 0830	0	0	21	0	4	0	0	2	27	29.00
0830 - 0845	0	0	23	0	4	1	0	1	29	30.50
0845 - 0900	0	0	33	0	6	2	0	1	42	44.00
Hourly Total	0	0	101	0	18	3	0	6	128	135.50
Hourly Average	0.00	0.00	25.25	0.00	4.50	0.75	0.00	1.50	32.00	33.88
0900 - 0915	0	0	40	0	13	0	0	1	54	55.00
0915 - 0930	0	0	68	0	9	0	0	2	79	81.00
0930 - 0945	0	0	39	0	5	1	0	1	46	47.50
0945 - 1000	0	0	48	0	8	1	0	2	59	61.50
Hourly Total	0	0	195	0	35	2	0	6	238	245.00
Hourly Average	0.00	0.00	48.75	0.00	8.75	0.50	0.00	1.50	59.50	61.25
1000 - 1015	0	1	56	0	11	0	0	1	69	69.40
1015 - 1030	0	0	65	0	5	0	0	2	72	74.00
1030 - 1045	0	0	77	0	11	3	0	1	92	94.50
1045 - 1100	0	0	88	0	7	1	0	1	97	98.50
Hourly Total	0	1	286	0	34	4	0	5	330	336.40
Hourly Average	0.00	0.25	71.50	0.00	8.50	1.00	0.00	1.25	82.50	84.10
1100 - 1115	0	0	80	0	4	1	0	2	87	89.50
1115 - 1130	0	0	110	0	5	2	1	2	120	124.30
1130 - 1145	0	0	93	0	4	0	0	1	98	99.00
1145 - 1200	0	0	93	0	2	0	0	2	97	99.00
Hourly Total	0	0	376	0	15	3	1	7	402	411.80
Hourly Average	0.00	0.00	94.00	0.00	3.75	0.75	0.25	1.75	100.50	102.95
1200 - 1215	0	0	132	0	5	1	0	0	138	138.50
1215 - 1230	0	0	80	0	2	0	0	2	84	86.00
1230 - 1245	0	0	108	0	7	2	0	1	118	120.00
1245 - 1300	0	1	97	0	4	0	0	1	103	103.40
Hourly Total	0	1	417	0	18	3	0	4	443	447.90
Hourly Average	0.00	0.25	104.25	0.00	4.50	0.75	0.00	1.00	110.75	111.98
1300 - 1315	0	1	114	0	6	0	0	1	122	122.40
1315 - 1330	0	0	102	0	4	0	0	1	107	108.00
1330 - 1345	0	1	91	0	5	1	0	1	99	99.90
1345 - 1400	0	0	97	0	9	2	0	1	109	111.00
Hourly Total	0	2	404	0	24	3	0	4	437	441.30
Hourly Average	0.00	0.50	101.00	0.00	6.00	0.75	0.00	1.00	109.25	110.33
1400 - 1415	0	0	100	0	10	0	0	2	112	114.00
1415 - 1430	0	0	116	0	5	0	0	2	123	125.00
1430 - 1445	0	1	99	0	8	0	0	1	109	109.40
1445 - 1500	0	0	116	0	9	0	0	2	127	129.00
Hourly Total	0	1	431	0	32	0	0	7	471	477.40
Hourly Average	0.00	0.25	107.75	0.00	8.00	0.00	0.00	1.75	117.75	119.35
1500 - 1515	0	0	125	0	5	2	0	0	132	133.00
1515 - 1530	1	1	104	0	7	0	0	4	117	119.60
1530 - 1545	0	0	106	0	6	0	0	1	113	114.00
1545 - 1600	0	0	113	0	5	1	0	1	120	121.50
Hourly Total	1	1	448	0	23	3	0	6	482	488.10
Hourly Average	0.25	0.25	112.00	0.00	5.75	0.75	0.00	1.50	120.50	122.03
1600 - 1615	0	0	112	0	6	0	0	1	119	120.00
1615 - 1630	0	0	91	0	7	0	0	2	100	102.00
1630 - 1645	0	0	117	0	4	0	0	0	121	121.00
1645 - 1700	0	0	100	1	4	0	0	2	107	109.00
Hourly Total	0	0	420	1	21	0	0	5	447	452.00
Hourly Average	0.00	0.00	105.00	0.25	5.25	0.00	0.00	1.25	111.75	113.00
1700 - 1715	0	0	111	0	4	0	0	2	117	119.00
1715 - 1730	1	0	101	0	4	0	0	1	107	107.20
1730 - 1745	1	0	119	0	2	0	0	2	124	125.20
1745 - 1800	0	0	96	0	5	0	0	1	102	103.00
Hourly Total	2	0	427	0	15	0	0	6	450	454.40
Hourly Average	0.50	0.00	106.75	0.00	3.75	0.00	0.00	1.50	112.50	113.60
1800 - 1815	0	0	106	0	3	0	0	1	110	111.00
1815 - 1830	0	0	97	0	1	0	0	2	100	102.00
1830 - 1845	0	0	92	0	2	0	0	0	94	94.00
1845 - 1900	0	0	103	0	2	0	0	1	106	107.00
Hourly Total	0	0	398	0	8	0	0	4	410	414.00
Hourly Average	0.00	0.00	99.50	0.00	2.00	0.00	0.00	1.00	102.50	103.50
Session Total	3	7	3964	1	253	23	1	64	4316	4386.20
Session Average	0.06	0.15	82.58	0.02	5.27	0.48	0.02	1.33	89.92	91.38



Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.2: Westbound from Caldbeck Road to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	9	0	1	0	0	0	10	10.00
0715 - 0730	0	0	7	0	1	1	0	1	10	11.50
0730 - 0745	0	0	6	0	1	0	0	0	7	7.00
0745 - 0800	0	0	9	0	2	0	0	1	12	13.00
Hourly Total	0	0	31	0	5	1	0	2	39	41.50
Hourly Average	0.00	0.00	7.75	0.00	1.25	0.25	0.00	0.50	9.75	10.38
0800 - 0815	0	0	13	0	3	0	0	1	17	18.00
0815 - 0830	0	0	24	0	3	0	0	1	28	29.00
0830 - 0845	0	0	18	0	3	0	0	1	22	23.00
0845 - 0900	0	0	25	0	3	1	0	1	30	31.50
Hourly Total	0	0	80	0	12	1	0	4	97	101.50
Hourly Average	0.00	0.00	20.00	0.00	3.00	0.25	0.00	1.00	24.25	25.38
0900 - 0915	0	0	42	0	3	0	0	1	46	47.00
0915 - 0930	0	1	48	0	2	0	0	1	52	52.40
0930 - 0945	0	0	50	0	3	0	0	1	54	55.00
0945 - 1000	0	0	59	0	0	0	0	1	60	61.00
Hourly Total	0	1	199	0	8	0	0	4	212	215.40
Hourly Average	0.00	0.25	49.75	0.00	2.00	0.00	0.00	1.00	53.00	53.85
1000 - 1015	0	0	75	0	3	0	0	1	79	80.00
1015 - 1030	0	0	78	0	5	0	0	1	84	85.00
1030 - 1045	0	0	82	0	4	0	0	1	87	88.00
1045 - 1100	0	0	74	0	6	0	0	1	81	82.00
Hourly Total	0	0	309	0	18	0	0	4	331	335.00
Hourly Average	0.00	0.00	77.25	0.00	4.50	0.00	0.00	1.00	82.75	83.75
1100 - 1115	0	1	88	0	3	1	0	1	94	94.90
1115 - 1130	0	0	94	0	7	0	0	1	102	103.00
1130 - 1145	0	0	94	0	8	0	0	1	103	104.00
1145 - 1200	0	1	96	0	7	0	0	1	105	105.40
Hourly Total	0	2	372	0	25	1	0	4	404	407.30
Hourly Average	0.00	0.50	93.00	0.00	6.25	0.25	0.00	1.00	101.00	101.83
1200 - 1215	0	0	95	0	6	0	0	1	102	103.00
1215 - 1230	0	0	110	0	0	0	0	1	111	112.00
1230 - 1245	0	0	111	0	6	0	0	0	117	117.00
1245 - 1300	0	0	120	0	2	0	0	2	124	126.00
Hourly Total	0	0	436	0	14	0	0	4	454	458.00
Hourly Average	0.00	0.00	109.00	0.00	3.50	0.00	0.00	1.00	113.50	114.50
1300 - 1315	0	0	105	0	2	0	0	1	108	109.00
1315 - 1330	0	0	117	0	4	0	0	0	121	121.00
1330 - 1345	0	0	102	0	4	0	0	2	108	110.00
1345 - 1400	0	0	110	0	5	0	0	1	116	117.00
Hourly Total	0	0	434	0	15	0	0	4	453	457.00
Hourly Average	0.00	0.00	108.50	0.00	3.75	0.00	0.00	1.00	113.25	114.25
1400 - 1415	0	0	109	0	4	0	0	1	114	115.00
1415 - 1430	0	0	121	0	2	0	0	0	123	123.00
1430 - 1445	0	0	108	0	4	0	0	1	113	114.00
1445 - 1500	0	0	109	0	5	0	0	1	115	116.00
Hourly Total	0	0	447	0	15	0	0	3	465	468.00
Hourly Average	0.00	0.00	111.75	0.00	3.75	0.00	0.00	0.75	116.25	117.00
1500 - 1515	0	1	113	0	2	0	0	2	118	119.40
1515 - 1530	0	0	122	0	2	0	0	1	125	126.00
1530 - 1545	0	2	129	0	1	0	0	1	133	132.80
1545 - 1600	0	0	125	0	2	0	0	0	127	127.00
Hourly Total	0	3	489	0	7	0	0	4	503	505.20
Hourly Average	0.00	0.75	122.25	0.00	1.75	0.00	0.00	1.00	125.75	126.30
1600 - 1615	0	0	119	0	2	0	0	2	123	125.00
1615 - 1630	0	0	108	0	4	0	0	1	113	114.00
1630 - 1645	0	0	128	0	2	0	0	1	131	132.00
1645 - 1700	0	0	113	0	0	0	0	0	113	113.00
Hourly Total	0	0	468	0	8	0	0	4	480	484.00
Hourly Average	0.00	0.00	117.00	0.00	2.00	0.00	0.00	1.00	120.00	121.00
1700 - 1715	0	0	121	0	2	0	0	2	125	127.00
1715 - 1730	0	0	112	0	2	0	0	1	115	116.00
1730 - 1745	0	0	104	0	1	0	0	1	106	107.00
1745 - 1800	0	0	96	0	2	0	0	1	99	100.00
Hourly Total	0	0	433	0	7	0	0	5	445	450.00
Hourly Average	0.00	0.00	108.25	0.00	1.75	0.00	0.00	1.25	111.25	112.50
1800 - 1815	0	0	98	0	5	0	0	0	103	103.00
1815 - 1830	0	1	82	0	3	0	0	1	87	87.40
1830 - 1845	0	0	82	0	4	0	0	1	87	88.00
1845 - 1900	0	0	54	0	2	0	0	0	56	56.00
Hourly Total	0	1	316	0	14	0	0	2	333	334.40
Hourly Average	0.00	0.25	79.00	0.00	3.50	0.00	0.00	0.50	83.25	83.60
Session Total	0	7	4014	0	148	3	0	44	4216	4257.30
Session Average	0.00	0.15	83.63	0.00	3.08	0.06	0.00	0.92	87.83	88.69

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.3: Right from Caldbeck Road to A41 New Chester Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	4	0	0	0	0	0	4	4.00
0715 - 0730	0	0	7	0	0	0	0	0	7	7.00
0730 - 0745	0	0	5	0	2	0	0	0	7	7.00
0745 - 0800	0	0	6	0	0	0	0	0	6	6.00
Hourly Total	0	0	22	0	2	0	0	0	24	24.00
Hourly Average	0.00	0.00	5.50	0.00	0.50	0.00	0.00	0.00	6.00	6.00
0800 - 0815	0	0	9	0	2	0	0	0	11	11.00
0815 - 0830	0	0	7	0	5	0	0	0	12	12.00
0830 - 0845	0	0	9	1	4	0	0	0	14	14.00
0845 - 0900	0	1	11	0	5	1	0	0	18	17.90
Hourly Total	0	1	36	1	16	1	0	0	55	54.90
Hourly Average	0.00	0.25	9.00	0.25	4.00	0.25	0.00	0.00	13.75	13.73
0900 - 0915	0	0	13	0	6	0	0	0	19	19.00
0915 - 0930	0	0	10	0	3	2	0	0	15	16.00
0930 - 0945	1	0	14	0	3	0	0	0	18	17.20
0945 - 1000	0	0	17	0	1	0	0	0	18	18.00
Hourly Total	1	0	54	0	13	2	0	0	70	70.20
Hourly Average	0.25	0.00	13.50	0.00	3.25	0.50	0.00	0.00	17.50	17.55
1000 - 1015	0	0	13	0	3	0	0	0	16	16.00
1015 - 1030	0	0	22	0	3	2	0	0	27	28.00
1030 - 1045	0	0	21	1	7	0	0	0	29	29.00
1045 - 1100	0	0	18	0	2	2	0	0	22	23.00
Hourly Total	0	0	74	1	15	4	0	0	94	96.00
Hourly Average	0.00	0.00	18.50	0.25	3.75	1.00	0.00	0.00	23.50	24.00
1100 - 1115	0	0	12	0	2	0	0	0	14	14.00
1115 - 1130	0	0	28	0	3	0	1	0	32	33.30
1130 - 1145	0	0	20	0	4	0	0	0	24	24.00
1145 - 1200	0	0	13	0	4	2	0	0	19	20.00
Hourly Total	0	0	73	0	13	2	1	0	89	91.30
Hourly Average	0.00	0.00	18.25	0.00	3.25	0.50	0.25	0.00	22.25	22.83
1200 - 1215	0	0	24	0	4	1	1	0	30	31.80
1215 - 1230	0	0	19	0	6	0	0	0	25	25.00
1230 - 1245	0	0	24	0	1	0	0	0	25	25.00
1245 - 1300	0	0	20	0	3	0	0	0	23	23.00
Hourly Total	0	0	87	0	14	1	1	0	103	104.80
Hourly Average	0.00	0.00	21.75	0.00	3.50	0.25	0.25	0.00	25.75	26.20
1300 - 1315	0	0	40	0	0	0	0	0	40	40.00
1315 - 1330	0	0	32	0	0	0	0	0	32	32.00
1330 - 1345	0	0	26	0	2	0	0	0	28	28.00
1345 - 1400	0	0	24	0	2	0	1	0	27	28.30
Hourly Total	0	0	122	0	4	0	1	0	127	128.30
Hourly Average	0.00	0.00	30.50	0.00	1.00	0.00	0.25	0.00	31.75	32.08
1400 - 1415	0	0	31	0	2	1	0	0	34	34.50
1415 - 1430	0	0	26	1	1	0	0	0	28	28.00
1430 - 1445	0	0	31	0	4	1	0	0	36	36.50
1445 - 1500	0	0	30	0	1	0	0	0	31	31.00
Hourly Total	0	0	118	1	8	2	0	0	129	130.00
Hourly Average	0.00	0.00	29.50	0.25	2.00	0.50	0.00	0.00	32.25	32.50
1500 - 1515	0	0	29	0	5	0	0	0	34	34.00
1515 - 1530	0	0	31	0	3	0	0	0	34	34.00
1530 - 1545	0	0	33	0	0	0	0	0	33	33.00
1545 - 1600	0	1	30	0	6	0	0	0	37	36.40
Hourly Total	0	1	123	0	14	0	0	0	138	137.40
Hourly Average	0.00	0.25	30.75	0.00	3.50	0.00	0.00	0.00	34.50	34.35
1600 - 1615	0	0	28	0	3	0	0	0	31	31.00
1615 - 1630	0	0	26	0	2	0	0	0	28	28.00
1630 - 1645	0	0	39	0	1	0	0	0	40	40.00
1645 - 1700	0	0	24	0	2	0	0	0	26	26.00
Hourly Total	0	0	117	0	8	0	0	0	125	125.00
Hourly Average	0.00	0.00	29.25	0.00	2.00	0.00	0.00	0.00	31.25	31.25
1700 - 1715	0	0	54	0	1	1	0	0	56	56.50
1715 - 1730	0	0	40	0	1	0	0	0	41	41.00
1730 - 1745	0	0	34	0	2	0	0	0	36	36.00
1745 - 1800	0	0	24	0	0	0	0	0	24	24.00
Hourly Total	0	0	152	0	4	1	0	0	157	157.50
Hourly Average	0.00	0.00	38.00	0.00	1.00	0.25	0.00	0.00	39.25	39.38
1800 - 1815	0	0	40	0	0	0	0	0	40	40.00
1815 - 1830	0	0	28	0	0	0	0	0	28	28.00
1830 - 1845	0	0	19	0	1	0	0	0	20	20.00
1845 - 1900	0	0	15	1	0	0	0	0	16	16.00
Hourly Total	0	0	102	1	1	0	0	0	104	104.00
Hourly Average	0.00	0.00	25.50	0.25	0.25	0.00	0.00	0.00	26.00	26.00
Session Total	1	2	1080	4	112	13	3	0	1215	1223.40
Session Average	0.02	0.04	22.50	0.08	2.33	0.27	0.06	0.00	25.31	25.49

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.3: Right from Caldbeck Road to A41 New Chester Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	5	0	0	0	0	0	6	5.20
0715 - 0730	0	0	5	0	0	0	0	0	5	5.00
0730 - 0745	0	0	1	0	1	0	0	0	2	2.00
0745 - 0800	0	0	3	0	2	1	0	0	6	6.50
Hourly Total	1	0	14	0	3	1	0	0	19	18.70
Hourly Average	0.25	0.00	3.50	0.00	0.75	0.25	0.00	0.00	4.75	4.68
0800 - 0815	0	0	3	0	1	0	0	0	4	4.00
0815 - 0830	0	0	3	0	1	1	0	0	5	5.50
0830 - 0845	0	0	5	0	2	1	0	0	8	8.50
0845 - 0900	0	0	7	0	3	0	0	0	10	10.00
Hourly Total	0	0	18	0	7	2	0	0	27	28.00
Hourly Average	0.00	0.00	4.50	0.00	1.75	0.50	0.00	0.00	6.75	7.00
0900 - 0915	0	0	5	0	3	1	0	0	9	9.50
0915 - 0930	0	0	7	0	1	0	0	0	8	8.00
0930 - 0945	0	0	14	0	1	0	0	0	15	15.00
0945 - 1000	0	0	10	0	1	1	0	0	12	12.50
Hourly Total	0	0	36	0	6	2	0	0	44	45.00
Hourly Average	0.00	0.00	9.00	0.00	1.50	0.50	0.00	0.00	11.00	11.25
1000 - 1015	0	0	23	0	2	0	0	0	25	25.00
1015 - 1030	0	0	19	0	2	0	0	0	21	21.00
1030 - 1045	0	0	16	0	1	0	0	0	17	17.00
1045 - 1100	0	0	16	0	1	0	0	0	17	17.00
Hourly Total	0	0	74	0	6	0	0	0	80	80.00
Hourly Average	0.00	0.00	18.50	0.00	1.50	0.00	0.00	0.00	20.00	20.00
1100 - 1115	0	0	20	0	0	0	0	0	20	20.00
1115 - 1130	0	0	15	0	1	0	0	0	16	16.00
1130 - 1145	0	0	27	0	0	0	0	0	27	27.00
1145 - 1200	0	0	25	0	0	0	0	0	25	25.00
Hourly Total	0	0	87	0	1	0	0	0	88	88.00
Hourly Average	0.00	0.00	21.75	0.00	0.25	0.00	0.00	0.00	22.00	22.00
1200 - 1215	0	0	28	0	0	0	0	0	28	28.00
1215 - 1230	0	0	29	0	2	1	0	0	32	32.50
1230 - 1245	0	0	31	0	0	0	0	0	31	31.00
1245 - 1300	0	0	34	0	0	0	0	0	34	34.00
Hourly Total	0	0	122	0	2	1	0	0	125	125.50
Hourly Average	0.00	0.00	30.50	0.00	0.50	0.25	0.00	0.00	31.25	31.38
1300 - 1315	0	0	31	0	0	0	0	0	31	31.00
1315 - 1330	0	0	40	0	1	0	0	0	41	41.00
1330 - 1345	0	0	33	0	0	0	0	0	33	33.00
1345 - 1400	0	0	34	0	0	0	0	0	34	34.00
Hourly Total	0	0	138	0	1	0	0	0	139	139.00
Hourly Average	0.00	0.00	34.50	0.00	0.25	0.00	0.00	0.00	34.75	34.75
1400 - 1415	0	0	29	0	1	0	0	0	30	30.00
1415 - 1430	0	0	30	0	1	0	1	0	32	33.30
1430 - 1445	0	0	39	0	3	0	0	0	42	42.00
1445 - 1500	0	0	27	0	2	0	0	0	29	29.00
Hourly Total	0	0	125	0	7	0	1	0	133	134.30
Hourly Average	0.00	0.00	31.25	0.00	1.75	0.00	0.25	0.00	33.25	33.58
1500 - 1515	0	0	29	0	0	0	0	0	29	29.00
1515 - 1530	0	0	32	0	0	0	0	0	32	32.00
1530 - 1545	0	0	33	0	1	0	0	0	34	34.00
1545 - 1600	0	0	28	0	1	0	0	0	29	29.00
Hourly Total	0	0	122	0	2	0	0	0	124	124.00
Hourly Average	0.00	0.00	30.50	0.00	0.50	0.00	0.00	0.00	31.00	31.00
1600 - 1615	0	0	37	0	0	0	0	0	37	37.00
1615 - 1630	0	0	40	0	1	0	0	0	41	41.00
1630 - 1645	0	0	29	0	1	0	0	0	30	30.00
1645 - 1700	0	0	31	0	1	0	1	0	33	34.30
Hourly Total	0	0	137	0	3	0	1	0	141	142.30
Hourly Average	0.00	0.00	34.25	0.00	0.75	0.00	0.25	0.00	35.25	35.58
1700 - 1715	0	0	26	0	0	0	0	0	26	26.00
1715 - 1730	0	0	31	0	0	0	0	0	31	31.00
1730 - 1745	0	0	27	0	1	0	0	0	28	28.00
1745 - 1800	0	0	29	0	1	0	0	0	30	30.00
Hourly Total	0	0	113	0	2	0	0	0	115	115.00
Hourly Average	0.00	0.00	28.25	0.00	0.50	0.00	0.00	0.00	28.75	28.75
1800 - 1815	0	0	25	0	0	0	0	0	25	25.00
1815 - 1830	0	0	28	0	0	0	0	0	28	28.00
1830 - 1845	0	1	15	0	3	0	0	0	19	18.40
1845 - 1900	0	0	12	0	1	0	0	0	13	13.00
Hourly Total	0	1	80	0	4	0	0	0	85	84.40
Hourly Average	0.00	0.25	20.00	0.00	1.00	0.00	0.00	0.00	21.25	21.10
Session Total	1	1	1066	0	44	6	2	0	1120	1124.20
Session Average	0.02	0.02	22.21	0.00	0.92	0.13	0.04	0.00	23.33	23.42

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.4: Left from A41 New Chester Road (South) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	4	0	1	0	0	1	6	7.00
0715 - 0730	0	0	2	0	1	0	0	0	3	3.00
0730 - 0745	1	0	4	0	0	0	0	0	5	4.20
0745 - 0800	0	0	3	0	1	0	0	0	4	4.00
Hourly Total	1	0	13	0	3	0	0	1	18	18.20
Hourly Average	0.25	0.00	3.25	0.00	0.75	0.00	0.00	0.25	4.50	4.55
0800 - 0815	0	0	4	0	1	0	0	0	5	5.00
0815 - 0830	0	0	1	0	0	0	0	1	2	3.00
0830 - 0845	0	0	4	0	1	0	1	2	8	11.30
0845 - 0900	0	0	3	0	0	1	0	0	4	4.50
Hourly Total	0	0	12	0	2	1	1	3	19	23.80
Hourly Average	0.00	0.00	3.00	0.00	0.50	0.25	0.25	0.75	4.75	5.95
0900 - 0915	0	0	4	0	1	0	0	0	5	5.00
0915 - 0930	0	0	5	0	1	0	0	1	7	8.00
0930 - 0945	0	0	9	0	2	0	0	0	11	11.00
0945 - 1000	0	0	4	0	2	0	0	0	6	6.00
Hourly Total	0	0	22	0	6	0	0	1	29	30.00
Hourly Average	0.00	0.00	5.50	0.00	1.50	0.00	0.00	0.25	7.25	7.50
1000 - 1015	0	2	9	0	1	0	0	0	12	10.80
1015 - 1030	0	0	5	0	3	1	0	1	10	11.50
1030 - 1045	0	0	2	0	4	0	0	0	6	6.00
1045 - 1100	0	0	5	0	3	1	0	0	9	9.50
Hourly Total	0	2	21	0	11	2	0	1	37	37.80
Hourly Average	0.00	0.50	5.25	0.00	2.75	0.50	0.00	0.25	9.25	9.45
1100 - 1115	0	0	10	0	4	0	0	0	14	14.00
1115 - 1130	0	0	4	0	1	0	0	1	6	7.00
1130 - 1145	0	0	4	0	1	0	0	0	5	5.00
1145 - 1200	0	0	7	0	3	1	0	0	11	11.50
Hourly Total	0	0	25	0	9	1	0	1	36	37.50
Hourly Average	0.00	0.00	6.25	0.00	2.25	0.25	0.00	0.25	9.00	9.38
1200 - 1215	0	0	11	0	2	0	1	0	14	15.30
1215 - 1230	0	0	7	0	3	1	0	1	12	13.50
1230 - 1245	0	0	6	0	1	1	0	0	8	8.50
1245 - 1300	0	0	6	0	1	1	0	0	8	8.50
Hourly Total	0	0	30	0	7	3	1	1	42	45.80
Hourly Average	0.00	0.00	7.50	0.00	1.75	0.75	0.25	0.25	10.50	11.45
1300 - 1315	0	0	5	0	2	1	0	0	8	8.50
1315 - 1330	0	0	5	0	3	0	0	0	8	8.00
1330 - 1345	0	0	8	0	1	0	0	1	10	11.00
1345 - 1400	0	0	6	0	1	1	0	0	8	8.50
Hourly Total	0	0	24	0	7	2	0	1	34	36.00
Hourly Average	0.00	0.00	6.00	0.00	1.75	0.50	0.00	0.25	8.50	9.00
1400 - 1415	0	0	4	0	2	0	0	0	6	6.00
1415 - 1430	0	0	6	1	0	0	0	1	8	9.00
1430 - 1445	0	0	8	0	1	0	0	0	9	9.00
1445 - 1500	0	0	10	0	1	0	0	0	11	11.00
Hourly Total	0	0	28	1	4	0	0	1	34	35.00
Hourly Average	0.00	0.00	7.00	0.25	1.00	0.00	0.00	0.25	8.50	8.75
1500 - 1515	0	0	6	0	1	0	0	0	7	7.00
1515 - 1530	0	0	6	0	0	1	0	0	7	7.50
1530 - 1545	0	0	7	0	0	0	0	0	7	7.00
1545 - 1600	0	0	4	0	2	0	0	0	6	6.00
Hourly Total	0	0	23	0	3	1	0	0	27	27.50
Hourly Average	0.00	0.00	5.75	0.00	0.75	0.25	0.00	0.00	6.75	6.88
1600 - 1615	0	0	17	0	0	0	0	0	17	17.00
1615 - 1630	0	0	11	0	1	0	0	1	13	14.00
1630 - 1645	0	0	19	0	1	0	0	0	20	20.00
1645 - 1700	0	0	8	0	1	0	0	0	9	9.00
Hourly Total	0	0	55	0	3	0	0	1	59	60.00
Hourly Average	0.00	0.00	13.75	0.00	0.75	0.00	0.00	0.25	14.75	15.00
1700 - 1715	0	0	16	0	0	0	0	0	16	16.00
1715 - 1730	0	0	13	0	2	0	0	1	16	17.00
1730 - 1745	0	0	14	0	1	0	0	0	15	15.00
1745 - 1800	0	0	8	0	1	0	0	0	9	9.00
Hourly Total	0	0	51	0	4	0	0	1	56	57.00
Hourly Average	0.00	0.00	12.75	0.00	1.00	0.00	0.00	0.25	14.00	14.25
1800 - 1815	0	0	7	0	0	0	0	0	7	7.00
1815 - 1830	1	0	8	0	0	0	0	0	9	8.20
1830 - 1845	0	0	9	0	0	0	0	1	10	11.00
1845 - 1900	0	0	6	0	0	0	0	0	6	6.00
Hourly Total	1	0	30	0	0	0	0	1	32	32.20
Hourly Average	0.25	0.00	7.50	0.00	0.00	0.00	0.00	0.25	8.00	8.05
Session Total	2	2	334	1	59	10	2	13	423	440.80
Session Average	0.04	0.04	6.96	0.02	1.23	0.21	0.04	0.27	8.81	9.18

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.4: Left from A41 New Chester Road (South) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	0	0	0.00
0715 - 0730	0	0	1	0	0	0	0	1	2	3.00
0730 - 0745	0	0	1	0	0	1	0	0	2	2.50
0745 - 0800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	3	0	0	1	0	1	5	6.50
Hourly Average	0.00	0.00	0.75	0.00	0.00	0.25	0.00	0.25	1.25	1.63
0800 - 0815	0	0	2	0	0	0	0	1	3	4.00
0815 - 0830	0	0	4	0	0	0	0	0	4	4.00
0830 - 0845	0	0	2	0	1	0	0	0	3	3.00
0845 - 0900	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	9	0	1	0	0	1	11	12.00
Hourly Average	0.00	0.00	2.25	0.00	0.25	0.00	0.00	0.25	2.75	3.00
0900 - 0915	0	0	2	0	1	0	0	1	4	5.00
0915 - 0930	0	0	2	0	0	0	0	0	2	2.00
0930 - 0945	0	0	2	0	0	0	0	0	2	2.00
0945 - 1000	0	0	3	0	1	0	0	0	4	4.00
Hourly Total	0	0	9	0	2	0	0	1	12	13.00
Hourly Average	0.00	0.00	2.25	0.00	0.50	0.00	0.00	0.25	3.00	3.25
1000 - 1015	0	0	7	0	1	0	0	1	9	10.00
1015 - 1030	0	0	6	0	0	0	0	0	6	6.00
1030 - 1045	0	0	3	0	0	0	0	0	3	3.00
1045 - 1100	0	0	10	0	0	0	0	0	10	10.00
Hourly Total	0	0	26	0	1	0	0	1	28	29.00
Hourly Average	0.00	0.00	6.50	0.00	0.25	0.00	0.00	0.25	7.00	7.25
1100 - 1115	0	0	16	0	1	1	0	1	19	20.50
1115 - 1130	0	0	14	0	1	0	0	0	15	15.00
1130 - 1145	0	0	6	0	1	0	0	0	7	7.00
1145 - 1200	0	1	4	0	0	0	0	0	5	4.40
Hourly Total	0	1	40	0	3	1	0	1	46	46.90
Hourly Average	0.00	0.25	10.00	0.00	0.75	0.25	0.00	0.25	11.50	11.73
1200 - 1215	0	0	12	0	0	0	0	1	13	14.00
1215 - 1230	0	0	5	0	1	0	0	0	6	6.00
1230 - 1245	0	0	12	0	1	0	0	0	13	13.00
1245 - 1300	0	0	7	0	1	0	0	0	8	8.00
Hourly Total	0	0	36	0	3	0	0	1	40	41.00
Hourly Average	0.00	0.00	9.00	0.00	0.75	0.00	0.00	0.25	10.00	10.25
1300 - 1315	0	0	9	0	0	0	0	0	9	9.00
1315 - 1330	0	0	6	0	0	0	0	1	7	8.00
1330 - 1345	0	0	9	0	1	0	0	0	10	10.00
1345 - 1400	0	0	13	0	0	0	0	0	13	13.00
Hourly Total	0	0	37	0	1	0	0	1	39	40.00
Hourly Average	0.00	0.00	9.25	0.00	0.25	0.00	0.00	0.25	9.75	10.00
1400 - 1415	0	0	9	0	0	0	0	0	9	9.00
1415 - 1430	0	0	11	0	0	0	0	1	12	13.00
1430 - 1445	0	0	9	0	0	0	0	0	9	9.00
1445 - 1500	0	0	9	0	1	0	0	0	10	10.00
Hourly Total	0	0	38	0	1	0	0	1	40	41.00
Hourly Average	0.00	0.00	9.50	0.00	0.25	0.00	0.00	0.25	10.00	10.25
1500 - 1515	0	0	16	0	0	0	0	0	16	16.00
1515 - 1530	0	1	9	0	0	0	0	1	11	11.40
1530 - 1545	0	0	8	0	0	0	0	0	8	8.00
1545 - 1600	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	1	36	0	0	0	0	1	38	38.40
Hourly Average	0.00	0.25	9.00	0.00	0.00	0.00	0.00	0.25	9.50	9.60
1600 - 1615	0	0	6	0	0	0	0	0	6	6.00
1615 - 1630	0	1	14	0	0	0	0	1	16	16.40
1630 - 1645	0	0	6	0	0	0	0	0	6	6.00
1645 - 1700	0	0	6	1	1	0	0	0	8	8.00
Hourly Total	0	1	32	1	1	0	0	1	36	36.40
Hourly Average	0.00	0.25	8.00	0.25	0.25	0.00	0.00	0.25	9.00	9.10
1700 - 1715	0	0	3	0	0	0	0	0	3	3.00
1715 - 1730	0	0	6	0	0	0	0	1	7	8.00
1730 - 1745	0	0	8	0	0	0	0	0	8	8.00
1745 - 1800	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	19	0	0	0	0	1	20	21.00
Hourly Average	0.00	0.00	4.75	0.00	0.00	0.00	0.00	0.25	5.00	5.25
1800 - 1815	0	0	6	0	1	0	0	0	7	7.00
1815 - 1830	0	0	2	0	0	0	0	1	3	4.00
1830 - 1845	0	1	5	0	0	0	0	0	6	5.40
1845 - 1900	0	0	6	0	0	0	0	0	6	6.00
Hourly Total	0	1	19	0	1	0	0	1	22	22.40
Hourly Average	0.00	0.25	4.75	0.00	0.25	0.00	0.00	0.25	5.50	5.60
Session Total	0	4	304	1	14	2	0	12	337	347.60
Session Average	0.00	0.08	6.33	0.02	0.29	0.04	0.00	0.25	7.02	7.24

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

Movement 2.5: Northbound from A41 New Chester Road (South) to A41 New Chester Road (North)									Original Data	
TIME	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	1	133	0	17	5	1	0	158	160.40
0715 - 0730	1	2	150	0	17	4	3	0	177	180.90
0730 - 0745	0	7	141	0	21	7	4	0	180	184.50
0745 - 0800	0	2	167	0	21	3	5	0	198	204.80
<b>Hourly Total</b>	<b>2</b>	<b>12</b>	<b>591</b>	<b>0</b>	<b>76</b>	<b>19</b>	<b>13</b>	<b>0</b>	<b>713</b>	<b>730.60</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>3.00</b>	<b>147.75</b>	<b>0.00</b>	<b>19.00</b>	<b>4.75</b>	<b>3.25</b>	<b>0.00</b>	<b>178.25</b>	<b>182.65</b>
0800 - 0815	2	5	178	1	21	4	6	0	217	222.20
0815 - 0830	0	3	160	0	19	2	4	0	188	192.40
0830 - 0845	1	1	176	0	28	7	4	0	217	224.30
0845 - 0900	0	2	163	0	23	2	9	0	199	210.50
<b>Hourly Total</b>	<b>3</b>	<b>11</b>	<b>677</b>	<b>1</b>	<b>91</b>	<b>15</b>	<b>23</b>	<b>0</b>	<b>821</b>	<b>849.40</b>
<b>Hourly Average</b>	<b>0.75</b>	<b>2.75</b>	<b>169.25</b>	<b>0.25</b>	<b>22.75</b>	<b>3.75</b>	<b>5.75</b>	<b>0.00</b>	<b>205.25</b>	<b>212.35</b>
0900 - 0915	1	3	168	0	24	7	6	0	209	217.70
0915 - 0930	0	1	118	0	30	6	4	1	160	168.60
0930 - 0945	0	0	95	1	19	6	8	2	131	146.40
0945 - 1000	0	4	97	0	16	6	6	0	129	137.40
<b>Hourly Total</b>	<b>1</b>	<b>8</b>	<b>478</b>	<b>1</b>	<b>89</b>	<b>25</b>	<b>24</b>	<b>3</b>	<b>629</b>	<b>670.10</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>2.00</b>	<b>119.50</b>	<b>0.25</b>	<b>22.25</b>	<b>6.25</b>	<b>6.00</b>	<b>0.75</b>	<b>157.25</b>	<b>167.53</b>
1000 - 1015	0	0	105	0	20	6	6	2	139	151.80
1015 - 1030	0	3	92	1	19	5	7	1	128	138.80
1030 - 1045	0	2	85	0	12	6	4	1	110	118.00
1045 - 1100	0	1	107	0	17	5	8	1	139	152.30
<b>Hourly Total</b>	<b>0</b>	<b>6</b>	<b>389</b>	<b>1</b>	<b>68</b>	<b>22</b>	<b>25</b>	<b>5</b>	<b>516</b>	<b>560.90</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.50</b>	<b>97.25</b>	<b>0.25</b>	<b>17.00</b>	<b>5.50</b>	<b>6.25</b>	<b>1.25</b>	<b>129.00</b>	<b>140.23</b>
1100 - 1115	0	1	108	1	20	3	3	1	137	142.80
1115 - 1130	0	0	98	0	15	4	7	0	124	135.10
1130 - 1145	0	3	110	0	20	4	7	0	144	153.30
1145 - 1200	0	0	89	0	19	5	3	1	117	124.40
<b>Hourly Total</b>	<b>0</b>	<b>4</b>	<b>405</b>	<b>1</b>	<b>74</b>	<b>16</b>	<b>20</b>	<b>2</b>	<b>522</b>	<b>555.60</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.00</b>	<b>101.25</b>	<b>0.25</b>	<b>18.50</b>	<b>4.00</b>	<b>5.00</b>	<b>0.50</b>	<b>130.50</b>	<b>138.90</b>
1200 - 1215	0	1	97	0	13	6	5	0	122	130.90
1215 - 1230	0	2	98	2	13	5	6	1	127	137.10
1230 - 1245	0	0	96	1	14	6	7	2	126	140.10
1245 - 1300	0	0	95	0	9	1	2	2	109	114.10
<b>Hourly Total</b>	<b>0</b>	<b>3</b>	<b>386</b>	<b>3</b>	<b>49</b>	<b>18</b>	<b>20</b>	<b>5</b>	<b>484</b>	<b>522.20</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.75</b>	<b>96.50</b>	<b>0.75</b>	<b>12.25</b>	<b>4.50</b>	<b>5.00</b>	<b>1.25</b>	<b>121.00</b>	<b>130.55</b>
1300 - 1315	1	3	97	1	21	2	3	0	128	130.30
1315 - 1330	0	0	108	0	16	5	4	2	135	144.70
1330 - 1345	0	1	122	1	20	1	5	1	151	158.40
1345 - 1400	0	0	105	1	20	9	6	0	141	153.30
<b>Hourly Total</b>	<b>1</b>	<b>4</b>	<b>432</b>	<b>3</b>	<b>77</b>	<b>17</b>	<b>18</b>	<b>3</b>	<b>555</b>	<b>586.70</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>1.00</b>	<b>108.00</b>	<b>0.75</b>	<b>19.25</b>	<b>4.25</b>	<b>4.50</b>	<b>0.75</b>	<b>138.75</b>	<b>146.68</b>
1400 - 1415	0	0	114	2	12	6	5	0	139	148.50
1415 - 1430	0	0	108	0	18	5	3	1	135	142.40
1430 - 1445	0	2	113	1	24	8	8	0	156	169.20
1445 - 1500	1	1	91	0	18	4	6	1	122	131.40
<b>Hourly Total</b>	<b>1</b>	<b>3</b>	<b>426</b>	<b>3</b>	<b>72</b>	<b>23</b>	<b>22</b>	<b>2</b>	<b>552</b>	<b>591.50</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.75</b>	<b>106.50</b>	<b>0.75</b>	<b>18.00</b>	<b>5.75</b>	<b>5.50</b>	<b>0.50</b>	<b>138.00</b>	<b>147.88</b>
1500 - 1515	0	1	105	1	19	2	4	0	132	137.60
1515 - 1530	0	1	120	1	23	5	1	2	153	158.20
1530 - 1545	0	3	137	1	30	5	3	2	181	187.60
1545 - 1600	0	1	91	0	7	3	8	0	110	121.30
<b>Hourly Total</b>	<b>0</b>	<b>6</b>	<b>453</b>	<b>3</b>	<b>79</b>	<b>15</b>	<b>16</b>	<b>4</b>	<b>576</b>	<b>604.70</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.50</b>	<b>113.25</b>	<b>0.75</b>	<b>19.75</b>	<b>3.75</b>	<b>4.00</b>	<b>1.00</b>	<b>144.00</b>	<b>151.18</b>
1600 - 1615	1	2	112	0	16	2	2	0	135	136.60
1615 - 1630	1	2	133	1	24	2	2	2	167	170.60
1630 - 1645	0	0	153	0	16	0	3	2	174	179.90
1645 - 1700	2	3	135	0	20	2	3	0	165	166.50
<b>Hourly Total</b>	<b>4</b>	<b>7</b>	<b>533</b>	<b>1</b>	<b>76</b>	<b>6</b>	<b>10</b>	<b>4</b>	<b>641</b>	<b>653.60</b>
<b>Hourly Average</b>	<b>1.00</b>	<b>1.75</b>	<b>133.25</b>	<b>0.25</b>	<b>19.00</b>	<b>1.50</b>	<b>2.50</b>	<b>1.00</b>	<b>160.25</b>	<b>163.40</b>
1700 - 1715	0	6	131	0	12	3	4	1	157	161.10
1715 - 1730	1	0	104	0	14	1	0	1	121	121.70
1730 - 1745	0	3	130	0	9	0	0	2	144	144.20
1745 - 1800	0	1	126	1	7	0	5	0	140	145.90
<b>Hourly Total</b>	<b>1</b>	<b>10</b>	<b>491</b>	<b>1</b>	<b>42</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>562</b>	<b>572.90</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>2.50</b>	<b>122.75</b>	<b>0.25</b>	<b>10.50</b>	<b>1.00</b>	<b>2.25</b>	<b>1.00</b>	<b>140.50</b>	<b>143.23</b>
1800 - 1815	1	1	113	5	3	1	3	0	127	130.00
1815 - 1830	0	1	128	1	8	2	2	1	143	147.00
1830 - 1845	0	2	113	1	7	2	1	2	128	131.10
1845 - 1900	0	0	79	0	5	0	2	1	87	90.60
<b>Hourly Total</b>	<b>1</b>	<b>4</b>	<b>433</b>	<b>7</b>	<b>23</b>	<b>5</b>	<b>8</b>	<b>4</b>	<b>485</b>	<b>498.70</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>1.00</b>	<b>108.25</b>	<b>1.75</b>	<b>5.75</b>	<b>1.25</b>	<b>2.00</b>	<b>1.00</b>	<b>121.25</b>	<b>124.68</b>

Session Total	14	78	5694	25	816	185	208	36	7056	7396.90
<b>Session Average</b>	<b>0.29</b>	<b>1.63</b>	<b>118.63</b>	<b>0.52</b>	<b>17.00</b>	<b>3.85</b>	<b>4.33</b>	<b>0.75</b>	<b>147.00</b>	<b>154.10</b>

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.5: Northbound from A41 New Chester Road (South) to A41 New Chester Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	21	0	5	2	2	0	30	33.60
0715 - 0730	1	1	49	0	7	3	1	0	62	63.40
0730 - 0745	0	2	47	0	5	3	2	1	60	63.90
0745 - 0800	0	0	50	0	11	3	2	0	66	70.10
Hourly Total	1	3	167	0	28	11	7	1	218	231.00
Hourly Average	0.25	0.75	41.75	0.00	7.00	2.75	1.75	0.25	54.50	57.75
0800 - 0815	0	0	50	0	8	1	0	0	59	59.50
0815 - 0830	0	1	74	0	12	0	5	0	92	97.90
0830 - 0845	0	4	83	1	10	1	5	0	104	108.60
0845 - 0900	0	0	79	1	9	4	4	0	97	104.20
Hourly Total	0	5	286	2	39	6	14	0	352	370.20
Hourly Average	0.00	1.25	71.50	0.50	9.75	1.50	3.50	0.00	88.00	92.55
0900 - 0915	0	0	85	0	9	0	1	1	96	98.30
0915 - 0930	0	0	102	0	11	1	1	0	115	116.80
0930 - 0945	0	1	105	1	10	1	1	1	120	122.20
0945 - 1000	0	2	117	0	11	0	2	0	132	133.40
Hourly Total	0	3	409	1	41	2	5	2	463	470.70
Hourly Average	0.00	0.75	102.25	0.25	10.25	0.50	1.25	0.50	115.75	117.68
1000 - 1015	0	0	131	0	6	1	0	0	138	138.50
1015 - 1030	0	1	120	0	5	1	1	1	129	131.20
1030 - 1045	0	1	140	1	9	2	2	1	156	160.00
1045 - 1100	0	2	133	1	11	3	2	1	153	156.90
Hourly Total	0	4	524	2	31	7	5	3	576	586.60
Hourly Average	0.00	1.00	131.00	0.50	7.75	1.75	1.25	0.75	144.00	146.65
1100 - 1115	0	0	118	0	5	2	3	0	128	132.90
1115 - 1130	0	3	151	0	12	0	2	2	170	172.80
1130 - 1145	1	0	138	0	17	1	2	0	159	161.30
1145 - 1200	0	1	145	1	9	0	3	1	160	164.30
Hourly Total	1	4	552	1	43	3	10	3	617	631.30
Hourly Average	0.25	1.00	138.00	0.25	10.75	0.75	2.50	0.75	154.25	157.83
1200 - 1215	0	0	138	1	10	1	1	1	152	154.80
1215 - 1230	0	3	137	0	7	2	1	1	151	152.50
1230 - 1245	0	2	125	0	10	1	3	0	141	144.20
1245 - 1300	0	3	111	0	11	0	0	2	127	127.20
Hourly Total	0	8	511	1	38	4	5	4	571	578.70
Hourly Average	0.00	2.00	127.75	0.25	9.50	1.00	1.25	1.00	142.75	144.68
1300 - 1315	0	1	134	0	13	0	2	0	150	152.00
1315 - 1330	1	1	105	0	8	0	5	1	121	127.10
1330 - 1345	0	1	114	0	4	0	0	2	121	122.40
1345 - 1400	0	2	113	0	4	1	0	0	120	119.30
Hourly Total	1	5	466	0	29	1	7	3	512	520.80
Hourly Average	0.25	1.25	116.50	0.00	7.25	0.25	1.75	0.75	128.00	130.20
1400 - 1415	0	5	142	1	8	1	0	1	158	156.50
1415 - 1430	0	1	110	0	4	0	1	1	117	118.70
1430 - 1445	0	1	119	0	9	0	2	3	134	139.00
1445 - 1500	0	3	125	1	9	0	3	0	141	143.10
Hourly Total	0	10	496	2	30	1	6	5	550	557.30
Hourly Average	0.00	2.50	124.00	0.50	7.50	0.25	1.50	1.25	137.50	139.33
1500 - 1515	0	4	103	0	6	0	3	1	117	119.50
1515 - 1530	0	2	86	0	8	0	0	1	97	96.80
1530 - 1545	0	1	106	0	6	0	1	2	116	118.70
1545 - 1600	0	0	95	0	11	0	1	2	109	112.30
Hourly Total	0	7	390	0	31	0	5	6	439	447.30
Hourly Average	0.00	1.75	97.50	0.00	7.75	0.00	1.25	1.50	109.75	111.83
1600 - 1615	0	5	109	0	4	0	0	0	118	115.00
1615 - 1630	0	2	89	0	7	0	2	1	101	103.40
1630 - 1645	0	5	93	0	4	0	1	1	104	103.30
1645 - 1700	0	4	91	1	4	0	1	1	102	101.90
Hourly Total	0	16	382	1	19	0	4	3	425	423.60
Hourly Average	0.00	4.00	95.50	0.25	4.75	0.00	1.00	0.75	106.25	105.90
1700 - 1715	1	1	91	0	12	0	2	0	107	108.20
1715 - 1730	0	1	106	1	7	0	0	0	115	114.40
1730 - 1745	0	0	94	1	1	1	0	0	97	97.50
1745 - 1800	0	2	90	0	2	1	1	0	96	96.60
Hourly Total	1	4	381	2	22	2	3	0	415	416.70
Hourly Average	0.25	1.00	95.25	0.50	5.50	0.50	0.75	0.00	103.75	104.18
1800 - 1815	1	2	129	0	4	0	2	1	139	140.60
1815 - 1830	0	2	88	0	7	0	2	0	99	100.40
1830 - 1845	1	1	100	1	3	0	2	0	108	109.20
1845 - 1900	0	0	91	0	4	0	0	1	96	97.00
Hourly Total	2	5	408	1	18	0	6	2	442	447.20
Hourly Average	0.50	1.25	102.00	0.25	4.50	0.00	1.50	0.50	110.50	111.80
Session Total	6	74	4972	13	369	37	77	32	5580	5681.40
Session Average	0.13	1.54	103.58	0.27	7.69	0.77	1.60	0.67	116.25	118.36

617-18 Bromborough  
 Classified Junction Count

Site 2 of 6  
 Caldbeck Road  
 A41 New Chester Road (South)  
 Croft Avenue East  
 A41 New Chester Road (North)

Lat/Long  
 lat 53.337011° lon -2.979335°

Date  
 Friday 05 October 2018

Weather  
 sunny  
 Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.6: Right from A41 New Chester Road (South) to Caldbeck Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	12	0	5	0	0	0	17	17.00
0715 - 0730	0	0	23	0	7	3	0	0	33	34.50
0730 - 0745	0	0	36	0	4	1	0	0	41	41.50
0745 - 0800	1	0	51	0	7	0	1	0	60	60.50
<b>Hourly Total</b>	<b>1</b>	<b>0</b>	<b>122</b>	<b>0</b>	<b>23</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>151</b>	<b>153.50</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.00</b>	<b>30.50</b>	<b>0.00</b>	<b>5.75</b>	<b>1.00</b>	<b>0.25</b>	<b>0.00</b>	<b>37.75</b>	<b>38.38</b>
0800 - 0815	0	0	52	1	9	3	0	0	65	66.50
0815 - 0830	1	0	51	0	10	1	2	0	65	67.30
0830 - 0845	0	1	70	0	10	0	2	0	83	85.00
0845 - 0900	1	0	60	0	2	0	2	0	65	66.80
<b>Hourly Total</b>	<b>2</b>	<b>1</b>	<b>233</b>	<b>1</b>	<b>31</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>278</b>	<b>285.60</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>0.25</b>	<b>58.25</b>	<b>0.25</b>	<b>7.75</b>	<b>1.00</b>	<b>1.50</b>	<b>0.00</b>	<b>69.50</b>	<b>71.40</b>
0900 - 0915	0	0	109	0	10	1	1	0	121	122.80
0915 - 0930	0	0	100	0	2	1	1	0	104	105.80
0930 - 0945	0	0	71	1	9	0	0	0	81	81.00
0945 - 1000	0	0	83	0	11	4	0	0	98	100.00
<b>Hourly Total</b>	<b>0</b>	<b>0</b>	<b>363</b>	<b>1</b>	<b>32</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>404</b>	<b>409.60</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.00</b>	<b>90.75</b>	<b>0.25</b>	<b>8.00</b>	<b>1.50</b>	<b>0.50</b>	<b>0.00</b>	<b>101.00</b>	<b>102.40</b>
1000 - 1015	0	0	86	0	7	1	0	0	94	94.50
1015 - 1030	0	0	92	0	6	1	1	0	100	101.80
1030 - 1045	0	1	91	0	7	2	0	0	101	101.40
1045 - 1100	0	0	99	0	8	1	0	0	108	108.50
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>368</b>	<b>0</b>	<b>28</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>403</b>	<b>406.20</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>92.00</b>	<b>0.00</b>	<b>7.00</b>	<b>1.25</b>	<b>0.25</b>	<b>0.00</b>	<b>100.75</b>	<b>101.55</b>
1100 - 1115	0	0	90	0	8	2	2	0	102	105.60
1115 - 1130	0	0	100	0	9	2	0	0	111	112.00
1130 - 1145	0	0	88	0	5	0	0	0	93	93.00
1145 - 1200	1	0	106	0	6	1	1	0	115	116.00
<b>Hourly Total</b>	<b>1</b>	<b>0</b>	<b>384</b>	<b>0</b>	<b>28</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>421</b>	<b>426.60</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.00</b>	<b>96.00</b>	<b>0.00</b>	<b>7.00</b>	<b>1.25</b>	<b>0.75</b>	<b>0.00</b>	<b>105.25</b>	<b>106.65</b>
1200 - 1215	0	1	99	0	5	1	0	0	106	105.90
1215 - 1230	0	1	117	0	8	3	1	0	130	132.20
1230 - 1245	1	0	112	0	5	0	0	0	118	117.20
1245 - 1300	0	0	102	0	8	2	0	1	113	115.00
<b>Hourly Total</b>	<b>1</b>	<b>2</b>	<b>430</b>	<b>0</b>	<b>26</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>467</b>	<b>470.30</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.50</b>	<b>107.50</b>	<b>0.00</b>	<b>6.50</b>	<b>1.50</b>	<b>0.25</b>	<b>0.25</b>	<b>116.75</b>	<b>117.58</b>
1300 - 1315	0	0	120	0	7	2	0	0	129	130.00
1315 - 1330	1	0	82	0	4	0	2	0	89	90.80
1330 - 1345	0	0	120	0	11	1	0	0	132	132.50
1345 - 1400	0	0	110	1	7	0	0	0	118	118.00
<b>Hourly Total</b>	<b>1</b>	<b>0</b>	<b>432</b>	<b>1</b>	<b>29</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>468</b>	<b>471.30</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.00</b>	<b>108.00</b>	<b>0.25</b>	<b>7.25</b>	<b>0.75</b>	<b>0.50</b>	<b>0.00</b>	<b>117.00</b>	<b>117.83</b>
1400 - 1415	0	0	123	0	6	0	0	0	129	129.00
1415 - 1430	0	0	96	0	2	1	1	0	100	101.80
1430 - 1445	0	0	111	0	5	2	1	0	119	121.30
1445 - 1500	0	1	104	0	4	2	0	0	111	111.40
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>434</b>	<b>0</b>	<b>17</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>459</b>	<b>463.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>108.50</b>	<b>0.00</b>	<b>4.25</b>	<b>1.25</b>	<b>0.50</b>	<b>0.00</b>	<b>114.75</b>	<b>115.88</b>
1500 - 1515	1	0	71	0	12	0	0	0	84	83.20
1515 - 1530	0	0	91	0	4	0	0	0	95	95.00
1530 - 1545	0	0	118	0	2	0	3	0	123	126.90
1545 - 1600	0	0	98	0	4	2	0	0	104	105.00
<b>Hourly Total</b>	<b>1</b>	<b>0</b>	<b>378</b>	<b>0</b>	<b>22</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>406</b>	<b>410.10</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.00</b>	<b>94.50</b>	<b>0.00</b>	<b>5.50</b>	<b>0.50</b>	<b>0.75</b>	<b>0.00</b>	<b>101.50</b>	<b>102.53</b>
1600 - 1615	0	0	101	0	7	0	0	0	108	108.00
1615 - 1630	0	0	111	0	9	1	0	1	122	123.50
1630 - 1645	0	1	87	1	5	1	0	0	95	94.90
1645 - 1700	0	1	123	0	5	0	0	0	129	128.40
<b>Hourly Total</b>	<b>0</b>	<b>2</b>	<b>422</b>	<b>1</b>	<b>26</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>454</b>	<b>454.80</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.50</b>	<b>105.50</b>	<b>0.25</b>	<b>6.50</b>	<b>0.50</b>	<b>0.00</b>	<b>0.25</b>	<b>113.50</b>	<b>113.70</b>
1700 - 1715	0	0	100	0	3	0	0	0	103	103.00
1715 - 1730	1	0	122	1	5	0	0	0	129	128.20
1730 - 1745	1	1	87	0	7	0	1	0	97	96.90
1745 - 1800	0	1	114	0	5	1	0	0	121	120.90
<b>Hourly Total</b>	<b>2</b>	<b>2</b>	<b>423</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>450</b>	<b>449.00</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>0.50</b>	<b>105.75</b>	<b>0.25</b>	<b>5.00</b>	<b>0.25</b>	<b>0.25</b>	<b>0.00</b>	<b>112.50</b>	<b>112.25</b>
1800 - 1815	0	1	120	0	1	0	0	0	122	121.40
1815 - 1830	0	0	84	0	0	0	0	0	84	84.00
1830 - 1845	1	0	81	1	2	1	0	0	86	85.70
1845 - 1900	0	0	94	0	3	0	0	0	97	97.00
<b>Hourly Total</b>	<b>1</b>	<b>1</b>	<b>379</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>389</b>	<b>388.10</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.25</b>	<b>94.75</b>	<b>0.25</b>	<b>1.50</b>	<b>0.25</b>	<b>0.00</b>	<b>0.00</b>	<b>97.25</b>	<b>97.03</b>
<b>Session Total</b>	<b>10</b>	<b>10</b>	<b>4368</b>	<b>6</b>	<b>288</b>	<b>44</b>	<b>22</b>	<b>2</b>	<b>4750</b>	<b>4788.60</b>
<b>Session Average</b>	<b>0.21</b>	<b>0.21</b>	<b>91.00</b>	<b>0.13</b>	<b>6.00</b>	<b>0.92</b>	<b>0.46</b>	<b>0.04</b>	<b>98.96</b>	<b>99.76</b>



Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.6: Right from A41 New Chester Road (South) to Caldbeck Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	13	0	1	2	0	0	17	17.20
0715 - 0730	0	0	13	0	1	0	0	0	14	14.00
0730 - 0745	0	0	15	0	5	0	0	0	20	20.00
0745 - 0800	0	0	44	0	2	0	0	0	46	46.00
Hourly Total	1	0	85	0	9	2	0	0	97	97.20
Hourly Average	0.25	0.00	21.25	0.00	2.25	0.50	0.00	0.00	24.25	24.30
0800 - 0815	1	0	36	0	2	0	1	0	40	40.50
0815 - 0830	0	0	44	0	2	2	0	0	48	49.00
0830 - 0845	0	0	34	0	3	0	1	0	38	39.30
0845 - 0900	0	1	41	0	4	0	0	0	46	45.40
Hourly Total	1	1	155	0	11	2	2	0	172	174.20
Hourly Average	0.25	0.25	38.75	0.00	2.75	0.50	0.50	0.00	43.00	43.55
0900 - 0915	0	0	67	0	4	0	0	0	71	71.00
0915 - 0930	0	0	89	0	1	0	1	0	91	92.30
0930 - 0945	0	0	95	0	0	1	0	0	96	96.50
0945 - 1000	1	0	107	0	5	0	0	0	113	112.20
Hourly Total	1	0	358	0	10	1	1	0	371	372.00
Hourly Average	0.25	0.00	89.50	0.00	2.50	0.25	0.25	0.00	92.75	93.00
1000 - 1015	0	0	134	0	2	0	1	0	137	138.30
1015 - 1030	1	0	113	0	8	0	0	0	122	121.20
1030 - 1045	0	0	115	1	1	1	0	0	118	118.50
1045 - 1100	0	1	123	0	4	1	0	0	129	128.90
Hourly Total	1	1	485	1	15	2	1	0	506	506.90
Hourly Average	0.25	0.25	121.25	0.25	3.75	0.50	0.25	0.00	126.50	126.73
1100 - 1115	0	0	115	0	11	0	1	1	128	130.30
1115 - 1130	0	0	127	0	2	0	0	0	129	129.00
1130 - 1145	1	0	137	0	3	0	1	0	142	142.50
1145 - 1200	0	0	127	0	4	1	0	0	132	132.50
Hourly Total	1	0	506	0	20	1	2	1	531	534.30
Hourly Average	0.25	0.00	126.50	0.00	5.00	0.25	0.50	0.25	132.75	133.58
1200 - 1215	0	1	122	2	4	0	0	0	129	128.40
1215 - 1230	0	0	133	0	7	0	0	0	140	140.00
1230 - 1245	0	0	119	0	5	1	0	0	125	125.50
1245 - 1300	0	0	116	0	3	1	0	0	120	120.50
Hourly Total	0	1	490	2	19	2	0	0	514	514.40
Hourly Average	0.00	0.25	122.50	0.50	4.75	0.50	0.00	0.00	128.50	128.60
1300 - 1315	0	0	125	0	3	0	0	0	128	128.00
1315 - 1330	0	0	133	0	4	0	0	0	137	137.00
1330 - 1345	0	1	134	0	4	0	0	0	139	138.40
1345 - 1400	0	1	119	0	2	0	0	0	122	121.40
Hourly Total	0	2	511	0	13	0	0	0	526	524.80
Hourly Average	0.00	0.50	127.75	0.00	3.25	0.00	0.00	0.00	131.50	131.20
1400 - 1415	2	0	106	0	3	0	0	0	111	109.40
1415 - 1430	0	0	137	0	0	0	1	0	138	139.30
1430 - 1445	1	0	111	0	3	2	0	0	117	117.20
1445 - 1500	0	0	113	0	2	2	1	0	116	117.30
Hourly Total	3	0	467	0	8	2	2	0	482	483.20
Hourly Average	0.75	0.00	116.75	0.00	2.00	0.50	0.50	0.00	120.50	120.80
1500 - 1515	1	1	136	0	4	0	0	0	142	140.60
1515 - 1530	0	0	107	0	3	0	0	0	110	110.00
1530 - 1545	0	0	115	0	2	0	0	0	117	117.00
1545 - 1600	0	0	109	0	1	0	0	0	110	110.00
Hourly Total	1	1	467	0	10	0	0	0	479	477.60
Hourly Average	0.25	0.25	116.75	0.00	2.50	0.00	0.00	0.00	119.75	119.40
1600 - 1615	0	0	102	0	1	0	0	0	103	103.00
1615 - 1630	0	1	122	0	2	0	0	0	125	124.40
1630 - 1645	0	1	96	0	7	0	0	0	104	103.40
1645 - 1700	0	0	104	1	3	0	0	0	108	108.00
Hourly Total	0	2	424	1	13	0	0	0	440	438.80
Hourly Average	0.00	0.50	106.00	0.25	3.25	0.00	0.00	0.00	110.00	109.70
1700 - 1715	0	0	94	0	0	0	0	0	94	94.00
1715 - 1730	0	0	99	0	0	2	1	0	102	104.30
1730 - 1745	0	0	91	0	2	0	0	1	94	95.00
1745 - 1800	0	0	79	0	2	0	0	0	81	81.00
Hourly Total	0	0	363	0	4	2	1	1	371	374.30
Hourly Average	0.00	0.00	90.75	0.00	1.00	0.50	0.25	0.25	92.75	93.58
1800 - 1815	0	1	72	0	4	0	0	0	77	76.40
1815 - 1830	0	0	76	0	0	0	0	0	76	76.00
1830 - 1845	0	0	51	0	3	0	0	0	54	54.00
1845 - 1900	0	0	52	0	2	0	1	0	55	56.30
Hourly Total	0	1	251	0	9	0	1	0	262	262.70
Hourly Average	0.00	0.25	62.75	0.00	2.25	0.00	0.25	0.00	65.50	65.68
Session Total	9	9	4562	4	141	14	10	2	4751	4760.40
Session Average	0.19	0.19	95.04	0.08	2.94	0.29	0.21	0.04	98.98	99.18

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.7: Left from Croft Avenue East to A41 New Chester Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	3	0	0	0	0	3	6	9.00
0715 - 0730	0	0	3	0	0	0	0	2	5	7.00
0730 - 0745	0	0	6	0	0	0	0	1	7	8.00
0745 - 0800	0	0	11	0	0	0	0	1	12	13.00
Hourly Total	0	0	23	0	0	0	0	7	30	37.00
Hourly Average	0.00	0.00	5.75	0.00	0.00	0.00	0.00	1.75	7.50	9.25
0800 - 0815	0	0	1	0	1	0	0	3	5	8.00
0815 - 0830	0	0	9	0	1	0	0	2	12	14.00
0830 - 0845	0	0	11	0	1	0	0	0	12	12.00
0845 - 0900	0	0	9	1	1	0	0	2	13	15.00
Hourly Total	0	0	30	1	4	0	0	7	42	49.00
Hourly Average	0.00	0.00	7.50	0.25	1.00	0.00	0.00	1.75	10.50	12.25
0900 - 0915	0	0	4	0	2	0	0	2	8	10.00
0915 - 0930	0	0	6	0	1	0	0	0	7	7.00
0930 - 0945	0	0	5	1	0	0	0	2	8	10.00
0945 - 1000	0	0	8	0	2	1	0	0	11	11.50
Hourly Total	0	0	23	1	5	1	0	4	34	38.50
Hourly Average	0.00	0.00	5.75	0.25	1.25	0.25	0.00	1.00	8.50	9.63
1000 - 1015	0	0	3	0	1	1	0	2	7	9.50
1015 - 1030	0	0	4	0	0	0	0	1	5	6.00
1030 - 1045	0	0	7	0	0	0	0	2	9	11.00
1045 - 1100	0	0	0	0	1	0	0	0	1	1.00
Hourly Total	0	0	14	0	2	1	0	5	22	27.50
Hourly Average	0.00	0.00	3.50	0.00	0.50	0.25	0.00	1.25	5.50	6.88
1100 - 1115	0	0	0	0	0	0	0	1	1	2.00
1115 - 1130	0	0	3	0	1	0	0	1	5	6.00
1130 - 1145	0	0	7	0	0	0	0	2	9	11.00
1145 - 1200	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	12	0	2	0	0	4	18	22.00
Hourly Average	0.00	0.00	3.00	0.00	0.50	0.00	0.00	1.00	4.50	5.50
1200 - 1215	0	1	3	0	0	1	0	2	7	8.90
1215 - 1230	0	0	9	0	0	0	1	1	11	13.30
1230 - 1245	0	0	2	0	0	0	0	1	3	4.00
1245 - 1300	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	1	16	0	0	1	1	4	23	28.20
Hourly Average	0.00	0.25	4.00	0.00	0.00	0.25	0.25	1.00	5.75	7.05
1300 - 1315	0	0	6	0	1	0	0	1	8	9.00
1315 - 1330	0	0	6	0	0	0	0	2	8	10.00
1330 - 1345	0	0	10	0	1	0	0	1	12	13.00
1345 - 1400	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	24	0	2	0	0	4	30	34.00
Hourly Average	0.00	0.00	6.00	0.00	0.50	0.00	0.00	1.00	7.50	8.50
1400 - 1415	0	0	3	0	1	0	0	2	6	8.00
1415 - 1430	0	0	6	0	0	0	0	1	7	8.00
1430 - 1445	0	0	5	0	1	0	0	2	8	10.00
1445 - 1500	0	0	3	0	1	0	0	2	6	8.00
Hourly Total	0	0	17	0	3	0	0	7	27	34.00
Hourly Average	0.00	0.00	4.25	0.00	0.75	0.00	0.00	1.75	6.75	8.50
1500 - 1515	0	0	4	0	0	0	0	0	4	4.00
1515 - 1530	0	0	7	0	0	0	0	2	9	11.00
1530 - 1545	0	0	8	0	1	0	0	1	10	11.00
1545 - 1600	0	0	7	0	0	0	0	1	8	9.00
Hourly Total	0	0	26	0	1	0	0	4	31	35.00
Hourly Average	0.00	0.00	6.50	0.00	0.25	0.00	0.00	1.00	7.75	8.75
1600 - 1615	0	0	1	0	0	0	0	2	3	5.00
1615 - 1630	0	0	4	0	0	0	0	0	4	4.00
1630 - 1645	0	0	6	0	1	0	0	3	10	13.00
1645 - 1700	0	0	7	0	0	0	0	0	7	7.00
Hourly Total	0	0	18	0	1	0	0	5	24	29.00
Hourly Average	0.00	0.00	4.50	0.00	0.25	0.00	0.00	1.25	6.00	7.25
1700 - 1715	0	0	5	0	1	0	0	2	8	10.00
1715 - 1730	0	0	2	0	0	0	0	1	3	4.00
1730 - 1745	0	1	12	0	1	0	0	4	18	21.40
1745 - 1800	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	1	22	0	2	0	0	7	32	38.40
Hourly Average	0.00	0.25	5.50	0.00	0.50	0.00	0.00	1.75	8.00	9.60
1800 - 1815	0	0	1	0	0	0	0	2	3	5.00
1815 - 1830	0	0	3	0	0	0	0	2	5	7.00
1830 - 1845	0	0	4	0	0	0	0	2	6	8.00
1845 - 1900	0	0	5	0	0	0	0	2	7	9.00
Hourly Total	0	0	13	0	0	0	0	8	21	29.00
Hourly Average	0.00	0.00	3.25	0.00	0.00	0.00	0.00	2.00	5.25	7.25
Session Total	0	2	238	2	22	3	1	66	334	401.60
Session Average	0.00	0.04	4.96	0.04	0.46	0.06	0.02	1.38	6.96	8.37

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.7: Left from Croft Avenue East to A41 New Chester Road (North)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	1	1	2.00
0715 - 0730	1	0	1	0	0	0	0	0	2	1.20
0730 - 0745	0	0	3	0	0	0	0	1	4	5.00
0745 - 0800	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	1	0	6	0	1	0	0	2	10	11.20
Hourly Average	0.25	0.00	1.50	0.00	0.25	0.00	0.00	0.50	2.50	2.80
0800 - 0815	0	0	0	0	1	0	0	2	3	5.00
0815 - 0830	0	0	5	0	0	0	0	0	5	5.00
0830 - 0845	0	0	2	0	1	0	0	3	6	9.00
0845 - 0900	0	0	2	0	0	0	0	1	3	4.00
Hourly Total	0	0	9	0	2	0	0	6	17	23.00
Hourly Average	0.00	0.00	2.25	0.00	0.50	0.00	0.00	1.50	4.25	5.75
0900 - 0915	0	0	3	0	0	0	0	1	4	5.00
0915 - 0930	0	0	3	0	1	0	0	2	6	8.00
0930 - 0945	0	0	5	0	1	0	0	2	8	10.00
0945 - 1000	0	0	5	0	1	0	0	0	6	6.00
Hourly Total	0	0	16	0	3	0	0	5	24	29.00
Hourly Average	0.00	0.00	4.00	0.00	0.75	0.00	0.00	1.25	6.00	7.25
1000 - 1015	0	0	2	0	0	0	0	2	4	6.00
1015 - 1030	0	0	4	0	0	0	0	1	5	6.00
1030 - 1045	0	0	3	0	0	0	0	2	5	7.00
1045 - 1100	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	0	0	13	0	0	0	0	5	18	23.00
Hourly Average	0.00	0.00	3.25	0.00	0.00	0.00	0.00	1.25	4.50	5.75
1100 - 1115	0	0	7	0	3	0	0	2	12	14.00
1115 - 1130	0	0	7	0	0	0	0	1	8	9.00
1130 - 1145	0	0	8	0	1	0	0	2	11	13.00
1145 - 1200	0	0	1	0	0	1	0	0	2	2.50
Hourly Total	0	0	23	0	4	1	0	5	33	38.50
Hourly Average	0.00	0.00	5.75	0.00	1.00	0.25	0.00	1.25	8.25	9.63
1200 - 1215	0	0	4	0	0	0	0	2	6	8.00
1215 - 1230	0	0	1	0	1	0	0	1	3	4.00
1230 - 1245	0	0	4	0	1	0	0	0	5	5.00
1245 - 1300	0	0	4	0	1	0	0	2	7	9.00
Hourly Total	0	0	13	0	3	0	0	5	21	26.00
Hourly Average	0.00	0.00	3.25	0.00	0.75	0.00	0.00	1.25	5.25	6.50
1300 - 1315	0	0	3	0	1	0	0	2	6	8.00
1315 - 1330	0	0	8	0	1	0	0	1	10	11.00
1330 - 1345	0	0	5	0	0	0	0	1	6	7.00
1345 - 1400	0	0	11	0	0	0	0	1	12	13.00
Hourly Total	0	0	27	0	2	0	0	5	34	39.00
Hourly Average	0.00	0.00	6.75	0.00	0.50	0.00	0.00	1.25	8.50	9.75
1400 - 1415	0	1	3	0	0	0	0	1	5	5.40
1415 - 1430	0	0	3	0	0	0	0	1	4	5.00
1430 - 1445	0	0	2	0	0	0	0	1	3	4.00
1445 - 1500	0	0	3	0	0	0	0	1	4	5.00
Hourly Total	0	1	11	0	0	0	0	4	16	19.40
Hourly Average	0.00	0.25	2.75	0.00	0.00	0.00	0.00	1.00	4.00	4.85
1500 - 1515	0	0	4	0	0	0	0	1	5	6.00
1515 - 1530	0	0	9	0	0	0	0	2	11	13.00
1530 - 1545	0	0	3	0	0	0	0	1	4	5.00
1545 - 1600	0	0	7	0	0	0	0	1	8	9.00
Hourly Total	0	0	23	0	0	0	0	5	28	33.00
Hourly Average	0.00	0.00	5.75	0.00	0.00	0.00	0.00	1.25	7.00	8.25
1600 - 1615	0	0	7	0	0	0	0	2	9	11.00
1615 - 1630	0	0	11	0	0	0	0	1	12	13.00
1630 - 1645	0	0	7	0	1	0	0	2	10	12.00
1645 - 1700	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	28	0	1	0	0	5	34	39.00
Hourly Average	0.00	0.00	7.00	0.00	0.25	0.00	0.00	1.25	8.50	9.75
1700 - 1715	0	0	5	0	0	0	0	2	7	9.00
1715 - 1730	0	0	2	0	0	0	0	2	4	6.00
1730 - 1745	0	0	5	0	0	0	0	1	6	7.00
1745 - 1800	0	0	6	0	2	0	0	2	10	12.00
Hourly Total	0	0	18	0	2	0	0	7	27	34.00
Hourly Average	0.00	0.00	4.50	0.00	0.50	0.00	0.00	1.75	6.75	8.50
1800 - 1815	0	0	4	0	0	0	0	2	6	8.00
1815 - 1830	0	0	9	0	0	0	0	2	11	13.00
1830 - 1845	0	0	3	0	0	0	0	2	5	7.00
1845 - 1900	0	0	9	0	1	0	0	2	12	14.00
Hourly Total	0	0	25	0	1	0	0	8	34	42.00
Hourly Average	0.00	0.00	6.25	0.00	0.25	0.00	0.00	2.00	8.50	10.50
Session Total	1	1	212	0	19	1	0	62	296	357.10
Session Average	0.02	0.02	4.42	0.00	0.40	0.02	0.00	1.29	6.17	7.44

**617-18 Bromborough**  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.8: Eastbound from Croft Avenue East to Caldbeck Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	22	0	5	0	0	0	27	27.00
0715 - 0730	0	1	25	0	7	0	0	0	33	32.40
0730 - 0745	0	0	43	0	6	0	0	2	51	53.00
0745 - 0800	0	0	71	0	10	0	0	1	82	83.00
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>161</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>193</b>	<b>195.40</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>40.25</b>	<b>0.00</b>	<b>7.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.75</b>	<b>48.25</b>	<b>48.85</b>
0800 - 0815	1	0	72	0	4	1	0	2	80	81.70
0815 - 0830	0	0	95	0	4	0	0	1	100	101.00
0830 - 0845	2	0	73	0	6	2	0	2	85	86.40
0845 - 0900	0	0	82	0	8	0	0	1	91	92.00
<b>Hourly Total</b>	<b>3</b>	<b>0</b>	<b>322</b>	<b>0</b>	<b>22</b>	<b>3</b>	<b>0</b>	<b>6</b>	<b>356</b>	<b>361.10</b>
<b>Hourly Average</b>	<b>0.75</b>	<b>0.00</b>	<b>80.50</b>	<b>0.00</b>	<b>5.50</b>	<b>0.75</b>	<b>0.00</b>	<b>1.50</b>	<b>89.00</b>	<b>90.28</b>
0900 - 0915	0	0	81	0	5	1	0	1	88	89.50
0915 - 0930	0	0	103	0	4	0	0	2	109	111.00
0930 - 0945	0	0	62	0	6	0	1	2	71	74.30
0945 - 1000	0	1	85	0	6	0	0	1	93	93.40
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>331</b>	<b>0</b>	<b>21</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>361</b>	<b>368.20</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>82.75</b>	<b>0.00</b>	<b>5.25</b>	<b>0.25</b>	<b>0.25</b>	<b>1.50</b>	<b>90.25</b>	<b>92.05</b>
1000 - 1015	1	0	65	0	6	1	0	2	75	76.70
1015 - 1030	0	0	76	0	7	1	0	1	85	86.50
1030 - 1045	0	0	74	0	3	1	0	2	80	82.50
1045 - 1100	0	0	60	0	3	0	0	1	64	65.00
<b>Hourly Total</b>	<b>1</b>	<b>0</b>	<b>275</b>	<b>0</b>	<b>19</b>	<b>3</b>	<b>0</b>	<b>6</b>	<b>304</b>	<b>310.70</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.00</b>	<b>68.75</b>	<b>0.00</b>	<b>4.75</b>	<b>0.75</b>	<b>0.00</b>	<b>1.50</b>	<b>76.00</b>	<b>77.68</b>
1100 - 1115	0	0	79	1	11	0	0	1	92	93.00
1115 - 1130	0	1	59	1	4	2	1	2	70	73.70
1130 - 1145	0	0	73	0	4	0	0	0	77	77.00
1145 - 1200	0	0	67	0	1	1	0	3	72	75.50
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>278</b>	<b>2</b>	<b>20</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>311</b>	<b>319.20</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>69.50</b>	<b>0.50</b>	<b>5.00</b>	<b>0.75</b>	<b>0.25</b>	<b>1.50</b>	<b>77.75</b>	<b>79.80</b>
1200 - 1215	0	0	81	0	8	1	0	1	91	92.50
1215 - 1230	0	0	64	0	4	1	0	1	70	71.50
1230 - 1245	0	0	76	0	8	0	0	2	86	88.00
1245 - 1300	0	0	83	0	4	0	0	1	88	89.00
<b>Hourly Total</b>	<b>0</b>	<b>0</b>	<b>304</b>	<b>0</b>	<b>24</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>335</b>	<b>341.00</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.00</b>	<b>76.00</b>	<b>0.00</b>	<b>6.00</b>	<b>0.50</b>	<b>0.00</b>	<b>1.25</b>	<b>83.75</b>	<b>85.25</b>
1300 - 1315	0	0	56	0	5	1	0	2	64	66.50
1315 - 1330	0	0	76	1	4	0	0	1	82	83.00
1330 - 1345	0	0	74	0	2	0	0	1	77	78.00
1345 - 1400	0	0	100	0	3	2	0	2	107	110.00
<b>Hourly Total</b>	<b>0</b>	<b>0</b>	<b>306</b>	<b>1</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>6</b>	<b>330</b>	<b>337.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.00</b>	<b>76.50</b>	<b>0.25</b>	<b>3.50</b>	<b>0.75</b>	<b>0.00</b>	<b>1.50</b>	<b>82.50</b>	<b>84.38</b>
1400 - 1415	0	0	83	0	4	0	0	1	88	89.00
1415 - 1430	0	0	83	0	5	0	0	2	90	92.00
1430 - 1445	0	0	58	0	10	0	0	2	70	72.00
1445 - 1500	0	0	79	1	4	1	0	1	86	87.50
<b>Hourly Total</b>	<b>0</b>	<b>0</b>	<b>303</b>	<b>1</b>	<b>23</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>334</b>	<b>340.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.00</b>	<b>75.75</b>	<b>0.25</b>	<b>5.75</b>	<b>0.25</b>	<b>0.00</b>	<b>1.50</b>	<b>83.50</b>	<b>85.13</b>
1500 - 1515	0	0	64	1	8	0	0	2	75	77.00
1515 - 1530	0	0	75	0	9	0	0	1	85	86.00
1530 - 1545	0	0	70	0	3	1	0	1	75	76.50
1545 - 1600	0	0	76	0	4	0	0	2	82	84.00
<b>Hourly Total</b>	<b>0</b>	<b>0</b>	<b>285</b>	<b>1</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>317</b>	<b>323.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.00</b>	<b>71.25</b>	<b>0.25</b>	<b>6.00</b>	<b>0.25</b>	<b>0.00</b>	<b>1.50</b>	<b>79.25</b>	<b>80.88</b>
1600 - 1615	0	0	82	0	4	0	0	1	87	88.00
1615 - 1630	0	1	67	0	1	0	0	1	70	70.40
1630 - 1645	0	0	88	1	5	0	0	3	97	100.00
1645 - 1700	0	0	69	0	2	1	0	1	73	74.50
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>306</b>	<b>1</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>327</b>	<b>332.90</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>76.50</b>	<b>0.25</b>	<b>3.00</b>	<b>0.25</b>	<b>0.00</b>	<b>1.50</b>	<b>81.75</b>	<b>83.23</b>
1700 - 1715	0	0	75	0	4	0	0	1	80	81.00
1715 - 1730	0	0	65	0	3	0	0	3	71	74.00
1730 - 1745	0	0	84	0	3	0	0	1	88	89.00
1745 - 1800	0	0	69	0	3	0	0	1	73	74.00
<b>Hourly Total</b>	<b>0</b>	<b>0</b>	<b>293</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>312</b>	<b>318.00</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.00</b>	<b>73.25</b>	<b>0.00</b>	<b>3.25</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>78.00</b>	<b>79.50</b>
1800 - 1815	0	0	61	0	3	0	0	2	66	68.00
1815 - 1830	0	1	86	1	1	0	0	1	90	90.40
1830 - 1845	0	0	60	0	2	0	0	2	64	66.00
1845 - 1900	0	0	71	0	2	0	0	1	74	75.00
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>278</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>294</b>	<b>299.40</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>69.50</b>	<b>0.25</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.50</b>	<b>73.50</b>	<b>74.85</b>
<b>Session Total</b>	<b>4</b>	<b>5</b>	<b>3442</b>	<b>7</b>	<b>228</b>	<b>18</b>	<b>2</b>	<b>68</b>	<b>3774</b>	<b>3847.40</b>
<b>Session Average</b>	<b>0.08</b>	<b>0.10</b>	<b>71.71</b>	<b>0.15</b>	<b>4.75</b>	<b>0.38</b>	<b>0.04</b>	<b>1.42</b>	<b>78.63</b>	<b>80.15</b>

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.8: Eastbound from Croft Avenue East to Caldbeck Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	11	0	3	0	0	0	14	14.00
0715 - 0730	0	0	10	0	0	0	0	1	11	12.00
0730 - 0745	0	0	17	0	3	0	0	0	20	20.00
0745 - 0800	0	0	33	0	2	0	0	1	36	37.00
Hourly Total	0	0	71	0	8	0	0	2	81	83.00
Hourly Average	0.00	0.00	17.75	0.00	2.00	0.00	0.00	0.50	20.25	20.75
0800 - 0815	0	0	30	0	1	0	0	0	31	31.00
0815 - 0830	0	0	22	0	2	0	0	1	25	26.00
0830 - 0845	0	0	48	0	2	0	0	1	51	52.00
0845 - 0900	0	1	65	0	4	0	0	1	71	71.40
Hourly Total	0	1	165	0	9	0	0	3	178	180.40
Hourly Average	0.00	0.25	41.25	0.00	2.25	0.00	0.00	0.75	44.50	45.10
0900 - 0915	0	0	72	0	2	0	0	1	75	76.00
0915 - 0930	0	0	61	0	2	0	0	1	64	65.00
0930 - 0945	0	0	73	0	3	0	0	1	77	78.00
0945 - 1000	0	0	89	0	4	0	0	1	94	95.00
Hourly Total	0	0	295	0	11	0	0	4	310	314.00
Hourly Average	0.00	0.00	73.75	0.00	2.75	0.00	0.00	1.00	77.50	78.50
1000 - 1015	0	0	77	0	3	1	0	1	82	83.50
1015 - 1030	0	0	88	0	1	0	0	1	90	91.00
1030 - 1045	1	0	77	0	2	0	0	1	81	81.20
1045 - 1100	0	0	96	0	4	0	0	0	100	100.00
Hourly Total	1	0	338	0	10	1	0	3	353	355.70
Hourly Average	0.25	0.00	84.50	0.00	2.50	0.25	0.00	0.75	88.25	88.93
1100 - 1115	0	1	99	0	2	0	0	1	103	103.40
1115 - 1130	0	0	103	0	1	0	0	0	104	104.00
1130 - 1145	0	0	95	1	6	0	0	1	103	104.00
1145 - 1200	0	0	94	0	4	0	0	2	100	102.00
Hourly Total	0	1	391	1	13	0	0	4	410	413.40
Hourly Average	0.00	0.25	97.75	0.25	3.25	0.00	0.00	1.00	102.50	103.35
1200 - 1215	0	0	108	0	0	0	0	1	109	110.00
1215 - 1230	0	0	95	0	2	0	0	1	98	99.00
1230 - 1245	0	0	109	0	3	0	0	0	112	112.00
1245 - 1300	0	0	104	0	4	0	0	0	108	108.00
Hourly Total	0	0	416	0	9	0	0	2	427	429.00
Hourly Average	0.00	0.00	104.00	0.00	2.25	0.00	0.00	0.50	106.75	107.25
1300 - 1315	0	0	99	0	2	0	0	1	102	103.00
1315 - 1330	0	0	92	0	2	0	0	2	96	98.00
1330 - 1345	0	0	97	0	1	0	0	0	98	98.00
1345 - 1400	0	0	105	0	2	0	0	1	108	109.00
Hourly Total	0	0	393	0	7	0	0	4	404	408.00
Hourly Average	0.00	0.00	98.25	0.00	1.75	0.00	0.00	1.00	101.00	102.00
1400 - 1415	0	0	100	0	1	0	0	2	103	105.00
1415 - 1430	0	0	105	0	3	0	0	1	109	110.00
1430 - 1445	0	0	119	0	2	0	0	1	122	123.00
1445 - 1500	0	0	124	0	1	0	0	0	125	125.00
Hourly Total	0	0	448	0	7	0	0	4	459	463.00
Hourly Average	0.00	0.00	112.00	0.00	1.75	0.00	0.00	1.00	114.75	115.75
1500 - 1515	0	0	95	0	2	0	0	1	98	99.00
1515 - 1530	0	0	103	0	2	0	0	1	106	107.00
1530 - 1545	0	0	90	0	1	0	0	1	92	93.00
1545 - 1600	0	0	86	0	0	0	0	0	86	86.00
Hourly Total	0	0	374	0	5	0	0	3	382	385.00
Hourly Average	0.00	0.00	93.50	0.00	1.25	0.00	0.00	0.75	95.50	96.25
1600 - 1615	0	0	70	0	4	0	0	2	76	78.00
1615 - 1630	0	0	74	0	2	0	0	0	76	76.00
1630 - 1645	0	0	79	0	1	0	0	2	82	84.00
1645 - 1700	0	0	82	0	1	0	0	1	84	85.00
Hourly Total	0	0	305	0	8	0	0	5	318	323.00
Hourly Average	0.00	0.00	76.25	0.00	2.00	0.00	0.00	1.25	79.50	80.75
1700 - 1715	0	0	79	0	1	0	0	1	81	82.00
1715 - 1730	0	0	63	0	0	0	0	1	64	65.00
1730 - 1745	0	1	64	0	2	0	0	1	68	68.40
1745 - 1800	0	0	48	0	4	0	0	1	53	54.00
Hourly Total	0	1	254	0	7	0	0	4	266	269.40
Hourly Average	0.00	0.25	63.50	0.00	1.75	0.00	0.00	1.00	66.50	67.35
1800 - 1815	0	0	48	0	0	0	0	1	49	50.00
1815 - 1830	0	0	62	0	2	0	0	1	65	66.00
1830 - 1845	0	1	34	0	1	0	0	0	36	35.40
1845 - 1900	0	2	47	0	1	0	0	2	52	52.80
Hourly Total	0	3	191	0	4	0	0	4	202	204.20
Hourly Average	0.00	0.75	47.75	0.00	1.00	0.00	0.00	1.00	50.50	51.05
Session Total	1	6	3641	1	98	1	0	42	3790	3828.10
Session Average	0.02	0.13	75.85	0.02	2.04	0.02	0.00	0.88	78.96	79.75

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.9: Right from Croft Avenue East to A41 New Chester Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	4	0	1	0	0	0	5	5.00
0715 - 0730	0	0	13	0	1	0	0	0	14	14.00
0730 - 0745	0	0	9	0	2	0	0	0	11	11.00
0745 - 0800	0	0	25	0	1	0	0	1	27	28.00
Hourly Total	0	0	51	0	5	0	0	1	57	58.00
Hourly Average	0.00	0.00	12.75	0.00	1.25	0.00	0.00	0.25	14.25	14.50
0800 - 0815	0	0	18	0	2	0	0	0	20	20.00
0815 - 0830	0	0	21	0	1	0	0	0	22	22.00
0830 - 0845	0	0	13	0	2	0	0	0	15	15.00
0845 - 0900	0	0	16	0	2	0	0	1	19	20.00
Hourly Total	0	0	68	0	7	0	0	1	76	77.00
Hourly Average	0.00	0.00	17.00	0.00	1.75	0.00	0.00	0.25	19.00	19.25
0900 - 0915	0	0	15	0	5	0	0	0	20	20.00
0915 - 0930	0	0	7	0	3	0	0	0	10	10.00
0930 - 0945	0	0	6	0	1	0	0	0	7	7.00
0945 - 1000	0	0	9	1	2	1	0	0	13	13.50
Hourly Total	0	0	37	1	11	1	0	0	50	50.50
Hourly Average	0.00	0.00	9.25	0.25	2.75	0.25	0.00	0.00	12.50	12.63
1000 - 1015	0	0	8	0	1	1	0	1	11	12.50
1015 - 1030	0	0	6	0	3	1	0	0	10	10.50
1030 - 1045	0	0	5	0	1	0	0	0	6	6.00
1045 - 1100	0	0	8	0	0	0	0	0	8	8.00
Hourly Total	0	0	27	0	5	2	0	1	35	37.00
Hourly Average	0.00	0.00	6.75	0.00	1.25	0.50	0.00	0.25	8.75	9.25
1100 - 1115	0	0	5	0	2	0	0	1	8	9.00
1115 - 1130	0	0	5	0	4	2	1	0	12	14.30
1130 - 1145	0	0	12	0	2	1	0	0	15	15.50
1145 - 1200	0	0	6	0	0	0	0	0	6	6.00
Hourly Total	0	0	28	0	8	3	1	1	41	44.80
Hourly Average	0.00	0.00	7.00	0.00	2.00	0.75	0.25	0.25	10.25	11.20
1200 - 1215	0	0	5	0	1	0	0	1	7	8.00
1215 - 1230	0	0	6	0	3	0	0	0	9	9.00
1230 - 1245	0	0	5	1	2	1	0	0	9	9.50
1245 - 1300	0	0	6	0	1	0	1	0	8	9.30
Hourly Total	0	0	22	1	7	1	1	1	33	35.80
Hourly Average	0.00	0.00	5.50	0.25	1.75	0.25	0.25	0.25	8.25	8.95
1300 - 1315	0	0	9	1	0	1	0	1	12	13.50
1315 - 1330	0	0	7	0	1	0	0	0	8	8.00
1330 - 1345	0	0	6	0	1	1	0	0	8	8.50
1345 - 1400	0	0	8	0	2	0	0	0	10	10.00
Hourly Total	0	0	30	1	4	2	0	1	38	40.00
Hourly Average	0.00	0.00	7.50	0.25	1.00	0.50	0.00	0.25	9.50	10.00
1400 - 1415	0	0	8	0	0	0	0	0	8	8.00
1415 - 1430	0	0	8	0	0	0	0	0	8	8.00
1430 - 1445	0	0	7	0	0	0	0	0	7	7.00
1445 - 1500	0	0	11	0	1	0	0	0	12	12.00
Hourly Total	0	0	34	0	1	0	0	0	35	35.00
Hourly Average	0.00	0.00	8.50	0.00	0.25	0.00	0.00	0.00	8.75	8.75
1500 - 1515	0	0	5	0	1	0	0	1	7	8.00
1515 - 1530	0	0	6	0	2	0	0	0	8	8.00
1530 - 1545	0	0	8	0	1	0	0	0	9	9.00
1545 - 1600	0	0	4	0	1	0	0	0	5	5.00
Hourly Total	0	0	23	0	5	0	0	1	29	30.00
Hourly Average	0.00	0.00	5.75	0.00	1.25	0.00	0.00	0.25	7.25	7.50
1600 - 1615	0	0	5	0	1	0	0	0	6	6.00
1615 - 1630	0	0	7	0	1	0	0	0	8	8.00
1630 - 1645	0	0	3	0	2	0	0	0	5	5.00
1645 - 1700	0	0	4	0	1	0	0	0	5	5.00
Hourly Total	0	0	19	0	5	0	0	0	24	24.00
Hourly Average	0.00	0.00	4.75	0.00	1.25	0.00	0.00	0.00	6.00	6.00
1700 - 1715	0	0	6	0	1	0	0	1	8	9.00
1715 - 1730	0	0	4	0	0	0	0	0	4	4.00
1730 - 1745	0	0	3	0	0	0	0	0	3	3.00
1745 - 1800	0	0	2	0	0	1	0	0	3	3.50
Hourly Total	0	0	15	0	1	1	0	1	18	19.50
Hourly Average	0.00	0.00	3.75	0.00	0.25	0.25	0.00	0.25	4.50	4.88
1800 - 1815	0	0	3	0	0	0	0	1	4	5.00
1815 - 1830	0	0	2	0	1	0	0	0	3	3.00
1830 - 1845	0	0	6	0	0	0	0	0	6	6.00
1845 - 1900	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	14	0	1	0	0	1	16	17.00
Hourly Average	0.00	0.00	3.50	0.00	0.25	0.00	0.00	0.25	4.00	4.25
Session Total	0	0	368	3	60	10	2	9	452	468.60
Session Average	0.00	0.00	7.67	0.06	1.25	0.21	0.04	0.19	9.42	9.76

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.9: Right from Croft Avenue East to A41 New Chester Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	0	1	2.00
0715 - 0730	0	0	2	0	0	0	0	0	2	2.00
0730 - 0745	0	0	0	0	0	0	0	0	0	0.00
0745 - 0800	0	0	3	0	0	0	0	1	4	5.00
Hourly Total	0	0	5	0	0	0	0	2	7	9.00
Hourly Average	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.50	1.75	2.25
0800 - 0815	0	0	1	0	0	0	0	0	1	1.00
0815 - 0830	0	0	7	0	0	1	1	0	9	10.80
0830 - 0845	0	0	10	0	3	1	0	0	14	14.50
0845 - 0900	0	0	9	0	0	0	0	1	10	11.00
Hourly Total	0	0	27	0	3	2	1	1	34	37.30
Hourly Average	0.00	0.00	6.75	0.00	0.75	0.50	0.25	0.25	8.50	9.33
0900 - 0915	0	0	4	0	2	0	0	0	6	6.00
0915 - 0930	0	0	11	0	3	0	0	0	14	14.00
0930 - 0945	0	0	7	1	2	0	0	0	10	10.00
0945 - 1000	0	0	7	0	1	0	0	0	8	8.00
Hourly Total	0	0	29	1	8	0	0	0	38	38.00
Hourly Average	0.00	0.00	7.25	0.25	2.00	0.00	0.00	0.00	9.50	9.50
1000 - 1015	0	0	7	0	0	1	0	1	9	10.50
1015 - 1030	0	0	7	0	2	0	0	0	9	9.00
1030 - 1045	0	0	7	0	0	0	0	0	7	7.00
1045 - 1100	0	0	7	0	1	0	0	0	8	8.00
Hourly Total	0	0	28	0	3	1	0	1	33	34.50
Hourly Average	0.00	0.00	7.00	0.00	0.75	0.25	0.00	0.25	8.25	8.63
1100 - 1115	0	0	5	0	1	0	0	1	7	8.00
1115 - 1130	0	0	13	0	0	0	0	0	13	13.00
1130 - 1145	0	0	10	0	0	0	0	0	10	10.00
1145 - 1200	0	0	8	0	0	0	0	0	8	8.00
Hourly Total	0	0	36	0	1	0	0	1	38	39.00
Hourly Average	0.00	0.00	9.00	0.00	0.25	0.00	0.00	0.25	9.50	9.75
1200 - 1215	0	0	3	0	1	0	0	1	5	6.00
1215 - 1230	0	0	6	0	3	0	0	0	9	9.00
1230 - 1245	0	0	8	0	1	0	0	0	9	9.00
1245 - 1300	0	0	9	0	3	0	0	0	12	12.00
Hourly Total	0	0	26	0	8	0	0	1	35	36.00
Hourly Average	0.00	0.00	6.50	0.00	2.00	0.00	0.00	0.25	8.75	9.00
1300 - 1315	0	0	10	0	1	0	0	1	12	13.00
1315 - 1330	0	0	13	0	0	0	0	0	13	13.00
1330 - 1345	0	1	13	0	2	0	0	0	16	15.40
1345 - 1400	0	0	9	0	0	0	0	0	9	9.00
Hourly Total	0	1	45	0	3	0	0	1	50	50.40
Hourly Average	0.00	0.25	11.25	0.00	0.75	0.00	0.00	0.25	12.50	12.60
1400 - 1415	0	0	12	0	0	0	0	1	13	14.00
1415 - 1430	0	0	8	0	1	0	0	0	9	9.00
1430 - 1445	0	0	5	0	1	0	0	0	6	6.00
1445 - 1500	0	0	12	0	0	0	0	0	12	12.00
Hourly Total	0	0	37	0	2	0	0	1	40	41.00
Hourly Average	0.00	0.00	9.25	0.00	0.50	0.00	0.00	0.25	10.00	10.25
1500 - 1515	0	0	2	0	0	0	0	1	3	4.00
1515 - 1530	0	1	7	0	1	0	0	0	9	8.40
1530 - 1545	0	0	4	0	0	0	0	0	4	4.00
1545 - 1600	0	0	6	0	0	0	0	1	7	8.00
Hourly Total	0	1	19	0	1	0	0	2	23	24.40
Hourly Average	0.00	0.25	4.75	0.00	0.25	0.00	0.00	0.50	5.75	6.10
1600 - 1615	0	0	5	0	1	0	0	0	6	6.00
1615 - 1630	0	0	1	0	0	0	0	0	1	1.00
1630 - 1645	0	0	4	0	0	0	0	0	4	4.00
1645 - 1700	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	12	0	2	0	0	0	14	14.00
Hourly Average	0.00	0.00	3.00	0.00	0.50	0.00	0.00	0.00	3.50	3.50
1700 - 1715	0	0	2	0	1	0	0	1	4	5.00
1715 - 1730	0	0	1	0	1	0	0	0	2	2.00
1730 - 1745	0	0	1	0	0	0	0	0	1	1.00
1745 - 1800	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	6	0	3	0	0	1	10	11.00
Hourly Average	0.00	0.00	1.50	0.00	0.75	0.00	0.00	0.25	2.50	2.75
1800 - 1815	0	0	2	0	0	0	0	1	3	4.00
1815 - 1830	0	0	5	0	0	0	0	0	5	5.00
1830 - 1845	0	0	1	0	0	0	0	0	1	1.00
1845 - 1900	0	0	5	0	0	0	0	0	5	5.00
Hourly Total	0	0	13	0	0	0	0	1	14	15.00
Hourly Average	0.00	0.00	3.25	0.00	0.00	0.00	0.00	0.25	3.50	3.75
Session Total	0	2	283	1	34	3	1	12	336	349.60
Session Average	0.00	0.04	5.90	0.02	0.71	0.06	0.02	0.25	7.00	7.28

617-18 Bromborough  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.10: Left from A41 New Chester Road (North) to Caldbeck Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	17	0	1	1	0	0	19	19.50
0715 - 0730	0	0	26	0	3	0	0	0	29	29.00
0730 - 0745	0	0	37	0	5	1	0	0	43	43.50
0745 - 0800	0	1	45	0	4	0	0	0	50	49.40
Hourly Total	0	1	125	0	13	2	0	0	141	141.40
Hourly Average	0.00	0.25	31.25	0.00	3.25	0.50	0.00	0.00	35.25	35.35
0800 - 0815	0	0	36	0	9	1	0	0	46	46.50
0815 - 0830	0	0	37	1	7	2	0	0	47	48.00
0830 - 0845	0	0	37	0	6	0	0	0	43	43.00
0845 - 0900	0	1	55	0	5	2	0	0	63	63.40
Hourly Total	0	1	165	1	27	5	0	0	199	200.90
Hourly Average	0.00	0.25	41.25	0.25	6.75	1.25	0.00	0.00	49.75	50.23
0900 - 0915	0	0	58	0	8	0	0	0	66	66.00
0915 - 0930	0	0	48	0	2	0	0	0	50	50.00
0930 - 0945	0	0	43	0	4	0	0	0	47	47.00
0945 - 1000	0	0	46	1	6	0	0	0	53	53.00
Hourly Total	0	0	195	1	20	0	0	0	216	216.00
Hourly Average	0.00	0.00	48.75	0.25	5.00	0.00	0.00	0.00	54.00	54.00
1000 - 1015	0	0	42	0	5	1	0	0	48	48.50
1015 - 1030	0	0	47	1	7	1	0	0	56	56.50
1030 - 1045	0	0	58	0	7	2	0	0	67	68.00
1045 - 1100	0	0	61	0	8	1	0	0	70	70.50
Hourly Total	0	0	208	1	27	5	0	0	241	243.50
Hourly Average	0.00	0.00	52.00	0.25	6.75	1.25	0.00	0.00	60.25	60.88
1100 - 1115	0	0	51	0	3	2	1	0	57	59.30
1115 - 1130	0	0	55	0	5	1	0	0	61	61.50
1130 - 1145	0	2	71	0	6	1	0	0	80	79.30
1145 - 1200	0	0	63	0	5	3	0	0	71	72.50
Hourly Total	0	2	240	0	19	7	1	0	269	272.60
Hourly Average	0.00	0.50	60.00	0.00	4.75	1.75	0.25	0.00	67.25	68.15
1200 - 1215	0	0	64	0	8	2	0	0	74	75.00
1215 - 1230	0	0	49	0	4	1	0	0	54	54.50
1230 - 1245	0	0	72	0	5	1	1	0	79	80.80
1245 - 1300	0	1	79	0	1	0	0	0	81	80.40
Hourly Total	0	1	264	0	18	4	1	0	288	290.70
Hourly Average	0.00	0.25	66.00	0.00	4.50	1.00	0.25	0.00	72.00	72.68
1300 - 1315	0	0	62	0	3	1	0	0	66	66.50
1315 - 1330	0	0	72	0	6	2	0	0	80	81.00
1330 - 1345	0	0	63	0	4	3	0	0	70	71.50
1345 - 1400	0	0	73	0	7	0	0	0	80	80.00
Hourly Total	0	0	270	0	20	6	0	0	296	299.00
Hourly Average	0.00	0.00	67.50	0.00	5.00	1.50	0.00	0.00	74.00	74.75
1400 - 1415	0	0	58	0	9	1	0	0	68	68.50
1415 - 1430	0	0	50	0	2	0	0	0	52	52.00
1430 - 1445	0	0	81	0	11	0	0	0	92	92.00
1445 - 1500	0	0	56	0	1	1	1	0	59	60.80
Hourly Total	0	0	245	0	23	2	1	0	271	273.30
Hourly Average	0.00	0.00	61.25	0.00	5.75	0.50	0.25	0.00	67.75	68.33
1500 - 1515	0	2	73	0	6	1	0	0	82	81.30
1515 - 1530	0	1	67	2	3	0	0	0	73	72.40
1530 - 1545	0	0	68	0	8	0	0	0	76	76.00
1545 - 1600	0	0	51	0	6	1	0	0	58	58.50
Hourly Total	0	3	259	2	23	2	0	0	289	288.20
Hourly Average	0.00	0.75	64.75	0.50	5.75	0.50	0.00	0.00	72.25	72.05
1600 - 1615	0	0	78	1	5	0	0	0	84	84.00
1615 - 1630	0	0	82	0	1	0	0	0	83	83.00
1630 - 1645	0	1	65	0	6	0	0	0	72	71.40
1645 - 1700	0	0	77	0	5	0	0	0	82	82.00
Hourly Total	0	1	302	1	17	0	0	0	321	320.40
Hourly Average	0.00	0.25	75.50	0.25	4.25	0.00	0.00	0.00	80.25	80.10
1700 - 1715	0	0	60	0	2	0	0	0	62	62.00
1715 - 1730	0	0	75	0	2	0	0	0	77	77.00
1730 - 1745	0	0	58	0	2	0	0	1	61	62.00
1745 - 1800	0	0	68	0	2	0	0	0	70	70.00
Hourly Total	0	0	261	0	8	0	0	1	270	271.00
Hourly Average	0.00	0.00	65.25	0.00	2.00	0.00	0.00	0.25	67.50	67.75
1800 - 1815	0	0	55	0	4	0	0	0	59	59.00
1815 - 1830	0	0	64	0	3	0	0	0	67	67.00
1830 - 1845	0	1	33	0	2	0	0	0	36	35.40
1845 - 1900	0	0	45	0	1	0	0	1	47	48.00
Hourly Total	0	1	197	0	10	0	0	1	209	209.40
Hourly Average	0.00	0.25	49.25	0.00	2.50	0.00	0.00	0.25	52.25	52.35
Session Total	0	10	2731	6	225	33	3	2	3010	3026.40
Session Average	0.00	0.21	56.90	0.13	4.69	0.69	0.06	0.04	62.71	63.05



Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.10: Left from A41 New Chester Road (North) to Caldbeck Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	7	0	1	0	0	0	8	8.00
0715 - 0730	0	0	9	0	2	0	0	0	11	11.00
0730 - 0745	0	0	17	0	5	1	0	0	23	23.50
0745 - 0800	0	0	16	0	3	1	0	0	20	20.50
Hourly Total	0	0	49	0	11	2	0	0	62	63.00
Hourly Average	0.00	0.00	12.25	0.00	2.75	0.50	0.00	0.00	15.50	15.75
0800 - 0815	0	0	14	0	3	0	0	0	17	17.00
0815 - 0830	0	0	27	0	0	0	0	0	27	27.00
0830 - 0845	0	0	26	0	3	0	0	1	30	31.00
0845 - 0900	0	0	43	0	3	1	0	0	47	47.50
Hourly Total	0	0	110	0	9	1	0	1	121	122.50
Hourly Average	0.00	0.00	27.50	0.00	2.25	0.25	0.00	0.25	30.25	30.63
0900 - 0915	0	1	48	0	1	0	0	0	50	49.40
0915 - 0930	0	0	37	0	1	0	0	0	38	38.00
0930 - 0945	0	0	49	0	6	0	0	0	55	55.00
0945 - 1000	0	0	56	0	4	0	0	0	60	60.00
Hourly Total	0	1	190	0	12	0	0	0	203	202.40
Hourly Average	0.00	0.25	47.50	0.00	3.00	0.00	0.00	0.00	50.75	50.60
1000 - 1015	0	0	58	0	5	0	0	0	63	63.00
1015 - 1030	0	0	68	0	3	1	0	0	72	72.50
1030 - 1045	0	1	49	1	3	1	0	0	55	54.90
1045 - 1100	0	0	69	1	4	1	0	0	75	75.50
Hourly Total	0	1	244	2	15	3	0	0	265	265.90
Hourly Average	0.00	0.25	61.00	0.50	3.75	0.75	0.00	0.00	66.25	66.48
1100 - 1115	0	0	64	0	5	0	0	0	69	69.00
1115 - 1130	0	0	71	0	2	1	0	0	74	74.50
1130 - 1145	0	0	58	1	5	1	0	0	65	65.50
1145 - 1200	0	0	83	0	4	1	0	0	88	88.50
Hourly Total	0	0	276	1	16	3	0	0	296	297.50
Hourly Average	0.00	0.00	69.00	0.25	4.00	0.75	0.00	0.00	74.00	74.38
1200 - 1215	0	0	78	0	2	0	0	0	80	80.00
1215 - 1230	0	0	87	1	1	0	0	0	89	89.00
1230 - 1245	0	0	76	0	2	1	0	0	79	79.50
1245 - 1300	0	0	88	0	4	0	0	0	92	92.00
Hourly Total	0	0	329	1	9	1	0	0	340	340.50
Hourly Average	0.00	0.00	82.25	0.25	2.25	0.25	0.00	0.00	85.00	85.13
1300 - 1315	0	0	94	0	2	0	0	0	96	96.00
1315 - 1330	0	0	77	0	6	0	0	0	83	83.00
1330 - 1345	0	0	85	0	1	0	0	0	86	86.00
1345 - 1400	0	1	85	0	2	0	0	0	88	87.40
Hourly Total	0	1	341	0	11	0	0	0	353	352.40
Hourly Average	0.00	0.25	85.25	0.00	2.75	0.00	0.00	0.00	88.25	88.10
1400 - 1415	0	1	68	0	3	0	0	0	72	71.40
1415 - 1430	0	0	84	0	3	0	0	0	87	87.00
1430 - 1445	0	0	74	0	6	1	0	0	81	81.50
1445 - 1500	0	1	66	0	3	0	0	0	70	69.40
Hourly Total	0	2	292	0	15	1	0	0	310	309.30
Hourly Average	0.00	0.50	73.00	0.00	3.75	0.25	0.00	0.00	77.50	77.33
1500 - 1515	0	0	61	0	1	0	0	0	62	62.00
1515 - 1530	0	0	75	0	0	1	0	0	76	76.50
1530 - 1545	0	0	77	0	2	0	0	0	79	79.00
1545 - 1600	0	0	72	0	2	0	0	0	74	74.00
Hourly Total	0	0	285	0	5	1	0	0	291	291.50
Hourly Average	0.00	0.00	71.25	0.00	1.25	0.25	0.00	0.00	72.75	72.88
1600 - 1615	0	0	53	0	3	0	0	0	56	56.00
1615 - 1630	0	1	73	0	7	0	0	0	81	80.40
1630 - 1645	0	0	51	0	2	0	0	0	53	53.00
1645 - 1700	0	0	63	0	0	0	0	0	63	63.00
Hourly Total	0	1	240	0	12	0	0	0	253	252.40
Hourly Average	0.00	0.25	60.00	0.00	3.00	0.00	0.00	0.00	63.25	63.10
1700 - 1715	0	0	64	0	0	0	0	0	64	64.00
1715 - 1730	0	0	47	0	8	0	0	0	55	55.00
1730 - 1745	0	0	69	0	5	0	0	0	74	74.00
1745 - 1800	0	0	38	0	3	0	0	0	41	41.00
Hourly Total	0	0	218	0	16	0	0	0	234	234.00
Hourly Average	0.00	0.00	54.50	0.00	4.00	0.00	0.00	0.00	58.50	58.50
1800 - 1815	0	0	56	0	1	0	0	0	57	57.00
1815 - 1830	0	0	38	0	2	0	0	0	40	40.00
1830 - 1845	0	0	35	0	2	0	0	0	37	37.00
1845 - 1900	0	0	27	0	1	0	0	0	28	28.00
Hourly Total	0	0	156	0	6	0	0	0	162	162.00
Hourly Average	0.00	0.00	39.00	0.00	1.50	0.00	0.00	0.00	40.50	40.50
Session Total	0	6	2730	4	137	12	0	1	2890	2893.40
Session Average	0.00	0.13	56.88	0.08	2.85	0.25	0.00	0.02	60.21	60.28

**617-18 Bromborough**  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.11: Southbound from A41 New Chester Road (North) to A41 New Chester Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	2	90	1	16	3	2	3	117	122.90
0715 - 0730	0	2	102	0	19	2	4	3	132	140.00
0730 - 0745	0	21	110	0	24	2	2	3	162	156.00
0745 - 0800	2	3	114	1	24	4	4	1	153	157.80
<b>Hourly Total</b>	<b>2</b>	<b>28</b>	<b>416</b>	<b>2</b>	<b>83</b>	<b>11</b>	<b>12</b>	<b>10</b>	<b>564</b>	<b>576.70</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>7.00</b>	<b>104.00</b>	<b>0.50</b>	<b>20.75</b>	<b>2.75</b>	<b>3.00</b>	<b>2.50</b>	<b>141.00</b>	<b>144.18</b>
0800 - 0815	0	3	140	1	26	10	2	2	184	191.80
0815 - 0830	0	2	122	1	26	6	3	0	160	165.70
0830 - 0845	0	0	109	1	17	2	7	0	136	146.10
0845 - 0900	0	2	89	0	24	4	8	0	127	138.20
<b>Hourly Total</b>	<b>0</b>	<b>7</b>	<b>460</b>	<b>3</b>	<b>93</b>	<b>22</b>	<b>20</b>	<b>2</b>	<b>607</b>	<b>641.80</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.75</b>	<b>115.00</b>	<b>0.75</b>	<b>23.25</b>	<b>5.50</b>	<b>5.00</b>	<b>0.50</b>	<b>151.75</b>	<b>160.45</b>
0900 - 0915	0	1	89	0	23	4	8	0	125	136.80
0915 - 0930	0	0	67	0	16	3	6	0	92	101.30
0930 - 0945	0	0	71	0	18	4	4	0	97	104.20
0945 - 1000	0	4	73	2	19	3	7	0	108	116.20
<b>Hourly Total</b>	<b>0</b>	<b>5</b>	<b>300</b>	<b>2</b>	<b>76</b>	<b>14</b>	<b>25</b>	<b>0</b>	<b>422</b>	<b>458.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.25</b>	<b>75.00</b>	<b>0.50</b>	<b>19.00</b>	<b>3.50</b>	<b>6.25</b>	<b>0.00</b>	<b>105.50</b>	<b>114.63</b>
1000 - 1015	0	0	54	2	26	5	8	3	98	113.90
1015 - 1030	0	2	65	0	26	2	5	1	101	108.30
1030 - 1045	0	1	71	0	25	4	6	1	108	118.20
1045 - 1100	0	1	83	1	19	5	5	3	117	128.40
<b>Hourly Total</b>	<b>0</b>	<b>4</b>	<b>273</b>	<b>3</b>	<b>96</b>	<b>16</b>	<b>24</b>	<b>8</b>	<b>424</b>	<b>468.80</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.00</b>	<b>68.25</b>	<b>0.75</b>	<b>24.00</b>	<b>4.00</b>	<b>6.00</b>	<b>2.00</b>	<b>106.00</b>	<b>117.20</b>
1100 - 1115	0	2	81	0	21	11	9	1	125	142.00
1115 - 1130	0	0	61	0	17	4	3	2	87	94.90
1130 - 1145	0	0	86	0	27	6	4	2	125	135.20
1145 - 1200	0	0	72	1	20	2	3	2	100	106.90
<b>Hourly Total</b>	<b>0</b>	<b>2</b>	<b>300</b>	<b>1</b>	<b>85</b>	<b>23</b>	<b>19</b>	<b>7</b>	<b>437</b>	<b>479.00</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.50</b>	<b>75.00</b>	<b>0.25</b>	<b>21.25</b>	<b>5.75</b>	<b>4.75</b>	<b>1.75</b>	<b>109.25</b>	<b>119.75</b>
1200 - 1215	0	4	109	1	23	3	10	0	150	162.10
1215 - 1230	0	3	76	1	14	2	4	1	101	106.40
1230 - 1245	0	3	100	0	17	4	2	1	127	130.80
1245 - 1300	0	0	96	0	21	4	5	0	126	134.50
<b>Hourly Total</b>	<b>0</b>	<b>10</b>	<b>381</b>	<b>2</b>	<b>75</b>	<b>13</b>	<b>21</b>	<b>2</b>	<b>504</b>	<b>533.80</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>2.50</b>	<b>95.25</b>	<b>0.50</b>	<b>18.75</b>	<b>3.25</b>	<b>5.25</b>	<b>0.50</b>	<b>126.00</b>	<b>133.45</b>
1300 - 1315	0	0	108	0	17	5	4	0	134	141.70
1315 - 1330	0	0	99	2	22	2	11	2	138	153.30
1330 - 1345	0	1	93	0	11	1	3	0	109	112.80
1345 - 1400	1	3	95	1	23	3	4	0	130	134.10
<b>Hourly Total</b>	<b>1</b>	<b>4</b>	<b>395</b>	<b>3</b>	<b>73</b>	<b>11</b>	<b>22</b>	<b>2</b>	<b>511</b>	<b>543.90</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>1.00</b>	<b>98.75</b>	<b>0.75</b>	<b>18.25</b>	<b>2.75</b>	<b>5.50</b>	<b>0.50</b>	<b>127.75</b>	<b>135.98</b>
1400 - 1415	0	2	120	1	18	0	4	1	146	151.00
1415 - 1430	0	5	105	1	15	6	5	1	138	145.50
1430 - 1445	0	0	107	1	23	6	3	0	140	146.90
1445 - 1500	0	3	109	1	20	5	8	1	147	159.10
<b>Hourly Total</b>	<b>0</b>	<b>10</b>	<b>441</b>	<b>4</b>	<b>76</b>	<b>17</b>	<b>20</b>	<b>3</b>	<b>571</b>	<b>602.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>2.50</b>	<b>110.25</b>	<b>1.00</b>	<b>19.00</b>	<b>4.25</b>	<b>5.00</b>	<b>0.75</b>	<b>142.75</b>	<b>150.63</b>
1500 - 1515	0	1	126	0	28	4	3	1	163	169.30
1515 - 1530	0	4	103	0	12	2	6	1	128	135.40
1530 - 1545	0	1	119	1	29	2	3	0	155	159.30
1545 - 1600	0	0	134	2	17	2	5	0	160	167.50
<b>Hourly Total</b>	<b>0</b>	<b>6</b>	<b>482</b>	<b>3</b>	<b>86</b>	<b>10</b>	<b>17</b>	<b>2</b>	<b>606</b>	<b>631.50</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>1.50</b>	<b>120.50</b>	<b>0.75</b>	<b>21.50</b>	<b>2.50</b>	<b>4.25</b>	<b>0.50</b>	<b>151.50</b>	<b>157.88</b>
1600 - 1615	0	2	140	0	20	3	4	1	170	176.50
1615 - 1630	0	4	164	0	15	0	3	0	186	187.50
1630 - 1645	0	2	149	2	12	3	2	1	171	174.90
1645 - 1700	0	3	157	1	14	0	3	0	178	180.10
<b>Hourly Total</b>	<b>0</b>	<b>11</b>	<b>610</b>	<b>3</b>	<b>61</b>	<b>6</b>	<b>12</b>	<b>2</b>	<b>705</b>	<b>719.00</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>2.75</b>	<b>152.50</b>	<b>0.75</b>	<b>15.25</b>	<b>1.50</b>	<b>3.00</b>	<b>0.50</b>	<b>176.25</b>	<b>179.75</b>
1700 - 1715	1	1	167	1	20	2	3	0	195	198.50
1715 - 1730	0	3	201	2	15	1	1	0	223	223.00
1730 - 1745	0	3	128	2	9	2	0	0	144	143.20
1745 - 1800	1	0	141	1	9	1	1	1	155	157.00
<b>Hourly Total</b>	<b>2</b>	<b>7</b>	<b>637</b>	<b>6</b>	<b>53</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>717</b>	<b>721.70</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>1.75</b>	<b>159.25</b>	<b>1.50</b>	<b>13.25</b>	<b>1.50</b>	<b>1.25</b>	<b>0.25</b>	<b>179.25</b>	<b>180.43</b>
1800 - 1815	1	4	108	0	11	1	4	0	129	131.50
1815 - 1830	1	2	95	4	10	0	3	1	116	118.90
1830 - 1845	0	1	82	2	9	2	1	1	98	100.70
1845 - 1900	0	2	93	0	6	0	7	0	108	115.90
<b>Hourly Total</b>	<b>2</b>	<b>9</b>	<b>378</b>	<b>6</b>	<b>36</b>	<b>3</b>	<b>15</b>	<b>2</b>	<b>451</b>	<b>467.00</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>2.25</b>	<b>94.50</b>	<b>1.50</b>	<b>9.00</b>	<b>0.75</b>	<b>3.75</b>	<b>0.50</b>	<b>112.75</b>	<b>116.75</b>
<b>Session Total</b>	<b>7</b>	<b>103</b>	<b>5073</b>	<b>38</b>	<b>893</b>	<b>152</b>	<b>212</b>	<b>41</b>	<b>6519</b>	<b>6844.20</b>
<b>Session Average</b>	<b>0.15</b>	<b>2.15</b>	<b>105.69</b>	<b>0.79</b>	<b>18.60</b>	<b>3.17</b>	<b>4.42</b>	<b>0.85</b>	<b>135.81</b>	<b>142.59</b>

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.11: Southbound from A41 New Chester Road (North) to A41 New Chester Road (South)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	43	0	0	1	1	0	45	46.80
0715 - 0730	0	1	26	0	4	1	3	1	36	40.80
0730 - 0745	0	0	34	0	0	1	1	3	39	43.80
0745 - 0800	0	3	36	0	1	1	3	0	44	46.60
Hourly Total	0	4	139	0	5	4	8	4	164	178.00
Hourly Average	0.00	1.00	34.75	0.00	1.25	1.00	2.00	1.00	41.00	44.50
0800 - 0815	0	0	41	0	4	0	7	2	54	65.10
0815 - 0830	3	1	53	0	7	2	2	2	70	72.60
0830 - 0845	0	2	58	0	7	1	2	0	70	71.90
0845 - 0900	1	3	62	0	3	1	0	0	70	67.90
Hourly Total	4	6	214	0	21	4	11	4	264	277.50
Hourly Average	1.00	1.50	53.50	0.00	5.25	1.00	2.75	1.00	66.00	69.38
0900 - 0915	0	1	58	0	6	2	2	1	70	74.00
0915 - 0930	0	0	61	0	4	3	3	1	72	78.40
0930 - 0945	0	1	59	0	8	1	2	0	71	73.50
0945 - 1000	0	0	78	0	3	2	2	0	85	88.60
Hourly Total	0	2	256	0	21	8	9	2	298	314.50
Hourly Average	0.00	0.50	64.00	0.00	5.25	2.00	2.25	0.50	74.50	78.63
1000 - 1015	0	3	78	0	5	1	0	1	88	87.70
1015 - 1030	0	2	66	0	3	0	2	0	73	74.40
1030 - 1045	0	2	81	0	7	1	1	2	94	96.60
1045 - 1100	0	2	77	0	2	3	1	0	85	86.60
Hourly Total	0	9	302	0	17	5	4	3	340	345.30
Hourly Average	0.00	2.25	75.50	0.00	4.25	1.25	1.00	0.75	85.00	86.33
1100 - 1115	0	1	99	0	3	1	1	0	105	106.20
1115 - 1130	0	0	13	0	3	3	2	0	21	25.10
1130 - 1145	0	0	89	0	2	1	1	2	95	98.80
1145 - 1200	0	0	117	0	7	4	1	0	129	132.30
Hourly Total	0	1	318	0	15	9	5	2	350	362.40
Hourly Average	0.00	0.25	79.50	0.00	3.75	2.25	1.25	0.50	87.50	90.60
1200 - 1215	0	3	92	0	4	0	1	1	101	101.50
1215 - 1230	0	0	113	0	4	2	2	1	122	126.60
1230 - 1245	0	1	107	0	3	1	0	0	112	111.90
1245 - 1300	0	3	133	0	9	2	3	0	150	153.10
Hourly Total	0	7	445	0	20	5	6	2	485	493.10
Hourly Average	0.00	1.75	111.25	0.00	5.00	1.25	1.50	0.50	121.25	123.28
1300 - 1315	0	0	118	0	6	1	1	3	129	133.80
1315 - 1330	1	3	90	0	5	0	2	0	101	101.00
1330 - 1345	0	1	116	0	5	0	1	0	123	123.70
1345 - 1400	0	0	116	0	4	1	0	0	121	121.50
Hourly Total	1	4	440	0	20	2	4	3	474	480.00
Hourly Average	0.25	1.00	110.00	0.00	5.00	0.50	1.00	0.75	118.50	120.00
1400 - 1415	0	0	122	0	4	1	2	2	131	136.10
1415 - 1430	0	2	121	0	5	0	0	1	129	128.80
1430 - 1445	0	0	86	0	2	0	0	0	88	88.00
1445 - 1500	0	1	135	0	2	1	3	1	143	147.80
Hourly Total	0	3	464	0	13	2	5	4	491	500.70
Hourly Average	0.00	0.75	116.00	0.00	3.25	0.50	1.25	1.00	122.75	125.18
1500 - 1515	0	1	105	0	3	0	0	2	111	112.40
1515 - 1530	0	1	90	0	1	2	0	2	96	98.40
1530 - 1545	0	1	98	0	3	2	3	0	107	111.30
1545 - 1600	0	3	117	0	4	0	1	0	125	124.50
Hourly Total	0	6	410	0	11	4	4	4	439	446.60
Hourly Average	0.00	1.50	102.50	0.00	2.75	1.00	1.00	1.00	109.75	111.65
1600 - 1615	0	1	94	0	5	0	2	1	103	106.00
1615 - 1630	0	2	82	0	4	1	1	1	91	92.60
1630 - 1645	0	2	114	0	2	1	2	1	122	124.90
1645 - 1700	0	0	102	0	8	0	1	0	111	112.30
Hourly Total	0	5	392	0	19	2	6	3	427	435.80
Hourly Average	0.00	1.25	98.00	0.00	4.75	0.50	1.50	0.75	106.75	108.95
1700 - 1715	0	1	107	0	9	2	1	0	120	121.70
1715 - 1730	0	1	115	0	7	0	2	1	126	129.00
1730 - 1745	0	1	101	0	7	0	1	0	110	110.70
1745 - 1800	0	1	101	0	7	0	1	0	110	110.70
Hourly Total	0	4	424	0	30	2	5	1	466	472.10
Hourly Average	0.00	1.00	106.00	0.00	7.50	0.50	1.25	0.25	116.50	118.03
1800 - 1815	0	1	86	0	1	0	2	0	90	92.00
1815 - 1830	0	3	98	0	4	0	1	0	106	105.50
1830 - 1845	0	1	94	0	2	0	1	0	98	98.70
1845 - 1900	0	2	110	0	2	1	1	0	116	116.60
Hourly Total	0	7	388	0	9	1	5	0	410	412.80
Hourly Average	0.00	1.75	97.00	0.00	2.25	0.25	1.25	0.00	102.50	103.20
Session Total	5	58	4192	0	201	48	72	32	4608	4718.80
Session Average	0.10	1.21	87.33	0.00	4.19	1.00	1.50	0.67	96.00	98.31

**617-18 Bromborough**  
Classified Junction Count

Site 2 of 6  
Caldbeck Road  
A41 New Chester Road (South)  
Croft Avenue East  
A41 New Chester Road (North)

Lat/Long  
lat 53.337011° lon -2.979335°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 2.12: Right from A41 New Chester Road (North) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	9	0	0	1	0	1	11	12.50
0715 - 0730	0	0	16	0	5	0	0	1	22	23.00
0730 - 0745	0	0	14	0	1	0	0	1	16	17.00
0745 - 0800	0	0	11	1	4	0	0	3	19	22.00
Hourly Total	0	0	50	1	10	1	0	6	68	74.50
Hourly Average	0.00	0.00	12.50	0.25	2.50	0.25	0.00	1.50	17.00	18.63
0800 - 0815	0	0	20	0	0	0	0	0	20	20.00
0815 - 0830	0	0	23	2	4	0	0	3	32	35.00
0830 - 0845	0	0	48	1	2	2	0	0	53	54.00
0845 - 0900	0	0	35	0	5	1	0	1	42	43.50
Hourly Total	0	0	126	3	11	3	0	4	147	152.50
Hourly Average	0.00	0.00	31.50	0.75	2.75	0.75	0.00	1.00	36.75	38.13
0900 - 0915	0	0	24	0	4	0	0	0	28	28.00
0915 - 0930	0	0	18	0	0	1	1	2	22	25.80
0930 - 0945	0	0	13	1	5	0	0	2	21	23.00
0945 - 1000	0	0	22	0	3	1	0	0	26	26.50
Hourly Total	0	0	77	1	12	2	1	4	97	103.30
Hourly Average	0.00	0.00	19.25	0.25	3.00	0.50	0.25	1.00	24.25	25.83
1000 - 1015	0	0	19	0	3	1	0	1	24	25.50
1015 - 1030	0	0	20	0	6	1	0	1	28	29.50
1030 - 1045	0	0	27	0	8	0	0	0	35	35.00
1045 - 1100	0	0	19	0	1	1	0	0	21	21.50
Hourly Total	0	0	85	0	18	3	0	2	108	111.50
Hourly Average	0.00	0.00	21.25	0.00	4.50	0.75	0.00	0.50	27.00	27.88
1100 - 1115	0	0	25	0	1	0	0	4	30	34.00
1115 - 1130	0	1	18	0	6	0	0	0	25	24.40
1130 - 1145	0	0	24	0	4	1	0	1	30	31.50
1145 - 1200	0	0	42	0	2	0	0	2	46	48.00
Hourly Total	0	1	109	0	13	1	0	7	131	137.90
Hourly Average	0.00	0.25	27.25	0.00	3.25	0.25	0.00	1.75	32.75	34.48
1200 - 1215	0	0	25	0	1	1	0	0	27	27.50
1215 - 1230	0	0	29	1	8	0	1	2	41	44.30
1230 - 1245	0	0	32	0	2	0	0	2	36	38.00
1245 - 1300	0	0	36	0	4	0	1	2	43	46.30
Hourly Total	0	0	122	1	15	1	2	6	147	156.10
Hourly Average	0.00	0.00	30.50	0.25	3.75	0.25	0.50	1.50	36.75	39.03
1300 - 1315	1	0	38	1	3	1	0	0	44	43.70
1315 - 1330	0	0	30	1	4	0	0	2	37	39.00
1330 - 1345	0	0	38	0	2	0	0	1	41	42.00
1345 - 1400	0	0	29	0	4	0	0	2	35	37.00
Hourly Total	1	0	135	2	13	1	0	5	157	161.70
Hourly Average	0.25	0.00	33.75	0.50	3.25	0.25	0.00	1.25	39.25	40.43
1400 - 1415	0	0	29	0	3	1	0	1	34	35.50
1415 - 1430	0	0	33	0	2	0	0	0	35	35.00
1430 - 1445	0	0	31	0	3	0	0	2	36	38.00
1445 - 1500	0	0	32	0	2	0	0	2	36	38.00
Hourly Total	0	0	125	0	10	1	0	5	141	146.50
Hourly Average	0.00	0.00	31.25	0.00	2.50	0.25	0.00	1.25	35.25	36.63
1500 - 1515	0	0	37	0	1	2	0	0	40	41.00
1515 - 1530	0	0	37	0	5	0	0	2	44	46.00
1530 - 1545	0	0	31	0	3	0	0	1	35	36.00
1545 - 1600	0	0	36	2	5	0	0	3	46	49.00
Hourly Total	0	0	141	2	14	2	0	6	165	172.00
Hourly Average	0.00	0.00	35.25	0.50	3.50	0.50	0.00	1.50	41.25	43.00
1600 - 1615	0	0	34	1	9	0	0	1	45	46.00
1615 - 1630	0	0	39	0	3	1	0	1	44	45.50
1630 - 1645	0	1	37	0	4	0	0	1	43	43.40
1645 - 1700	0	2	40	0	6	0	0	1	49	48.80
Hourly Total	0	3	150	1	22	1	0	4	181	183.70
Hourly Average	0.00	0.75	37.50	0.25	5.50	0.25	0.00	1.00	45.25	45.93
1700 - 1715	0	0	44	0	3	0	0	2	49	51.00
1715 - 1730	0	3	49	2	3	0	0	3	60	61.20
1730 - 1745	0	0	21	0	3	0	0	0	24	24.00
1745 - 1800	0	0	29	0	0	1	0	2	32	34.50
Hourly Total	0	3	143	2	9	1	0	7	165	170.70
Hourly Average	0.00	0.75	35.75	0.50	2.25	0.25	0.00	1.75	41.25	42.68
1800 - 1815	0	0	32	0	2	0	0	2	36	38.00
1815 - 1830	0	0	22	0	2	0	0	2	26	28.00
1830 - 1845	0	1	28	0	2	0	0	1	32	32.40
1845 - 1900	0	0	28	0	2	0	0	2	32	34.00
Hourly Total	0	1	110	0	8	0	0	7	126	132.40
Hourly Average	0.00	0.25	27.50	0.00	2.00	0.00	0.00	1.75	31.50	33.10
Session Total	1	8	1373	13	155	17	3	63	1633	1702.80
Session Average	0.02	0.17	28.60	0.27	3.23	0.35	0.06	1.31	34.02	35.48

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 2.12: Right from A41 New Chester Road (North) to Croft Avenue East								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	4	0	0	0	0	0	4	4.00
0715 - 0730	0	0	3	0	1	0	0	3	7	10.00
0730 - 0745	0	1	5	0	1	1	0	0	8	7.90
0745 - 0800	0	0	5	0	0	0	0	2	7	9.00
Hourly Total	0	1	17	0	2	1	0	5	26	30.90
Hourly Average	0.00	0.25	4.25	0.00	0.50	0.25	0.00	1.25	6.50	7.73
0800 - 0815	0	0	5	0	1	0	0	1	7	8.00
0815 - 0830	0	0	11	0	0	0	0	2	13	15.00
0830 - 0845	0	0	10	0	0	0	0	0	10	10.00
0845 - 0900	0	0	23	0	2	0	0	3	28	31.00
Hourly Total	0	0	49	0	3	0	0	6	58	64.00
Hourly Average	0.00	0.00	12.25	0.00	0.75	0.00	0.00	1.50	14.50	16.00
0900 - 0915	0	0	24	1	1	0	0	1	27	28.00
0915 - 0930	0	1	26	0	4	1	0	0	32	31.90
0930 - 0945	0	0	24	0	4	0	0	0	28	28.00
0945 - 1000	0	0	20	0	2	0	0	3	25	28.00
Hourly Total	0	1	94	1	11	1	0	4	112	115.90
Hourly Average	0.00	0.25	23.50	0.25	2.75	0.25	0.00	1.00	28.00	28.98
1000 - 1015	0	0	17	0	1	0	0	0	18	18.00
1015 - 1030	0	0	21	0	1	0	0	0	22	22.00
1030 - 1045	0	1	21	0	0	1	0	3	26	28.90
1045 - 1100	0	0	28	0	5	0	0	1	34	35.00
Hourly Total	0	1	87	0	7	1	0	4	100	103.90
Hourly Average	0.00	0.25	21.75	0.00	1.75	0.25	0.00	1.00	25.00	25.98
1100 - 1115	0	0	22	0	1	0	0	0	23	23.00
1115 - 1130	0	0	31	0	3	0	0	2	36	38.00
1130 - 1145	0	0	16	0	2	1	0	2	21	23.50
1145 - 1200	0	0	22	0	4	0	0	2	28	30.00
Hourly Total	0	0	91	0	10	1	0	6	108	114.50
Hourly Average	0.00	0.00	22.75	0.00	2.50	0.25	0.00	1.50	27.00	28.63
1200 - 1215	0	0	23	0	0	0	0	0	23	23.00
1215 - 1230	0	0	35	0	5	0	0	2	42	44.00
1230 - 1245	0	1	29	0	0	0	0	0	30	29.40
1245 - 1300	0	0	41	0	2	0	0	2	45	47.00
Hourly Total	0	1	128	0	7	0	0	4	140	143.40
Hourly Average	0.00	0.25	32.00	0.00	1.75	0.00	0.00	1.00	35.00	35.85
1300 - 1315	0	0	28	0	0	0	0	0	28	28.00
1315 - 1330	0	0	47	0	2	0	0	0	49	49.00
1330 - 1345	0	0	42	0	1	0	0	3	46	49.00
1345 - 1400	0	0	29	0	0	0	0	1	30	31.00
Hourly Total	0	0	146	0	3	0	0	4	153	157.00
Hourly Average	0.00	0.00	36.50	0.00	0.75	0.00	0.00	1.00	38.25	39.25
1400 - 1415	0	0	29	0	0	1	0	2	32	34.50
1415 - 1430	0	0	18	0	2	0	0	1	21	22.00
1430 - 1445	0	0	28	1	3	0	0	2	34	36.00
1445 - 1500	0	0	24	0	2	1	0	2	28	30.00
Hourly Total	0	0	99	1	7	1	0	7	115	122.50
Hourly Average	0.00	0.00	24.75	0.25	1.75	0.25	0.00	1.75	28.75	30.63
1500 - 1515	0	0	32	0	5	0	0	2	39	41.00
1515 - 1530	0	0	18	0	3	0	0	1	22	23.00
1530 - 1545	0	1	36	0	1	0	0	1	39	39.40
1545 - 1600	0	1	25	0	3	0	0	0	29	28.40
Hourly Total	0	2	111	0	12	0	0	4	129	131.80
Hourly Average	0.00	0.50	27.75	0.00	3.00	0.00	0.00	1.00	32.25	32.95
1600 - 1615	0	1	25	0	1	0	0	3	30	32.40
1615 - 1630	0	0	29	0	3	0	0	0	32	32.00
1630 - 1645	0	0	26	1	2	0	0	2	31	33.00
1645 - 1700	0	0	23	0	1	0	0	2	26	28.00
Hourly Total	0	1	103	1	7	0	0	7	119	125.40
Hourly Average	0.00	0.25	25.75	0.25	1.75	0.00	0.00	1.75	29.75	31.35
1700 - 1715	0	0	24	0	1	0	0	0	25	25.00
1715 - 1730	0	0	36	0	1	0	0	2	39	41.00
1730 - 1745	0	0	27	0	2	0	0	3	32	35.00
1745 - 1800	0	0	20	0	1	0	0	1	22	23.00
Hourly Total	0	0	107	0	5	0	0	6	118	124.00
Hourly Average	0.00	0.00	26.75	0.00	1.25	0.00	0.00	1.50	29.50	31.00
1800 - 1815	0	0	30	1	0	0	0	2	33	35.00
1815 - 1830	0	0	25	0	1	0	0	1	27	28.00
1830 - 1845	0	0	24	0	0	0	0	2	26	28.00
1845 - 1900	0	0	22	0	1	0	0	1	24	25.00
Hourly Total	0	0	101	1	2	0	0	6	110	116.00
Hourly Average	0.00	0.00	25.25	0.25	0.50	0.00	0.00	1.50	27.50	29.00
Session Total	0	7	1133	4	76	5	0	63	1288	1349.30
Session Average	0.00	0.15	23.60	0.08	1.58	0.10	0.00	1.31	26.83	28.11

617-18 Bromborough  
Classified Junction Count

Site 3 of 6  
Caldbeck Road (East)  
Caldbeck Road (West)  
Welton Road

Lat/Long  
lat 53.337396° lon -2.978125°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 3.1: Westbound from Caldbeck Road (East) to Caldbeck Road (West)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	37	0	4	1	0	1	44	44.70
0715 - 0730	0	1	31	0	5	2	1	2	42	45.70
0730 - 0745	0	0	42	0	9	1	0	0	52	52.50
0745 - 0800	0	0	41	0	3	0	0	2	46	48.00
<b>Hourly Total</b>	<b>1</b>	<b>1</b>	<b>151</b>	<b>0</b>	<b>21</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>184</b>	<b>190.90</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.25</b>	<b>37.75</b>	<b>0.00</b>	<b>5.25</b>	<b>1.00</b>	<b>0.25</b>	<b>1.25</b>	<b>46.00</b>	<b>47.73</b>
0800 - 0815	0	0	52	0	9	2	0	2	65	68.00
0815 - 0830	0	0	43	0	9	0	0	2	54	56.00
0830 - 0845	0	0	60	1	8	3	0	1	73	75.50
0845 - 0900	0	1	65	0	11	3	0	2	82	84.90
<b>Hourly Total</b>	<b>0</b>	<b>1</b>	<b>220</b>	<b>1</b>	<b>37</b>	<b>8</b>	<b>0</b>	<b>7</b>	<b>274</b>	<b>284.40</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.25</b>	<b>55.00</b>	<b>0.25</b>	<b>9.25</b>	<b>2.00</b>	<b>0.00</b>	<b>1.75</b>	<b>68.50</b>	<b>71.10</b>
0900 - 0915	0	1	91	0	19	2	2	1	116	120.00
0915 - 0930	0	0	97	0	12	2	0	2	113	116.00
0930 - 0945	2	0	93	0	8	2	1	1	107	108.70
0945 - 1000	0	0	110	0	9	1	1	2	123	126.80
<b>Hourly Total</b>	<b>2</b>	<b>1</b>	<b>391</b>	<b>0</b>	<b>48</b>	<b>7</b>	<b>4</b>	<b>6</b>	<b>459</b>	<b>471.50</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>0.25</b>	<b>97.75</b>	<b>0.00</b>	<b>12.00</b>	<b>1.75</b>	<b>1.00</b>	<b>1.50</b>	<b>114.75</b>	<b>117.88</b>
1000 - 1015	0	1	126	1	16	1	1	1	147	149.20
1015 - 1030	0	0	148	0	20	6	1	2	177	183.30
1030 - 1045	0	0	163	1	19	4	0	1	188	191.00
1045 - 1100	0	1	183	0	11	3	0	2	200	202.90
<b>Hourly Total</b>	<b>0</b>	<b>2</b>	<b>620</b>	<b>2</b>	<b>66</b>	<b>14</b>	<b>2</b>	<b>6</b>	<b>712</b>	<b>726.40</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.50</b>	<b>155.00</b>	<b>0.50</b>	<b>16.50</b>	<b>3.50</b>	<b>0.50</b>	<b>1.50</b>	<b>178.00</b>	<b>181.60</b>
1100 - 1115	1	0	164	0	12	3	0	2	182	184.70
1115 - 1130	0	0	216	1	11	2	2	2	234	239.60
1130 - 1145	0	0	201	0	11	2	0	1	215	217.00
1145 - 1200	0	0	212	0	7	2	1	2	224	228.30
<b>Hourly Total</b>	<b>1</b>	<b>0</b>	<b>793</b>	<b>1</b>	<b>41</b>	<b>9</b>	<b>3</b>	<b>7</b>	<b>855</b>	<b>869.60</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.00</b>	<b>198.25</b>	<b>0.25</b>	<b>10.25</b>	<b>2.25</b>	<b>0.75</b>	<b>1.75</b>	<b>213.75</b>	<b>217.40</b>
1200 - 1215	0	0	204	0	12	2	2	0	220	223.60
1215 - 1230	0	1	199	0	16	1	1	2	220	223.20
1230 - 1245	1	0	211	0	8	3	0	1	224	225.70
1245 - 1300	0	1	220	1	13	1	1	2	239	242.20
<b>Hourly Total</b>	<b>1</b>	<b>2</b>	<b>834</b>	<b>1</b>	<b>49</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>903</b>	<b>914.70</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.50</b>	<b>208.50</b>	<b>0.25</b>	<b>12.25</b>	<b>1.75</b>	<b>1.00</b>	<b>1.25</b>	<b>225.75</b>	<b>228.68</b>
1300 - 1315	0	2	218	0	6	0	0	1	227	226.80
1315 - 1330	0	0	214	0	9	0	0	2	225	227.00
1330 - 1345	0	1	204	0	7	2	1	1	216	218.70
1345 - 1400	0	0	226	1	14	3	1	1	246	249.80
<b>Hourly Total</b>	<b>0</b>	<b>3</b>	<b>862</b>	<b>1</b>	<b>36</b>	<b>5</b>	<b>2</b>	<b>5</b>	<b>914</b>	<b>922.30</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.75</b>	<b>215.50</b>	<b>0.25</b>	<b>9.00</b>	<b>1.25</b>	<b>0.50</b>	<b>1.25</b>	<b>228.50</b>	<b>230.58</b>
1400 - 1415	0	0	220	0	12	2	0	2	236	239.00
1415 - 1430	0	1	208	1	13	0	1	2	226	228.70
1430 - 1445	0	1	221	0	12	1	0	1	236	236.90
1445 - 1500	0	0	222	0	10	0	0	2	234	236.00
<b>Hourly Total</b>	<b>0</b>	<b>2</b>	<b>871</b>	<b>1</b>	<b>47</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>932</b>	<b>940.60</b>
<b>Hourly Average</b>	<b>0.00</b>	<b>0.50</b>	<b>217.75</b>	<b>0.25</b>	<b>11.75</b>	<b>0.75</b>	<b>0.25</b>	<b>1.75</b>	<b>233.00</b>	<b>235.15</b>
1500 - 1515	0	0	243	0	13	2	0	0	258	259.00
1515 - 1530	1	1	195	0	10	1	0	4	212	215.10
1530 - 1545	0	0	212	2	6	0	1	1	222	224.30
1545 - 1600	0	2	232	0	13	1	0	2	250	251.30
<b>Hourly Total</b>	<b>1</b>	<b>3</b>	<b>882</b>	<b>2</b>	<b>42</b>	<b>4</b>	<b>1</b>	<b>7</b>	<b>942</b>	<b>949.70</b>
<b>Hourly Average</b>	<b>0.25</b>	<b>0.75</b>	<b>220.50</b>	<b>0.50</b>	<b>10.50</b>	<b>1.00</b>	<b>0.25</b>	<b>1.75</b>	<b>235.50</b>	<b>237.43</b>
1600 - 1615	2	0	214	1	10	0	3	1	231	234.30
1615 - 1630	0	0	210	0	12	1	0	2	225	227.50
1630 - 1645	0	0	251	0	5	1	0	0	257	257.50
1645 - 1700	1	0	193	1	6	0	0	2	203	204.20
<b>Hourly Total</b>	<b>3</b>	<b>0</b>	<b>868</b>	<b>2</b>	<b>33</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>916</b>	<b>923.50</b>
<b>Hourly Average</b>	<b>0.75</b>	<b>0.00</b>	<b>217.00</b>	<b>0.50</b>	<b>8.25</b>	<b>0.50</b>	<b>0.75</b>	<b>1.25</b>	<b>229.00</b>	<b>230.88</b>
1700 - 1715	0	0	225	0	11	2	0	2	240	243.00
1715 - 1730	1	1	213	0	5	0	0	1	221	220.60
1730 - 1745	1	0	232	0	6	0	0	3	242	244.20
1745 - 1800	0	0	206	0	7	0	0	1	214	215.00
<b>Hourly Total</b>	<b>2</b>	<b>1</b>	<b>876</b>	<b>0</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>917</b>	<b>922.80</b>
<b>Hourly Average</b>	<b>0.50</b>	<b>0.25</b>	<b>219.00</b>	<b>0.00</b>	<b>7.25</b>	<b>0.50</b>	<b>0.00</b>	<b>1.75</b>	<b>229.25</b>	<b>230.70</b>
1800 - 1815	1	0	215	1	3	1	0	1	222	222.70
1815 - 1830	0	0	214	0	7	0	0	2	223	225.00
1830 - 1845	1	0	201	0	3	0	0	0	205	204.20
1845 - 1900	1	0	179	1	3	0	0	1	185	185.20
<b>Hourly Total</b>	<b>3</b>	<b>0</b>	<b>809</b>	<b>2</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>835</b>	<b>837.10</b>
<b>Hourly Average</b>	<b>0.75</b>	<b>0.00</b>	<b>202.25</b>	<b>0.50</b>	<b>4.00</b>	<b>0.25</b>	<b>0.00</b>	<b>1.00</b>	<b>208.75</b>	<b>209.28</b>
<b>Session Total</b>	<b>14</b>	<b>16</b>	<b>8177</b>	<b>13</b>	<b>465</b>	<b>66</b>	<b>21</b>	<b>71</b>	<b>8843</b>	<b>8953.50</b>
<b>Session Average</b>	<b>0.29</b>	<b>0.33</b>	<b>170.35</b>	<b>0.27</b>	<b>9.69</b>	<b>1.38</b>	<b>0.44</b>	<b>1.48</b>	<b>184.23</b>	<b>186.53</b>

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 3.1: Westbound from Caldbeck Road (East) to Caldbeck Road (West)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	2	0	27	0	4	0	0	0	33	31.40
0715 - 0730	0	0	18	0	3	1	0	1	23	24.50
0730 - 0745	0	0	13	0	4	0	0	0	17	17.00
0745 - 0800	1	0	27	0	8	1	0	1	38	38.70
Hourly Total	3	0	85	0	19	2	0	2	111	111.60
Hourly Average	0.75	0.00	21.25	0.00	4.75	0.50	0.00	0.50	27.75	27.90
0800 - 0815	0	0	27	0	5	0	0	1	33	34.00
0815 - 0830	0	0	46	0	8	2	0	1	57	59.00
0830 - 0845	0	0	47	0	5	1	0	1	54	55.50
0845 - 0900	1	0	59	0	11	1	0	1	73	73.70
Hourly Total	1	0	179	0	29	4	0	4	217	222.20
Hourly Average	0.25	0.00	44.75	0.00	7.25	1.00	0.00	1.00	54.25	55.55
0900 - 0915	0	0	87	0	9	1	0	1	98	99.50
0915 - 0930	0	2	103	0	4	1	0	1	111	111.30
0930 - 0945	0	0	125	0	7	1	0	1	134	135.50
0945 - 1000	0	0	131	0	5	1	1	1	139	141.80
Hourly Total	0	2	446	0	25	4	1	4	482	488.10
Hourly Average	0.00	0.50	111.50	0.00	6.25	1.00	0.25	1.00	120.50	122.03
1000 - 1015	0	0	167	0	11	0	0	1	179	180.00
1015 - 1030	0	0	183	0	10	1	0	1	195	196.50
1030 - 1045	0	0	176	0	10	0	0	1	187	188.00
1045 - 1100	1	0	173	0	10	1	0	1	186	186.70
Hourly Total	1	0	699	0	41	2	0	4	747	751.20
Hourly Average	0.25	0.00	174.75	0.00	10.25	0.50	0.00	1.00	186.75	187.80
1100 - 1115	1	1	217	0	6	1	0	1	227	227.10
1115 - 1130	1	0	210	0	8	0	0	1	220	220.20
1130 - 1145	0	0	203	1	9	0	0	1	214	215.00
1145 - 1200	0	1	222	0	8	0	0	1	232	232.40
Hourly Total	2	2	852	1	31	1	0	4	893	894.70
Hourly Average	0.50	0.50	213.00	0.25	7.75	0.25	0.00	1.00	223.25	223.68
1200 - 1215	0	0	229	0	6	0	1	1	237	239.30
1215 - 1230	0	1	245	0	4	1	0	1	252	252.90
1230 - 1245	0	0	210	1	8	0	0	0	219	219.00
1245 - 1300	0	0	261	0	4	0	0	2	267	269.00
Hourly Total	0	1	945	1	22	1	1	4	975	980.20
Hourly Average	0.00	0.25	236.25	0.25	5.50	0.25	0.25	1.00	243.75	245.05
1300 - 1315	0	0	252	0	5	0	0	1	258	259.00
1315 - 1330	0	0	268	0	8	0	0	0	276	276.00
1330 - 1345	0	0	228	0	6	0	0	2	236	238.00
1345 - 1400	0	0	228	0	6	0	0	1	235	236.00
Hourly Total	0	0	976	0	25	0	0	4	1005	1009.00
Hourly Average	0.00	0.00	244.00	0.00	6.25	0.00	0.00	1.00	251.25	252.25
1400 - 1415	0	0	242	1	7	0	0	1	251	252.00
1415 - 1430	0	0	254	0	6	0	1	0	261	262.30
1430 - 1445	0	0	238	0	8	0	0	1	247	248.00
1445 - 1500	1	1	225	0	7	0	0	1	235	234.60
Hourly Total	1	1	959	1	28	0	1	3	994	996.90
Hourly Average	0.25	0.25	239.75	0.25	7.00	0.00	0.25	0.75	248.50	249.23
1500 - 1515	0	1	238	0	2	0	0	2	243	244.40
1515 - 1530	1	0	261	0	2	0	0	1	265	265.20
1530 - 1545	0	2	267	0	3	0	0	1	273	272.80
1545 - 1600	0	0	247	1	3	1	0	0	252	252.50
Hourly Total	1	3	1013	1	10	1	0	4	1033	1034.90
Hourly Average	0.25	0.75	253.25	0.25	2.50	0.25	0.00	1.00	258.25	258.73
1600 - 1615	0	0	223	1	3	0	0	2	229	231.00
1615 - 1630	0	0	258	0	6	0	0	1	265	266.00
1630 - 1645	0	0	239	1	7	0	0	1	248	249.00
1645 - 1700	0	0	244	0	2	0	1	0	247	248.30
Hourly Total	0	0	964	2	18	0	1	4	989	994.30
Hourly Average	0.00	0.00	241.00	0.50	4.50	0.00	0.25	1.00	247.25	248.58
1700 - 1715	0	0	256	0	4	0	0	2	262	264.00
1715 - 1730	1	0	231	0	2	1	0	1	236	236.70
1730 - 1745	0	0	233	0	4	1	0	1	239	240.50
1745 - 1800	0	0	220	0	5	0	0	1	226	227.00
Hourly Total	1	0	940	0	15	2	0	5	963	968.20
Hourly Average	0.25	0.00	235.00	0.00	3.75	0.50	0.00	1.25	240.75	242.05
1800 - 1815	0	1	206	0	6	0	0	1	214	214.40
1815 - 1830	0	1	192	0	9	0	0	1	203	203.40
1830 - 1845	1	1	170	0	8	0	1	1	182	182.90
1845 - 1900	0	0	115	0	4	0	0	1	120	121.00
Hourly Total	1	3	683	0	27	0	1	4	719	721.70
Hourly Average	0.25	0.75	170.75	0.00	6.75	0.00	0.25	1.00	179.75	180.43
Session Total	11	12	8741	6	290	17	5	46	9128	9173.00
Session Average	0.23	0.25	182.10	0.13	6.04	0.35	0.10	0.96	190.17	191.10

617-18 Bromborough  
Classified Junction Count

Site 3 of 6  
Caldbeck Road (East)  
Caldbeck Road (West)  
Welton Road

Lat/Long  
lat 53.337396° lon -2.978125°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 3.2: Right from Caldbeck Road (East) to Welton Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	7	0	2	0	0	0	9	9.00
0715 - 0730	0	0	2	0	2	0	0	0	4	4.00
0730 - 0745	0	0	4	0	1	0	0	0	5	5.00
0745 - 0800	0	0	8	0	1	0	0	0	9	9.00
Hourly Total	0	0	21	0	6	0	0	0	27	27.00
Hourly Average	0.00	0.00	5.25	0.00	1.50	0.00	0.00	0.00	6.75	6.75
0800 - 0815	0	0	5	0	3	0	0	0	8	8.00
0815 - 0830	0	0	4	0	2	0	0	0	6	6.00
0830 - 0845	0	0	14	0	4	0	0	0	18	18.00
0845 - 0900	0	0	7	0	2	0	0	0	9	9.00
Hourly Total	0	0	30	0	11	0	0	0	41	41.00
Hourly Average	0.00	0.00	7.50	0.00	2.75	0.00	0.00	0.00	10.25	10.25
0900 - 0915	0	0	15	0	2	0	0	0	17	17.00
0915 - 0930	0	0	12	0	1	0	0	0	13	13.00
0930 - 0945	0	0	14	0	1	0	0	0	15	15.00
0945 - 1000	0	0	13	0	2	0	0	0	15	15.00
Hourly Total	0	0	54	0	6	0	0	0	60	60.00
Hourly Average	0.00	0.00	13.50	0.00	1.50	0.00	0.00	0.00	15.00	15.00
1000 - 1015	0	0	15	0	2	0	0	0	17	17.00
1015 - 1030	0	0	14	0	1	0	0	0	15	15.00
1030 - 1045	0	0	12	0	2	0	0	0	14	14.00
1045 - 1100	0	0	16	0	1	0	0	0	17	17.00
Hourly Total	0	0	57	0	6	0	0	0	63	63.00
Hourly Average	0.00	0.00	14.25	0.00	1.50	0.00	0.00	0.00	15.75	15.75
1100 - 1115	0	0	16	0	1	1	0	0	17	17.50
1115 - 1130	0	0	17	0	1	0	0	0	18	18.00
1130 - 1145	0	0	20	0	2	0	0	0	22	22.00
1145 - 1200	0	0	21	0	4	0	1	0	26	27.30
Hourly Total	0	0	74	0	7	1	1	0	83	84.80
Hourly Average	0.00	0.00	18.50	0.00	1.75	0.25	0.25	0.00	20.75	21.20
1200 - 1215	0	0	37	0	1	1	0	0	39	39.50
1215 - 1230	0	0	35	0	2	0	0	0	37	37.00
1230 - 1245	0	0	39	0	1	0	0	0	40	40.00
1245 - 1300	0	1	36	0	2	0	0	0	39	38.40
Hourly Total	0	1	147	0	6	1	0	0	155	154.90
Hourly Average	0.00	0.25	36.75	0.00	1.50	0.25	0.00	0.00	38.75	38.73
1300 - 1315	0	2	55	0	0	0	0	0	57	55.80
1315 - 1330	0	0	37	0	2	0	0	0	39	39.00
1330 - 1345	0	0	41	0	2	0	0	0	43	43.00
1345 - 1400	0	0	22	0	2	0	0	0	24	24.00
Hourly Total	0	2	155	0	6	0	0	0	163	161.80
Hourly Average	0.00	0.50	38.75	0.00	1.50	0.00	0.00	0.00	40.75	40.45
1400 - 1415	0	0	27	0	3	0	0	0	30	30.00
1415 - 1430	0	0	19	0	2	0	0	0	21	21.00
1430 - 1445	0	0	27	0	2	0	0	0	29	29.00
1445 - 1500	0	0	19	0	0	0	0	0	19	19.00
Hourly Total	0	0	92	0	7	0	0	0	99	99.00
Hourly Average	0.00	0.00	23.00	0.00	1.75	0.00	0.00	0.00	24.75	24.75
1500 - 1515	0	0	21	0	2	0	0	0	23	23.00
1515 - 1530	0	0	11	0	0	0	0	0	11	11.00
1530 - 1545	0	0	15	0	3	0	0	0	18	18.00
1545 - 1600	0	0	20	0	0	0	0	0	20	20.00
Hourly Total	0	0	67	0	5	0	0	0	72	72.00
Hourly Average	0.00	0.00	16.75	0.00	1.25	0.00	0.00	0.00	18.00	18.00
1600 - 1615	0	0	20	0	2	0	0	0	22	22.00
1615 - 1630	0	0	23	0	1	0	0	0	24	24.00
1630 - 1645	0	0	27	0	4	0	0	0	31	31.00
1645 - 1700	0	0	26	0	2	0	0	0	28	28.00
Hourly Total	0	0	96	0	9	0	0	0	105	105.00
Hourly Average	0.00	0.00	24.00	0.00	2.25	0.00	0.00	0.00	26.25	26.25
1700 - 1715	0	0	30	0	0	0	0	0	30	30.00
1715 - 1730	0	0	14	0	1	0	0	0	15	15.00
1730 - 1745	0	0	19	0	0	0	0	0	19	19.00
1745 - 1800	0	0	28	0	0	0	0	0	28	28.00
Hourly Total	0	0	91	0	1	0	0	0	92	92.00
Hourly Average	0.00	0.00	22.75	0.00	0.25	0.00	0.00	0.00	23.00	23.00
1800 - 1815	0	0	18	0	1	0	0	0	19	19.00
1815 - 1830	0	0	18	0	0	0	0	0	18	18.00
1830 - 1845	0	0	19	0	0	0	0	0	19	19.00
1845 - 1900	0	0	10	0	0	0	0	0	10	10.00
Hourly Total	0	0	65	0	1	0	0	0	66	66.00
Hourly Average	0.00	0.00	16.25	0.00	0.25	0.00	0.00	0.00	16.50	16.50
Session Total	0	3	949	0	71	2	1	0	1026	1026.50
Session Average	0.00	0.06	19.77	0.00	1.48	0.04	0.02	0.00	21.38	21.39



Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 3.2: Right from Caldbeck Road (East) to Welton Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	4	0	1	0	0	0	5	5.00
0715 - 0730	0	0	1	0	0	0	0	0	1	1.00
0730 - 0745	0	0	5	0	0	0	0	0	5	5.00
0745 - 0800	0	0	6	0	1	0	0	0	7	7.00
Hourly Total	0	0	16	0	2	0	0	0	18	18.00
Hourly Average	0.00	0.00	4.00	0.00	0.50	0.00	0.00	0.00	4.50	4.50
0800 - 0815	0	0	4	0	2	0	0	0	6	6.00
0815 - 0830	0	0	3	0	2	0	0	0	5	5.00
0830 - 0845	0	0	6	0	0	0	0	0	6	6.00
0845 - 0900	0	0	8	0	2	0	0	0	10	10.00
Hourly Total	0	0	21	0	6	0	0	0	27	27.00
Hourly Average	0.00	0.00	5.25	0.00	1.50	0.00	0.00	0.00	6.75	6.75
0900 - 0915	0	0	14	0	1	0	0	0	15	15.00
0915 - 0930	0	0	16	0	2	0	0	0	18	18.00
0930 - 0945	0	0	9	0	2	0	0	0	11	11.00
0945 - 1000	0	0	16	0	0	0	0	0	16	16.00
Hourly Total	0	0	55	0	5	0	0	0	60	60.00
Hourly Average	0.00	0.00	13.75	0.00	1.25	0.00	0.00	0.00	15.00	15.00
1000 - 1015	0	0	29	0	1	0	0	0	30	30.00
1015 - 1030	0	0	14	0	2	0	0	0	16	16.00
1030 - 1045	0	0	12	0	2	0	0	0	14	14.00
1045 - 1100	0	0	10	0	0	0	0	0	10	10.00
Hourly Total	0	0	65	0	5	0	0	0	70	70.00
Hourly Average	0.00	0.00	16.25	0.00	1.25	0.00	0.00	0.00	17.50	17.50
1100 - 1115	0	0	16	0	0	0	0	0	16	16.00
1115 - 1130	0	0	23	0	1	0	0	0	24	24.00
1130 - 1145	0	0	17	0	1	0	0	0	18	18.00
1145 - 1200	0	0	21	0	0	0	0	0	21	21.00
Hourly Total	0	0	77	0	2	0	0	0	79	79.00
Hourly Average	0.00	0.00	19.25	0.00	0.50	0.00	0.00	0.00	19.75	19.75
1200 - 1215	0	0	16	0	3	1	0	0	20	20.50
1215 - 1230	0	0	25	0	0	0	0	0	25	25.00
1230 - 1245	1	0	25	0	2	0	0	0	28	27.20
1245 - 1300	0	0	30	0	1	0	0	0	31	31.00
Hourly Total	1	0	96	0	6	1	0	0	104	103.70
Hourly Average	0.25	0.00	24.00	0.00	1.50	0.25	0.00	0.00	26.00	25.93
1300 - 1315	0	0	18	0	0	0	0	0	18	18.00
1315 - 1330	0	0	28	0	2	0	0	0	30	30.00
1330 - 1345	0	0	31	0	3	0	0	0	34	34.00
1345 - 1400	0	0	21	0	0	0	0	0	21	21.00
Hourly Total	0	0	98	0	5	0	0	0	103	103.00
Hourly Average	0.00	0.00	24.50	0.00	1.25	0.00	0.00	0.00	25.75	25.75
1400 - 1415	0	0	20	0	1	0	0	0	21	21.00
1415 - 1430	0	0	24	0	1	0	0	0	25	25.00
1430 - 1445	0	0	25	0	0	0	0	0	25	25.00
1445 - 1500	0	0	28	0	0	0	0	0	28	28.00
Hourly Total	0	0	97	0	2	0	0	0	99	99.00
Hourly Average	0.00	0.00	24.25	0.00	0.50	0.00	0.00	0.00	24.75	24.75
1500 - 1515	0	0	22	0	1	0	0	0	23	23.00
1515 - 1530	0	0	19	0	2	0	0	0	21	21.00
1530 - 1545	0	0	20	0	0	0	0	0	20	20.00
1545 - 1600	0	0	21	0	0	0	0	0	21	21.00
Hourly Total	0	0	82	0	3	0	0	0	85	85.00
Hourly Average	0.00	0.00	20.50	0.00	0.75	0.00	0.00	0.00	21.25	21.25
1600 - 1615	0	0	22	0	0	0	0	0	22	22.00
1615 - 1630	0	0	15	0	1	0	0	0	16	16.00
1630 - 1645	0	0	16	0	0	0	0	0	16	16.00
1645 - 1700	0	0	22	0	0	0	0	0	22	22.00
Hourly Total	0	0	75	0	1	0	0	0	76	76.00
Hourly Average	0.00	0.00	18.75	0.00	0.25	0.00	0.00	0.00	19.00	19.00
1700 - 1715	0	0	24	0	0	0	0	0	24	24.00
1715 - 1730	0	0	16	0	0	0	0	0	16	16.00
1730 - 1745	0	0	20	0	0	0	0	0	20	20.00
1745 - 1800	0	0	18	0	0	0	0	0	18	18.00
Hourly Total	0	0	78	0	0	0	0	0	78	78.00
Hourly Average	0.00	0.00	19.50	0.00	0.00	0.00	0.00	0.00	19.50	19.50
1800 - 1815	0	0	17	0	1	0	0	0	18	18.00
1815 - 1830	0	1	17	0	1	0	0	0	19	18.40
1830 - 1845	0	0	22	0	1	0	0	0	23	23.00
1845 - 1900	0	0	13	0	0	0	0	0	13	13.00
Hourly Total	0	1	69	0	3	0	0	0	73	72.40
Hourly Average	0.00	0.25	17.25	0.00	0.75	0.00	0.00	0.00	18.25	18.10
Session Total	1	1	829	0	40	1	0	0	872	871.10
Session Average	0.02	0.02	17.27	0.00	0.33	0.02	0.00	0.00	18.17	18.15

617-18 Bromborough  
Classified Junction Count

Site 3 of 6  
Caldbeck Road (East)  
Caldbeck Road (West)  
Welton Road

Lat/Long  
lat 53.337396° lon -2.978125°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 3.3: Left from Caldbeck Road (West) to Welton Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	38	0	3	0	0	0	41	41.00
0715 - 0730	0	0	45	0	9	3	0	0	57	58.50
0730 - 0745	0	0	64	0	5	0	0	0	69	69.00
0745 - 0800	0	1	72	0	4	3	0	0	77	76.40
Hourly Total	0	1	219	0	21	3	0	0	244	244.90
Hourly Average	0.00	0.25	54.75	0.00	5.25	0.75	0.00	0.00	61.00	61.23
0800 - 0815	0	0	105	0	7	0	0	0	112	112.00
0815 - 0830	0	0	85	1	10	0	0	0	96	96.00
0830 - 0845	0	1	98	0	10	0	1	0	110	110.70
0845 - 0900	1	0	110	0	6	1	0	0	118	117.70
Hourly Total	1	1	398	1	33	1	1	0	436	436.40
Hourly Average	0.25	0.25	99.50	0.25	8.25	0.25	0.25	0.00	109.00	109.10
0900 - 0915	0	0	183	0	14	2	0	0	199	200.00
0915 - 0930	0	0	194	0	2	0	0	0	196	196.00
0930 - 0945	0	0	141	1	8	0	0	0	150	150.00
0945 - 1000	0	0	158	1	10	0	0	0	169	169.00
Hourly Total	0	0	676	2	34	2	0	0	714	715.00
Hourly Average	0.00	0.00	169.00	0.50	8.50	0.50	0.00	0.00	178.50	178.75
1000 - 1015	0	0	154	0	7	0	0	0	161	161.00
1015 - 1030	0	0	186	1	10	0	0	0	197	197.00
1030 - 1045	0	0	180	0	7	0	0	0	187	187.00
1045 - 1100	0	0	184	0	11	0	0	0	195	195.00
Hourly Total	0	0	704	1	35	0	0	0	740	740.00
Hourly Average	0.00	0.00	176.00	0.25	8.75	0.00	0.00	0.00	185.00	185.00
1100 - 1115	0	0	187	1	10	1	2	0	201	204.10
1115 - 1130	0	0	177	1	6	1	0	0	185	185.50
1130 - 1145	0	2	206	0	9	0	0	0	217	215.80
1145 - 1200	0	0	208	0	7	1	0	0	216	216.50
Hourly Total	0	2	778	2	32	3	2	0	819	821.90
Hourly Average	0.00	0.50	194.50	0.50	8.00	0.75	0.50	0.00	204.75	205.48
1200 - 1215	0	1	205	0	12	0	0	0	218	217.40
1215 - 1230	0	0	185	0	8	0	0	0	193	193.00
1230 - 1245	1	0	212	0	10	0	0	0	223	222.20
1245 - 1300	0	1	220	0	10	0	0	0	231	230.40
Hourly Total	1	2	822	0	40	0	0	0	865	863.00
Hourly Average	0.25	0.50	205.50	0.00	10.00	0.00	0.00	0.00	216.25	215.75
1300 - 1315	0	0	198	0	8	1	0	0	207	207.50
1315 - 1330	0	0	191	0	7	1	0	0	199	199.50
1330 - 1345	0	0	212	0	6	2	0	0	220	221.00
1345 - 1400	0	0	218	1	7	0	0	0	226	226.00
Hourly Total	0	0	819	1	28	4	0	0	852	854.00
Hourly Average	0.00	0.00	204.75	0.25	7.00	1.00	0.00	0.00	213.00	213.50
1400 - 1415	0	0	221	0	8	1	0	0	230	230.50
1415 - 1430	0	0	185	0	6	0	0	0	191	191.00
1430 - 1445	0	0	200	0	10	1	1	0	212	213.80
1445 - 1500	0	1	203	1	5	0	0	0	210	209.40
Hourly Total	0	1	809	1	29	2	1	0	843	844.70
Hourly Average	0.00	0.25	202.25	0.25	7.25	0.50	0.25	0.00	210.75	211.18
1500 - 1515	0	2	172	0	13	0	0	0	187	185.80
1515 - 1530	0	1	199	1	7	0	0	0	208	207.40
1530 - 1545	0	0	222	0	7	0	0	0	229	229.00
1545 - 1600	0	0	185	0	5	1	0	0	191	191.50
Hourly Total	0	3	778	1	32	1	0	0	815	813.70
Hourly Average	0.00	0.75	194.50	0.25	8.00	0.25	0.00	0.00	203.75	203.43
1600 - 1615	0	0	208	1	11	0	0	0	220	220.00
1615 - 1630	0	0	218	0	4	0	0	0	222	222.00
1630 - 1645	0	2	198	1	9	1	0	1	212	212.30
1645 - 1700	0	1	224	0	10	0	0	0	235	234.40
Hourly Total	0	3	848	2	34	1	0	1	889	888.70
Hourly Average	0.00	0.75	212.00	0.50	8.50	0.25	0.00	0.25	222.25	222.18
1700 - 1715	0	0	189	0	6	0	0	0	195	195.00
1715 - 1730	0	0	214	1	9	0	0	0	224	224.00
1730 - 1745	1	1	179	0	7	0	0	0	188	186.60
1745 - 1800	0	1	208	0	8	1	0	0	218	217.90
Hourly Total	1	2	790	1	30	1	0	0	825	823.50
Hourly Average	0.25	0.50	197.50	0.25	7.50	0.25	0.00	0.00	206.25	205.88
1800 - 1815	0	0	191	0	7	0	0	0	199	198.40
1815 - 1830	0	0	183	0	3	0	0	0	186	186.00
1830 - 1845	0	1	133	1	4	0	0	0	139	138.40
1845 - 1900	0	0	167	0	6	0	0	0	173	173.00
Hourly Total	0	2	674	1	20	0	0	0	697	695.80
Hourly Average	0.00	0.50	168.50	0.25	5.00	0.00	0.00	0.00	174.25	173.95
Session Total	3	17	8315	13	368	18	4	1	8739	8741.60
Session Average	0.06	0.35	173.23	0.27	7.67	0.38	0.08	0.02	182.06	182.12

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 3.3: Left from Caldbeck Road (West) to Welton Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	28	0	3	1	0	0	32	32.50
0715 - 0730	0	0	30	0	3	0	0	0	33	33.00
0730 - 0745	0	0	38	0	11	1	0	0	50	50.50
0745 - 0800	0	0	54	0	3	0	0	0	57	57.00
Hourly Total	0	0	150	0	20	2	0	0	172	173.00
Hourly Average	0.00	0.00	37.50	0.00	5.00	0.50	0.00	0.00	43.00	43.25
0800 - 0815	1	0	59	0	3	0	0	0	63	62.20
0815 - 0830	0	0	70	0	2	2	0	0	74	75.00
0830 - 0845	0	0	83	0	4	0	0	0	87	87.00
0845 - 0900	0	1	115	0	4	0	0	0	120	119.40
Hourly Total	1	1	327	0	13	2	0	0	344	343.60
Hourly Average	0.25	0.25	81.75	0.00	3.25	0.50	0.00	0.00	86.00	85.90
0900 - 0915	0	1	140	0	5	0	0	0	146	145.40
0915 - 0930	0	0	150	0	3	0	0	0	153	153.00
0930 - 0945	0	0	168	0	6	1	0	0	175	175.50
0945 - 1000	1	0	190	0	9	0	0	0	200	199.20
Hourly Total	1	1	648	0	23	1	0	0	674	673.10
Hourly Average	0.25	0.25	162.00	0.00	5.75	0.25	0.00	0.00	168.50	168.28
1000 - 1015	0	0	218	0	9	0	0	0	227	227.00
1015 - 1030	1	0	228	0	6	0	0	0	235	234.20
1030 - 1045	0	0	198	2	4	1	0	0	205	205.50
1045 - 1100	0	1	232	0	6	1	0	0	240	239.90
Hourly Total	1	1	876	2	25	2	0	0	907	906.60
Hourly Average	0.25	0.25	219.00	0.50	6.25	0.50	0.00	0.00	226.75	226.65
1100 - 1115	0	1	243	0	10	0	0	0	254	253.40
1115 - 1130	0	0	253	0	3	1	0	0	257	257.50
1130 - 1145	0	0	249	1	7	1	0	0	258	258.50
1145 - 1200	0	0	247	0	8	0	0	0	255	255.00
Hourly Total	0	1	992	1	28	2	0	0	1024	1024.40
Hourly Average	0.00	0.25	248.00	0.25	7.00	0.50	0.00	0.00	256.00	256.10
1200 - 1215	0	1	250	1	3	0	0	0	255	254.40
1215 - 1230	0	0	276	1	6	0	0	0	283	283.00
1230 - 1245	0	0	260	0	8	1	0	0	269	269.50
1245 - 1300	0	0	248	0	8	1	0	0	257	257.50
Hourly Total	0	1	1034	2	25	2	0	0	1064	1064.40
Hourly Average	0.00	0.25	258.50	0.50	6.25	0.50	0.00	0.00	266.00	266.10
1300 - 1315	0	0	258	0	3	0	0	0	261	261.00
1315 - 1330	0	0	265	0	7	0	0	0	272	272.00
1330 - 1345	0	0	274	0	4	0	0	0	278	278.00
1345 - 1400	0	0	268	0	5	0	0	0	273	273.00
Hourly Total	0	0	1065	0	19	0	0	0	1084	1084.00
Hourly Average	0.00	0.00	266.25	0.00	4.75	0.00	0.00	0.00	271.00	271.00
1400 - 1415	1	0	233	0	7	0	0	0	241	240.20
1415 - 1430	0	0	275	0	5	0	0	0	280	280.00
1430 - 1445	1	0	260	0	8	1	0	0	270	269.70
1445 - 1500	0	1	252	0	6	1	0	0	259	258.40
Hourly Total	2	1	1020	0	26	1	0	0	1050	1048.30
Hourly Average	0.50	0.25	255.00	0.00	6.50	0.25	0.00	0.00	262.50	262.08
1500 - 1515	1	1	261	0	4	0	0	0	267	265.60
1515 - 1530	0	0	249	0	4	0	0	0	253	253.00
1530 - 1545	0	0	245	0	2	0	0	0	247	247.00
1545 - 1600	0	0	229	0	2	0	0	0	231	231.00
Hourly Total	1	1	984	0	12	0	0	0	998	996.60
Hourly Average	0.25	0.25	246.00	0.00	3.00	0.00	0.00	0.00	249.50	249.15
1600 - 1615	0	0	191	0	5	0	0	0	196	196.00
1615 - 1630	0	1	235	0	9	0	0	0	245	244.40
1630 - 1645	0	1	181	0	7	0	0	0	189	188.40
1645 - 1700	0	0	210	1	2	0	0	0	213	213.00
Hourly Total	0	2	817	1	23	0	0	0	843	841.80
Hourly Average	0.00	0.50	204.25	0.25	5.75	0.00	0.00	0.00	210.75	210.45
1700 - 1715	0	0	201	0	0	0	0	0	201	201.00
1715 - 1730	0	0	175	0	6	1	1	0	183	184.80
1730 - 1745	0	1	193	0	7	0	0	1	202	202.40
1745 - 1800	0	0	144	0	5	0	0	0	149	149.00
Hourly Total	0	1	713	0	18	1	1	1	735	737.20
Hourly Average	0.00	0.25	178.25	0.00	4.50	0.25	0.25	0.25	183.75	184.30
1800 - 1815	0	1	139	0	5	0	0	0	145	144.40
1815 - 1830	0	0	147	0	3	0	0	0	150	150.00
1830 - 1845	0	0	90	0	6	0	0	0	96	96.00
1845 - 1900	0	2	92	0	3	0	0	0	97	95.80
Hourly Total	0	3	468	0	17	0	0	0	488	486.20
Hourly Average	0.00	0.75	117.00	0.00	4.25	0.00	0.00	0.00	122.00	121.55
Session Total	6	13	9094	6	249	13	1	1	9383	9379.20
Session Average	0.13	0.27	189.46	0.13	5.19	0.27	0.02	0.02	195.48	195.40

617-18 Bromborough  
Classified Junction Count

Site 3 of 6  
Caldbeck Road (East)  
Caldbeck Road (West)  
Welton Road

Lat/Long  
lat 53.337396° lon -2.978125°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 3.4: Eastbound from Caldbeck Road (West) to Caldbeck Road (East)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	13	0	8	1	0	0	22	22.50
0715 - 0730	0	1	29	0	8	0	0	0	38	37.40
0730 - 0745	0	0	52	0	10	2	0	2	66	69.00
0745 - 0800	1	0	95	0	17	0	1	1	115	116.50
Hourly Total	1	1	189	0	43	3	1	3	241	245.40
Hourly Average	0.25	0.25	47.25	0.00	10.75	0.75	0.25	0.75	60.25	61.35
0800 - 0815	1	0	55	1	15	5	0	2	79	82.70
0815 - 0830	1	0	98	0	11	3	2	1	116	120.30
0830 - 0845	2	0	82	0	12	2	1	2	101	103.70
0845 - 0900	0	1	87	0	9	1	2	1	101	104.50
Hourly Total	4	1	322	1	47	11	5	6	397	411.20
Hourly Average	1.00	0.25	80.50	0.25	11.75	2.75	1.25	1.50	99.25	102.80
0900 - 0915	0	0	65	0	9	0	1	1	76	78.30
0915 - 0930	0	0	57	0	6	1	1	2	67	70.80
0930 - 0945	0	0	35	0	11	0	1	2	49	52.30
0945 - 1000	0	1	56	0	13	4	0	1	75	77.40
Hourly Total	0	1	213	0	39	5	3	6	267	278.80
Hourly Average	0.00	0.25	53.25	0.00	9.75	1.25	0.75	1.50	66.75	69.70
1000 - 1015	1	0	39	0	11	3	0	2	56	58.70
1015 - 1030	0	0	29	0	10	3	1	1	44	47.80
1030 - 1045	0	1	43	0	10	5	0	2	61	64.90
1045 - 1100	0	0	36	0	8	2	0	1	47	49.00
Hourly Total	1	1	147	0	39	13	1	6	208	220.40
Hourly Average	0.25	0.25	36.75	0.00	9.75	3.25	0.25	1.50	52.00	55.10
1100 - 1115	0	0	33	0	12	3	1	1	50	53.80
1115 - 1130	0	1	37	0	12	4	1	2	57	61.70
1130 - 1145	0	0	26	0	6	1	0	0	33	33.50
1145 - 1200	1	0	28	0	5	4	1	3	42	47.50
Hourly Total	1	1	124	0	35	12	3	6	182	196.50
Hourly Average	0.25	0.25	31.00	0.00	8.75	3.00	0.75	1.50	45.50	49.13
1200 - 1215	0	0	39	0	9	4	0	1	53	56.00
1215 - 1230	0	1	45	0	8	5	1	1	61	65.20
1230 - 1245	0	0	48	0	8	1	1	2	60	63.80
1245 - 1300	0	0	44	0	3	2	0	2	51	54.00
Hourly Total	0	1	176	0	28	12	2	6	225	239.00
Hourly Average	0.00	0.25	44.00	0.00	7.00	3.00	0.50	1.50	56.25	59.75
1300 - 1315	0	0	40	0	7	3	0	2	52	55.50
1315 - 1330	1	0	39	1	7	1	2	1	52	55.30
1330 - 1345	0	0	45	0	11	2	0	1	59	61.00
1345 - 1400	0	0	65	0	10	2	0	2	79	82.00
Hourly Total	1	0	189	1	35	8	2	6	242	253.80
Hourly Average	0.25	0.00	47.25	0.25	8.75	2.00	0.50	1.50	60.50	63.45
1400 - 1415	0	0	43	0	11	0	0	1	55	56.00
1415 - 1430	0	0	44	0	3	1	1	2	51	54.80
1430 - 1445	0	0	50	0	16	1	0	2	69	71.50
1445 - 1500	0	0	36	0	4	4	1	1	46	50.30
Hourly Total	0	0	173	0	34	6	2	6	221	232.60
Hourly Average	0.00	0.00	43.25	0.00	8.50	1.50	0.50	1.50	55.25	58.15
1500 - 1515	1	0	36	1	13	1	0	2	54	55.70
1515 - 1530	0	0	34	1	9	0	0	1	45	46.00
1530 - 1545	0	0	34	0	6	1	3	1	45	50.40
1545 - 1600	0	0	40	0	9	2	0	2	53	56.00
Hourly Total	1	0	144	2	37	4	3	6	197	208.10
Hourly Average	0.25	0.00	36.00	0.50	9.25	1.00	0.75	1.50	49.25	52.03
1600 - 1615	0	0	53	0	5	0	0	1	59	60.00
1615 - 1630	0	1	42	0	7	1	0	2	53	54.90
1630 - 1645	0	0	42	1	7	0	0	2	52	54.00
1645 - 1700	0	0	45	0	2	1	0	1	49	50.50
Hourly Total	0	1	182	1	21	2	0	6	213	219.40
Hourly Average	0.00	0.25	45.50	0.25	5.25	0.50	0.00	1.50	53.25	54.85
1700 - 1715	0	0	46	0	3	0	0	1	50	51.00
1715 - 1730	1	0	48	0	1	0	0	3	53	55.20
1730 - 1745	0	0	50	0	5	0	1	2	58	61.30
1745 - 1800	0	0	43	0	2	0	0	1	46	47.00
Hourly Total	1	0	187	0	11	0	1	7	207	214.50
Hourly Average	0.25	0.00	46.75	0.00	2.75	0.00	0.25	1.75	51.75	53.63
1800 - 1815	0	0	45	0	1	0	0	2	48	50.00
1815 - 1830	0	1	51	1	1	0	0	1	55	55.40
1830 - 1845	1	0	41	0	2	1	0	2	47	48.70
1845 - 1900	0	0	43	0	0	0	0	2	45	47.00
Hourly Total	1	1	180	1	4	1	0	7	195	201.10
Hourly Average	0.25	0.25	45.00	0.25	1.00	0.25	0.00	1.75	48.75	50.28
Session Total	11	8	2226	6	373	77	23	71	2795	2920.80
Session Average	0.23	0.17	46.38	0.13	7.77	1.60	0.48	1.48	58.23	60.85

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 3.4: Eastbound from Caldbeck Road (West) to Caldbeck Road (East)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	3	0	2	1	0	0	7	6.70
0715 - 0730	0	0	2	0	0	0	0	1	3	4.00
0730 - 0745	0	0	11	0	2	0	0	0	13	13.00
0745 - 0800	0	0	39	0	4	1	0	1	45	46.50
Hourly Total	1	0	55	0	8	2	0	2	68	70.20
Hourly Average	0.25	0.00	13.75	0.00	2.00	0.50	0.00	0.50	17.00	17.55
0800 - 0815	0	0	21	0	3	0	1	0	25	26.30
0815 - 0830	0	0	23	0	2	0	0	1	26	27.00
0830 - 0845	0	0	25	0	4	0	1	2	32	35.30
0845 - 0900	0	1	34	0	7	1	0	1	44	44.90
Hourly Total	0	1	103	0	16	1	2	4	127	133.50
Hourly Average	0.00	0.25	25.75	0.00	4.00	0.25	0.50	1.00	31.75	33.38
0900 - 0915	0	0	47	0	2	0	0	1	50	51.00
0915 - 0930	0	0	37	0	1	0	1	1	40	42.30
0930 - 0945	0	0	49	0	3	0	0	1	53	54.00
0945 - 1000	0	0	62	0	4	0	0	1	67	68.00
Hourly Total	0	0	195	0	10	0	1	4	210	215.30
Hourly Average	0.00	0.00	48.75	0.00	2.50	0.00	0.25	1.00	52.50	53.83
1000 - 1015	0	0	51	0	1	1	1	1	55	57.80
1015 - 1030	0	0	41	0	6	1	0	1	49	50.50
1030 - 1045	1	1	43	0	2	1	0	1	49	49.10
1045 - 1100	0	0	56	1	6	1	0	0	64	64.50
Hourly Total	1	1	191	1	15	4	1	3	217	221.90
Hourly Average	0.25	0.25	47.75	0.25	3.75	1.00	0.25	0.75	54.25	55.48
1100 - 1115	0	0	35	0	8	0	1	2	46	49.30
1115 - 1130	0	0	48	0	2	0	0	0	50	50.00
1130 - 1145	1	0	41	1	7	0	1	1	52	53.50
1145 - 1200	0	0	57	0	4	2	0	2	65	68.00
Hourly Total	1	0	181	1	21	2	2	5	213	220.80
Hourly Average	0.25	0.00	45.25	0.25	5.25	0.50	0.50	1.25	53.25	55.20
1200 - 1215	0	0	58	1	3	0	0	1	63	64.00
1215 - 1230	0	0	39	0	4	0	0	1	44	45.00
1230 - 1245	0	0	44	0	2	1	0	0	47	47.50
1245 - 1300	0	0	60	0	3	0	0	0	63	63.00
Hourly Total	0	0	201	1	12	1	0	2	217	219.50
Hourly Average	0.00	0.00	50.25	0.25	3.00	0.25	0.00	0.50	54.25	54.88
1300 - 1315	0	0	60	0	4	0	0	1	65	66.00
1315 - 1330	0	0	37	0	5	0	0	2	44	46.00
1330 - 1345	0	1	42	0	2	0	0	0	45	44.40
1345 - 1400	0	2	41	0	1	0	0	1	45	44.80
Hourly Total	0	3	180	0	12	0	0	4	199	201.20
Hourly Average	0.00	0.75	45.00	0.00	3.00	0.00	0.00	1.00	49.75	50.30
1400 - 1415	1	1	41	0	0	0	0	2	45	45.60
1415 - 1430	0	0	51	0	1	0	1	1	54	56.30
1430 - 1445	0	0	44	0	3	2	0	1	50	52.00
1445 - 1500	0	0	51	0	4	2	1	0	52	53.30
Hourly Total	1	1	187	0	4	2	2	4	201	207.20
Hourly Average	0.25	0.25	46.75	0.00	1.00	0.50	0.50	1.00	50.25	51.80
1500 - 1515	0	0	31	0	3	0	0	1	35	36.00
1515 - 1530	0	0	36	0	1	1	0	1	39	40.50
1530 - 1545	0	0	37	0	3	0	0	1	41	42.00
1545 - 1600	0	0	38	0	1	0	0	0	39	39.00
Hourly Total	0	0	142	0	8	1	0	3	154	157.50
Hourly Average	0.00	0.00	35.50	0.00	2.00	0.25	0.00	0.75	38.50	39.38
1600 - 1615	0	0	34	0	3	0	0	2	39	41.00
1615 - 1630	0	1	34	0	2	0	0	0	37	36.40
1630 - 1645	0	0	45	0	3	0	0	2	50	52.00
1645 - 1700	0	0	39	0	2	0	0	1	42	43.00
Hourly Total	0	1	152	0	10	0	0	5	168	172.40
Hourly Average	0.00	0.25	38.00	0.00	2.50	0.00	0.00	1.25	42.00	43.10
1700 - 1715	0	0	36	0	1	0	0	1	38	39.00
1715 - 1730	0	0	34	0	2	1	0	1	38	39.50
1730 - 1745	0	0	31	0	2	0	0	1	34	35.00
1745 - 1800	0	0	21	0	4	0	0	1	26	27.00
Hourly Total	0	0	122	0	9	1	0	4	136	140.50
Hourly Average	0.00	0.00	30.50	0.00	2.25	0.25	0.00	1.00	34.00	35.13
1800 - 1815	0	0	37	0	0	0	0	1	38	39.00
1815 - 1830	0	0	29	0	1	0	0	1	31	32.00
1830 - 1845	0	1	30	0	0	0	0	0	31	30.40
1845 - 1900	0	0	34	0	1	0	1	2	38	41.30
Hourly Total	0	1	130	0	2	0	1	4	138	142.70
Hourly Average	0.00	0.25	32.50	0.00	0.50	0.00	0.25	1.00	34.50	35.68
Session Total	4	8	1839	3	127	14	9	44	2048	2102.70
Session Average	0.08	0.17	38.31	0.06	2.65	0.29	0.19	0.92	42.67	43.81











617-18 Bromborough  
Classified Junction Count

Site 4 of 6  
Caldbeck Road (East)  
Thursby Road  
Caldbeck Road (West)

Lat/Long  
lat 53.337553° lon -2.976757°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 4.1: Left from Caldbeck Road (East) to Thursby Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	1	0	0	1	1.50
0715 - 0730	0	0	1	0	0	0	0	0	1	1.00
0730 - 0745	0	0	7	0	1	0	0	0	8	8.00
0745 - 0800	0	0	11	0	1	1	0	0	12	12.00
Hourly Total	0	0	19	0	2	1	0	0	22	22.50
Hourly Average	0.00	0.00	4.75	0.00	0.50	0.25	0.00	0.00	5.50	5.63
0800 - 0815	0	0	10	0	2	0	0	0	12	12.00
0815 - 0830	0	0	11	0	0	1	0	0	12	12.50
0830 - 0845	1	0	9	0	1	0	0	0	11	10.20
0845 - 0900	0	0	10	0	6	0	0	0	16	16.00
Hourly Total	1	0	40	0	9	1	0	0	51	50.70
Hourly Average	0.25	0.00	10.00	0.00	2.25	0.25	0.00	0.00	12.75	12.68
0900 - 0915	0	0	3	0	1	0	0	0	4	4.00
0915 - 0930	0	0	1	0	4	0	0	0	5	5.00
0930 - 0945	0	0	2	0	4	0	0	0	6	6.00
0945 - 1000	0	0	7	0	1	0	1	0	9	10.30
Hourly Total	0	0	13	0	10	0	1	0	24	25.30
Hourly Average	0.00	0.00	3.25	0.00	2.50	0.00	0.25	0.00	6.00	6.33
1000 - 1015	0	0	3	0	1	0	0	0	4	4.00
1015 - 1030	0	0	7	0	2	0	0	0	9	9.00
1030 - 1045	0	0	3	0	2	2	0	0	7	8.00
1045 - 1100	0	0	1	0	1	0	0	0	2	2.00
Hourly Total	0	0	14	0	6	2	0	0	22	23.00
Hourly Average	0.00	0.00	3.50	0.00	1.50	0.50	0.00	0.00	5.50	5.75
1100 - 1115	0	0	5	0	0	0	0	0	5	5.00
1115 - 1130	0	0	2	0	1	0	0	0	3	3.00
1130 - 1145	0	0	3	0	0	0	0	0	3	3.00
1145 - 1200	0	0	1	0	1	0	0	0	2	2.00
Hourly Total	0	0	11	0	2	0	0	0	13	13.00
Hourly Average	0.00	0.00	2.75	0.00	0.50	0.00	0.00	0.00	3.25	3.25
1200 - 1215	0	0	4	0	2	0	0	0	6	6.00
1215 - 1230	0	0	7	0	2	0	0	0	9	9.00
1230 - 1245	0	0	6	0	0	0	0	0	6	6.00
1245 - 1300	0	0	12	0	2	0	0	0	14	14.00
Hourly Total	0	0	29	0	6	0	0	0	35	35.00
Hourly Average	0.00	0.00	7.25	0.00	1.50	0.00	0.00	0.00	8.75	8.75
1300 - 1315	0	0	7	0	0	0	0	0	7	7.00
1315 - 1330	0	0	12	0	2	0	0	0	14	14.00
1330 - 1345	0	0	9	0	0	1	0	0	10	10.50
1345 - 1400	0	0	8	0	0	0	0	0	8	8.00
Hourly Total	0	0	36	0	2	1	0	0	39	39.50
Hourly Average	0.00	0.00	9.00	0.00	0.50	0.25	0.00	0.00	9.75	9.88
1400 - 1415	0	0	3	0	3	0	0	0	6	6.00
1415 - 1430	0	1	4	0	1	0	0	0	6	5.40
1430 - 1445	0	0	2	0	1	0	0	0	3	3.00
1445 - 1500	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	1	12	0	5	0	0	0	18	17.40
Hourly Average	0.00	0.25	3.00	0.00	1.25	0.00	0.00	0.00	4.50	4.35
1500 - 1515	0	0	0	0	1	0	0	0	1	1.00
1515 - 1530	0	0	3	0	0	0	0	0	3	3.00
1530 - 1545	0	0	2	0	4	0	0	0	6	6.00
1545 - 1600	0	0	2	0	2	0	0	0	4	4.00
Hourly Total	0	0	7	0	7	0	0	0	14	14.00
Hourly Average	0.00	0.00	1.75	0.00	1.75	0.00	0.00	0.00	3.50	3.50
1600 - 1615	0	0	2	0	0	0	0	0	2	2.00
1615 - 1630	0	0	0	0	0	1	0	0	1	1.50
1630 - 1645	0	0	2	0	1	0	0	0	3	3.00
1645 - 1700	0	0	6	0	1	0	0	0	7	7.00
Hourly Total	0	0	10	0	2	1	0	0	13	13.50
Hourly Average	0.00	0.00	2.50	0.00	0.50	0.25	0.00	0.00	3.25	3.38
1700 - 1715	0	0	2	0	0	0	0	0	2	2.00
1715 - 1730	0	0	3	0	0	0	0	0	3	3.00
1730 - 1745	0	0	2	0	0	0	0	0	2	2.00
1745 - 1800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	8	0	0	0	0	0	8	8.00
Hourly Average	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00
1800 - 1815	0	0	0	0	1	0	0	0	1	1.00
1815 - 1830	0	0	3	0	0	0	0	0	3	3.00
1830 - 1845	0	0	1	0	0	0	0	0	1	1.00
1845 - 1900	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	7	0	1	0	0	0	8	8.00
Hourly Average	0.00	0.00	1.75	0.00	0.25	0.00	0.00	0.00	2.00	2.00
Session Total	1	1	206	0	52	6	1	0	267	269.90
Session Average	0.02	0.02	4.29	0.00	1.08	0.13	0.02	0.00	5.56	5.62

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 4.1: Left from Caldbeck Road (East) to Thursby Road								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	0	0	0	0	0	0	0	0.00
0715 - 0730	0	0	0	0	0	0	0	0	0	0.00
0730 - 0745	1	0	1	0	1	0	0	0	3	2.20
0745 - 0800	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	1	0	1	0	1	0	0	0	3	2.20
Hourly Average	0.25	0.00	0.25	0.00	0.25	0.00	0.00	0.00	0.75	0.55
0800 - 0815	0	0	0	0	3	0	0	0	3	3.00
0815 - 0830	0	0	0	0	1	1	0	0	2	2.50
0830 - 0845	0	0	1	0	0	0	0	0	1	1.00
0845 - 0900	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	2	0	4	1	0	0	7	7.50
Hourly Average	0.00	0.00	0.50	0.00	1.00	0.25	0.00	0.00	1.75	1.88
0900 - 0915	0	0	1	0	0	0	0	0	1	1.00
0915 - 0930	0	0	1	0	0	0	0	0	1	1.00
0930 - 0945	0	0	0	0	0	0	0	0	0	0.00
0945 - 1000	0	0	5	0	0	0	0	0	5	5.00
Hourly Total	0	0	7	0	0	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	1.75	1.75
1000 - 1015	0	0	0	0	0	0	0	0	0	0.00
1015 - 1030	0	0	3	0	0	0	0	0	3	3.00
1030 - 1045	0	0	1	0	2	0	0	0	3	3.00
1045 - 1100	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	7	0	2	0	0	0	9	9.00
Hourly Average	0.00	0.00	1.75	0.00	0.50	0.00	0.00	0.00	2.25	2.25
1100 - 1115	0	0	2	0	1	0	0	0	3	3.00
1115 - 1130	0	0	1	0	1	0	0	0	2	2.00
1130 - 1145	0	0	2	0	0	0	0	0	2	2.00
1145 - 1200	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	5	0	2	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.25	0.00	0.50	0.00	0.00	0.00	1.75	1.75
1200 - 1215	0	0	1	0	1	0	0	0	2	2.00
1215 - 1230	0	0	3	0	0	0	0	0	3	3.00
1230 - 1245	0	0	2	0	1	0	0	0	3	3.00
1245 - 1300	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	9	0	2	0	0	0	11	11.00
Hourly Average	0.00	0.00	2.25	0.00	0.50	0.00	0.00	0.00	2.75	2.75
1300 - 1315	0	0	3	0	1	0	0	0	4	4.00
1315 - 1330	0	0	1	0	0	0	0	0	1	1.00
1330 - 1345	0	0	1	0	0	0	0	0	1	1.00
1345 - 1400	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	5	0	1	0	0	0	6	6.00
Hourly Average	0.00	0.00	1.25	0.00	0.25	0.00	0.00	0.00	1.50	1.50
1400 - 1415	0	0	1	0	0	0	0	0	1	1.00
1415 - 1430	0	0	2	0	1	0	0	0	3	3.00
1430 - 1445	0	0	0	0	0	0	0	0	0	0.00
1445 - 1500	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	5	0	1	0	0	0	6	6.00
Hourly Average	0.00	0.00	1.25	0.00	0.25	0.00	0.00	0.00	1.50	1.50
1500 - 1515	0	0	1	0	0	0	0	0	1	1.00
1515 - 1530	0	0	0	0	0	0	0	0	0	0.00
1530 - 1545	0	0	2	0	0	0	0	0	2	2.00
1545 - 1600	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	3	0	0	0	0	0	3	3.00
Hourly Average	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.75	0.75
1600 - 1615	0	0	0	0	0	0	0	0	0	0.00
1615 - 1630	0	0	1	0	0	0	0	0	1	1.00
1630 - 1645	0	0	1	0	0	0	0	0	1	1.00
1645 - 1700	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	2	0	0	0	0	0	2	2.00
Hourly Average	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.50	0.50
1700 - 1715	0	0	0	0	0	0	0	0	0	0.00
1715 - 1730	0	0	1	0	0	0	0	0	1	1.00
1730 - 1745	0	0	1	0	0	0	0	0	1	1.00
1745 - 1800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	3	0	0	0	0	0	3	3.00
Hourly Average	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.75	0.75
1800 - 1815	0	0	2	0	0	0	0	0	2	2.00
1815 - 1830	1	0	0	0	0	0	0	0	1	0.20
1830 - 1845	0	0	0	0	0	0	0	0	0	0.00
1845 - 1900	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	1	0	3	0	0	0	0	0	4	3.20
Hourly Average	0.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	1.00	0.80
Session Total	2	0	52	0	13	1	0	0	68	66.90
Session Average	0.04	0.00	1.08	0.00	0.27	0.02	0.00	0.00	1.42	1.39

617-18 Bromborough  
Classified Junction Count

Site 4 of 6  
Caldbeck Road (East)  
Thursby Road  
Caldbeck Road (West)

Lat/Long  
lat 53.337553° lon -2.976757°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 4.2: Westbound from Caldbeck Road (East) to Caldbeck Road (West)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	38	0	6	1	0	1	46	47.50
0715 - 0730	0	1	32	0	7	2	1	2	45	48.70
0730 - 0745	0	0	45	0	10	1	0	0	56	56.50
0745 - 0800	0	0	45	0	4	0	0	2	51	53.00
Hourly Total	0	1	160	0	27	4	1	5	198	205.70
Hourly Average	0.00	0.25	40.00	0.00	6.75	1.00	0.25	1.25	49.50	51.43
0800 - 0815	0	0	53	0	12	2	0	2	69	72.00
0815 - 0830	0	0	43	0	11	0	0	2	56	58.00
0830 - 0845	0	0	65	1	12	3	0	1	82	84.50
0845 - 0900	0	1	69	0	13	3	0	2	88	90.90
Hourly Total	0	1	230	1	48	8	0	7	295	305.40
Hourly Average	0.00	0.25	57.50	0.25	12.00	2.00	0.00	1.75	73.75	76.35
0900 - 0915	0	1	99	0	21	2	2	1	126	130.00
0915 - 0930	0	0	107	0	13	2	0	2	124	127.00
0930 - 0945	1	0	104	0	9	2	1	1	118	120.50
0945 - 1000	0	0	114	0	11	1	1	2	129	132.80
Hourly Total	1	1	424	0	54	7	4	6	497	510.30
Hourly Average	0.25	0.25	106.00	0.00	13.50	1.75	1.00	1.50	124.25	127.58
1000 - 1015	0	1	135	1	18	1	1	1	158	160.20
1015 - 1030	0	0	154	0	21	6	1	2	184	190.30
1030 - 1045	0	0	165	1	21	4	0	1	192	195.00
1045 - 1100	0	1	188	0	12	3	0	2	206	208.90
Hourly Total	0	2	642	2	72	14	2	6	740	754.40
Hourly Average	0.00	0.50	160.50	0.50	18.00	3.50	0.50	1.50	185.00	188.60
1100 - 1115	1	0	173	0	12	4	0	2	192	195.20
1115 - 1130	0	0	223	1	12	2	2	2	242	247.60
1130 - 1145	0	0	214	0	13	2	0	1	230	232.00
1145 - 1200	0	0	221	0	11	2	2	2	238	243.60
Hourly Total	1	0	831	1	48	10	4	7	902	918.40
Hourly Average	0.25	0.00	207.75	0.25	12.00	2.50	1.00	1.75	225.50	229.60
1200 - 1215	0	0	226	0	13	3	2	0	244	248.10
1215 - 1230	0	1	224	0	18	1	1	2	247	250.20
1230 - 1245	1	0	230	0	9	3	0	1	244	245.70
1245 - 1300	0	2	237	1	15	1	1	2	259	261.60
Hourly Total	1	3	917	1	55	8	4	5	994	1005.60
Hourly Average	0.25	0.75	229.25	0.25	13.75	2.00	1.00	1.25	248.50	251.40
1300 - 1315	0	4	249	0	6	0	0	1	260	258.60
1315 - 1330	0	0	237	0	11	0	0	2	250	252.00
1330 - 1345	0	1	230	0	9	2	1	1	244	246.70
1345 - 1400	0	0	241	1	16	3	1	1	263	266.80
Hourly Total	0	5	957	1	42	5	2	5	1017	1024.10
Hourly Average	0.00	1.25	239.25	0.25	10.50	1.25	0.50	1.25	254.25	256.03
1400 - 1415	0	0	239	0	15	2	0	2	258	261.00
1415 - 1430	0	1	217	1	15	0	1	2	237	239.70
1430 - 1445	0	1	241	0	14	1	0	1	258	258.90
1445 - 1500	0	0	237	0	10	0	0	2	249	251.00
Hourly Total	0	2	934	1	54	3	1	7	1002	1010.60
Hourly Average	0.00	0.50	233.50	0.25	13.50	0.75	0.25	1.75	250.50	252.65
1500 - 1515	0	0	245	0	15	2	0	0	262	263.00
1515 - 1530	1	1	202	0	10	1	0	4	219	222.10
1530 - 1545	0	0	221	2	9	0	1	1	234	236.30
1545 - 1600	0	2	241	0	13	1	0	2	259	260.30
Hourly Total	1	3	909	2	47	4	1	7	974	981.70
Hourly Average	0.25	0.75	227.25	0.50	11.75	1.00	0.25	1.75	243.50	245.43
1600 - 1615	2	0	222	1	12	0	3	1	241	244.30
1615 - 1630	0	0	220	0	13	1	0	2	236	238.50
1630 - 1645	0	0	250	0	9	1	0	0	260	260.50
1645 - 1700	1	0	198	1	8	0	0	2	210	211.20
Hourly Total	3	0	890	2	42	2	3	5	947	954.50
Hourly Average	0.75	0.00	222.50	0.50	10.50	0.50	0.75	1.25	236.75	238.63
1700 - 1715	0	0	208	0	11	2	0	2	223	226.00
1715 - 1730	1	1	205	0	6	0	0	1	214	213.60
1730 - 1745	0	0	238	0	6	0	0	3	247	250.00
1745 - 1800	0	0	225	0	7	0	0	1	233	234.00
Hourly Total	1	1	876	0	30	2	0	7	917	923.60
Hourly Average	0.25	0.25	219.00	0.00	7.50	0.50	0.00	1.75	229.25	230.90
1800 - 1815	1	0	220	1	4	1	0	1	228	228.70
1815 - 1830	0	0	231	0	7	0	0	2	240	242.00
1830 - 1845	0	0	217	0	3	0	0	0	220	220.00
1845 - 1900	1	0	187	1	3	0	0	1	193	193.20
Hourly Total	2	0	855	2	17	1	0	4	881	883.90
Hourly Average	0.50	0.00	213.75	0.50	4.25	0.25	0.00	1.00	220.25	220.98
Session Total	10	19	8625	13	536	68	22	71	9364	9478.20
Session Average	0.21	0.40	179.69	0.27	11.17	1.42	0.46	1.48	195.08	197.46

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 4.2: Westbound from Calbeck Road (East) to Calbeck Road (West)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	21	0	5	0	0	0	26	26.00
0715 - 0730	0	0	19	0	3	1	0	1	24	25.50
0730 - 0745	0	0	18	0	3	0	0	0	21	21.00
0745 - 0800	1	0	32	0	9	1	0	1	44	44.70
Hourly Total	1	0	90	0	20	2	0	2	115	117.20
Hourly Average	0.25	0.00	22.50	0.00	5.00	0.50	0.00	0.50	28.75	29.30
0800 - 0815	0	0	31	0	4	0	0	1	36	37.00
0815 - 0830	0	0	49	0	6	1	0	1	57	58.50
0830 - 0845	0	0	51	0	2	0	0	1	54	55.00
0845 - 0900	1	0	66	0	10	1	0	1	79	79.70
Hourly Total	1	0	197	0	22	2	0	4	226	230.20
Hourly Average	0.25	0.00	49.25	0.00	5.50	0.50	0.00	1.00	56.50	57.55
0900 - 0915	0	0	97	0	8	0	0	1	106	107.00
0915 - 0930	0	2	114	0	6	1	0	1	124	124.30
0930 - 0945	0	0	130	0	7	1	0	1	139	140.50
0945 - 1000	0	0	145	0	4	0	1	1	151	153.30
Hourly Total	0	2	486	0	25	2	1	4	520	525.10
Hourly Average	0.00	0.50	121.50	0.00	6.25	0.50	0.25	1.00	130.00	131.28
1000 - 1015	0	0	191	0	8	0	0	1	200	201.00
1015 - 1030	0	0	192	0	9	1	0	1	203	204.50
1030 - 1045	0	0	187	0	7	0	0	1	195	196.00
1045 - 1100	1	0	180	0	9	1	0	1	192	192.70
Hourly Total	1	0	750	0	33	2	0	4	790	794.20
Hourly Average	0.25	0.00	187.50	0.00	8.25	0.50	0.00	1.00	197.50	198.55
1100 - 1115	1	0	226	0	3	1	0	1	232	232.70
1115 - 1130	0	0	228	0	7	0	0	1	236	237.00
1130 - 1145	0	0	217	1	7	0	0	1	226	227.00
1145 - 1200	0	1	241	0	7	0	0	1	250	250.40
Hourly Total	1	1	912	1	24	1	0	4	944	947.10
Hourly Average	0.25	0.25	228.00	0.25	6.00	0.25	0.00	1.00	236.00	236.78
1200 - 1215	0	0	239	0	9	1	1	1	251	253.80
1215 - 1230	0	1	269	0	4	1	0	1	276	276.90
1230 - 1245	0	0	226	1	9	0	0	0	236	236.00
1245 - 1300	0	0	291	0	5	0	0	2	298	300.00
Hourly Total	0	1	1025	1	27	2	1	4	1061	1066.70
Hourly Average	0.00	0.25	256.25	0.25	6.75	0.50	0.25	1.00	265.25	266.68
1300 - 1315	0	0	268	0	5	0	0	1	274	275.00
1315 - 1330	0	0	292	0	10	0	0	0	302	302.00
1330 - 1345	0	0	258	0	8	0	0	2	268	270.00
1345 - 1400	0	0	248	0	6	0	0	1	255	256.00
Hourly Total	0	0	1066	0	29	0	0	4	1099	1103.00
Hourly Average	0.00	0.00	266.50	0.00	7.25	0.00	0.00	1.00	274.75	275.75
1400 - 1415	0	0	261	1	8	0	0	1	271	272.00
1415 - 1430	0	0	277	0	7	0	1	0	285	286.30
1430 - 1445	0	0	261	0	8	0	0	1	270	271.00
1445 - 1500	1	1	251	0	6	0	0	1	260	259.60
Hourly Total	1	1	1050	1	29	0	1	3	1086	1088.90
Hourly Average	0.25	0.25	262.50	0.25	7.25	0.00	0.25	0.75	271.50	272.23
1500 - 1515	0	1	260	0	3	0	0	2	266	267.40
1515 - 1530	0	0	280	0	3	0	0	1	284	285.00
1530 - 1545	0	2	285	0	3	0	0	1	291	290.80
1545 - 1600	0	0	268	1	3	1	0	0	273	273.50
Hourly Total	0	3	1093	1	12	1	0	4	1114	1116.70
Hourly Average	0.00	0.75	273.25	0.25	3.00	0.25	0.00	1.00	278.50	279.18
1600 - 1615	0	0	240	1	3	0	0	2	246	248.00
1615 - 1630	0	0	271	0	7	0	0	1	279	280.00
1630 - 1645	0	0	253	1	6	0	0	1	261	262.00
1645 - 1700	0	0	266	0	2	0	1	0	269	270.30
Hourly Total	0	0	1030	2	18	0	1	4	1055	1060.30
Hourly Average	0.00	0.00	257.50	0.50	4.50	0.00	0.25	1.00	263.75	265.08
1700 - 1715	0	0	279	0	4	0	0	2	285	287.00
1715 - 1730	1	0	245	0	2	1	0	1	250	250.70
1730 - 1745	0	0	252	0	4	1	0	1	258	259.50
1745 - 1800	0	0	237	0	3	0	0	1	241	242.00
Hourly Total	1	0	1013	0	13	2	0	5	1034	1039.20
Hourly Average	0.25	0.00	253.25	0.00	3.25	0.50	0.00	1.25	258.50	259.80
1800 - 1815	0	1	222	0	7	0	0	1	231	231.40
1815 - 1830	0	2	209	0	10	0	0	1	222	221.80
1830 - 1845	1	1	192	0	9	0	1	1	205	205.90
1845 - 1900	0	0	128	0	4	0	0	1	133	134.00
Hourly Total	1	4	751	0	30	0	1	4	791	793.10
Hourly Average	0.25	1.00	187.75	0.00	7.50	0.00	0.25	1.00	197.75	198.28
Session Total	7	12	9463	6	282	14	5	46	9835	9881.70
Session Average	0.15	0.25	197.15	0.13	5.88	0.29	0.10	0.96	204.90	205.87

617-18 Bromborough  
Classified Junction Count

Site 4 of 6  
Caldbeck Road (East)  
Thursby Road  
Caldbeck Road (West)

Lat/Long  
lat 53.337553° lon -2.976757°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 4.3: Left from Thursby Road to Caldbeck Road (West)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	1	0	6	0	0	0	0	0	7	6.20
0715 - 0730	0	0	1	0	0	0	0	0	1	1.00
0730 - 0745	0	0	1	0	0	0	0	0	1	1.00
0745 - 0800	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	1	0	12	0	0	0	0	0	13	12.20
Hourly Average	0.25	0.00	3.00	0.00	0.00	0.00	0.00	0.00	3.25	3.05
0800 - 0815	0	0	4	0	0	0	0	0	4	4.00
0815 - 0830	0	0	4	0	0	0	0	0	4	4.00
0830 - 0845	0	0	9	0	0	0	0	0	9	9.00
0845 - 0900	0	0	3	0	0	0	0	0	3	3.00
Hourly Total	0	0	20	0	0	0	0	0	20	20.00
Hourly Average	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	5.00	5.00
0900 - 0915	0	0	7	0	0	0	0	0	7	7.00
0915 - 0930	0	0	2	0	0	0	0	0	2	2.00
0930 - 0945	1	0	3	0	0	0	0	0	4	3.20
0945 - 1000	0	0	9	0	0	0	0	0	9	9.00
Hourly Total	1	0	21	0	0	0	0	0	22	21.20
Hourly Average	0.25	0.00	5.25	0.00	0.00	0.00	0.00	0.00	5.50	5.30
1000 - 1015	0	0	6	0	0	0	0	0	6	6.00
1015 - 1030	0	0	8	0	0	0	0	0	8	8.00
1030 - 1045	0	0	10	0	0	0	0	0	10	10.00
1045 - 1100	0	0	11	0	0	0	0	0	11	11.00
Hourly Total	0	0	35	0	0	0	0	0	35	35.00
Hourly Average	0.00	0.00	8.75	0.00	0.00	0.00	0.00	0.00	8.75	8.75
1100 - 1115	0	0	7	0	0	0	0	0	7	7.00
1115 - 1130	0	0	10	0	0	0	0	0	10	10.00
1130 - 1145	0	0	7	0	0	0	0	0	7	7.00
1145 - 1200	0	0	12	0	0	0	0	0	12	12.00
Hourly Total	0	0	36	0	0	0	0	0	36	36.00
Hourly Average	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	9.00	9.00
1200 - 1215	0	0	15	0	0	0	0	0	15	15.00
1215 - 1230	0	0	10	0	0	0	0	0	10	10.00
1230 - 1245	0	0	20	0	0	0	0	0	20	20.00
1245 - 1300	0	0	19	0	0	0	0	0	19	19.00
Hourly Total	0	0	64	0	0	0	0	0	64	64.00
Hourly Average	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	16.00	16.00
1300 - 1315	0	0	24	0	0	0	0	0	24	24.00
1315 - 1330	0	0	14	0	0	0	0	0	14	14.00
1330 - 1345	0	0	15	0	0	0	0	0	15	15.00
1345 - 1400	0	0	7	0	0	0	0	0	7	7.00
Hourly Total	0	0	60	0	0	0	0	0	60	60.00
Hourly Average	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00
1400 - 1415	0	0	8	0	0	0	0	0	8	8.00
1415 - 1430	0	0	10	0	0	0	0	0	10	10.00
1430 - 1445	0	0	7	0	0	0	0	0	7	7.00
1445 - 1500	0	0	4	0	0	0	0	0	4	4.00
Hourly Total	0	0	29	0	0	0	0	0	29	29.00
Hourly Average	0.00	0.00	7.25	0.00	0.00	0.00	0.00	0.00	7.25	7.25
1500 - 1515	0	0	19	0	0	0	0	0	19	19.00
1515 - 1530	0	0	4	0	0	0	0	0	4	4.00
1530 - 1545	0	0	6	0	0	0	0	0	6	6.00
1545 - 1600	0	0	11	0	0	0	0	0	11	11.00
Hourly Total	0	0	40	0	0	0	0	0	40	40.00
Hourly Average	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	10.00	10.00
1600 - 1615	0	0	12	0	0	0	0	0	12	12.00
1615 - 1630	0	0	13	0	0	0	0	0	13	13.00
1630 - 1645	0	0	28	0	0	0	0	0	28	28.00
1645 - 1700	0	0	21	0	0	0	0	0	21	21.00
Hourly Total	0	0	74	0	0	0	0	0	74	74.00
Hourly Average	0.00	0.00	18.50	0.00	0.00	0.00	0.00	0.00	18.50	18.50
1700 - 1715	0	0	47	0	0	0	0	0	47	47.00
1715 - 1730	0	0	22	0	0	0	0	0	22	22.00
1730 - 1745	1	0	13	0	0	0	0	0	14	13.20
1745 - 1800	0	0	9	0	0	0	0	0	9	9.00
Hourly Total	1	0	91	0	0	0	0	0	92	91.20
Hourly Average	0.25	0.00	22.75	0.00	0.00	0.00	0.00	0.00	23.00	22.80
1800 - 1815	0	0	13	0	0	0	0	0	13	13.00
1815 - 1830	0	0	1	0	0	0	0	0	1	1.00
1830 - 1845	1	0	3	0	0	0	0	0	4	3.20
1845 - 1900	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	1	0	19	0	0	0	0	0	20	19.20
Hourly Average	0.25	0.00	4.75	0.00	0.00	0.00	0.00	0.00	5.00	4.80
Session Total	4	0	501	0	0	0	0	0	505	501.80
Session Average	0.08	0.00	10.44	0.00	0.00	0.00	0.00	0.00	10.52	10.45

Date  
Saturday 06 October 2018

Weather  
light rain  
Temp: 16°C

0700 - 1900 (Saturday 12 hour session)

TIME	Movement 4.3: Left from Thursby Road to Caldbeck Road (West)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	2	0	10	0	0	0	0	0	12	10.40
0715 - 0730	0	0	0	0	0	0	0	0	0	0.00
0730 - 0745	0	0	0	0	1	0	0	0	1	1.00
0745 - 0800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	2	0	11	0	1	0	0	0	14	12.40
Hourly Average	0.50	0.00	2.75	0.00	0.25	0.00	0.00	0.00	3.50	3.10
0800 - 0815	0	0	0	0	3	0	0	0	3	3.00
0815 - 0830	0	0	0	0	4	1	0	0	5	5.50
0830 - 0845	0	0	2	0	3	1	0	0	6	6.50
0845 - 0900	0	0	1	0	3	0	0	0	4	4.00
Hourly Total	0	0	3	0	13	2	0	0	18	19.00
Hourly Average	0.00	0.00	0.75	0.00	3.25	0.50	0.00	0.00	4.50	4.75
0900 - 0915	0	0	4	0	2	1	0	0	7	7.50
0915 - 0930	0	0	5	0	0	0	0	0	5	5.00
0930 - 0945	0	0	4	0	2	0	0	0	6	6.00
0945 - 1000	0	0	2	0	1	1	0	0	4	4.50
Hourly Total	0	0	15	0	5	2	0	0	22	23.00
Hourly Average	0.00	0.00	3.75	0.00	1.25	0.50	0.00	0.00	5.50	5.75
1000 - 1015	0	0	5	0	4	0	0	0	9	9.00
1015 - 1030	0	0	5	0	3	0	0	0	8	8.00
1030 - 1045	0	0	1	0	5	0	0	0	6	6.00
1045 - 1100	0	0	3	0	1	0	0	0	4	4.00
Hourly Total	0	0	14	0	13	0	0	0	27	27.00
Hourly Average	0.00	0.00	3.50	0.00	3.25	0.00	0.00	0.00	6.75	6.75
1100 - 1115	0	1	7	0	3	0	0	0	11	10.40
1115 - 1130	1	0	5	0	2	0	0	0	8	7.20
1130 - 1145	0	0	3	0	3	0	0	0	6	6.00
1145 - 1200	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	1	1	17	0	9	0	0	0	28	26.60
Hourly Average	0.25	0.25	4.25	0.00	2.25	0.00	0.00	0.00	7.00	6.65
1200 - 1215	0	0	6	0	0	0	0	0	6	6.00
1215 - 1230	0	0	1	0	0	0	0	0	1	1.00
1230 - 1245	1	0	9	0	1	0	0	0	11	10.20
1245 - 1300	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	1	0	16	0	1	0	0	0	18	17.20
Hourly Average	0.25	0.00	4.00	0.00	0.25	0.00	0.00	0.00	4.50	4.30
1300 - 1315	0	0	2	0	0	0	0	0	2	2.00
1315 - 1330	0	0	4	0	0	0	0	0	4	4.00
1330 - 1345	0	0	1	0	1	0	0	0	2	2.00
1345 - 1400	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	8	0	1	0	0	0	9	9.00
Hourly Average	0.00	0.00	2.00	0.00	0.25	0.00	0.00	0.00	2.25	2.25
1400 - 1415	0	0	1	0	0	0	0	0	1	1.00
1415 - 1430	0	0	1	0	0	0	0	0	1	1.00
1430 - 1445	0	0	2	0	0	0	0	0	2	2.00
1445 - 1500	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	6	0	1	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.50	0.00	0.25	0.00	0.00	0.00	1.75	1.75
1500 - 1515	0	0	0	0	0	0	0	0	0	0.00
1515 - 1530	1	0	0	0	1	0	0	0	2	1.20
1530 - 1545	0	0	2	0	0	0	0	0	2	2.00
1545 - 1600	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	1	0	2	0	1	0	0	0	4	3.20
Hourly Average	0.25	0.00	0.50	0.00	0.25	0.00	0.00	0.00	1.00	0.80
1600 - 1615	0	0	5	0	0	0	0	0	5	5.00
1615 - 1630	0	0	2	0	0	0	0	0	2	2.00
1630 - 1645	0	0	2	0	1	0	0	0	3	3.00
1645 - 1700	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	9	0	1	0	0	0	10	10.00
Hourly Average	0.00	0.00	2.25	0.00	0.25	0.00	0.00	0.00	2.50	2.50
1700 - 1715	0	0	1	0	0	0	0	0	1	1.00
1715 - 1730	0	0	2	0	0	0	0	0	2	2.00
1730 - 1745	0	0	1	0	0	0	0	0	1	1.00
1745 - 1800	0	0	1	0	2	0	0	0	3	3.00
Hourly Total	0	0	5	0	2	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.25	0.00	0.50	0.00	0.00	0.00	1.75	1.75
1800 - 1815	0	0	1	0	0	0	0	0	1	1.00
1815 - 1830	0	0	0	0	0	0	0	0	0	0.00
1830 - 1845	0	0	0	0	0	0	0	0	0	0.00
1845 - 1900	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	1	0	0	0	0	0	1	1.00
Hourly Average	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25	0.25
Session Total	5	1	107	0	48	4	0	0	165	162.40
Session Average	0.10	0.02	2.23	0.00	1.00	0.08	0.00	0.00	3.44	3.38

617-18 Bromborough  
Classified Junction Count

Site 4 of 6  
Caldbeck Road (East)  
Thursby Road  
Caldbeck Road (West)

Lat/Long  
lat 53.337553° lon -2.976757°

Date  
Friday 05 October 2018

Weather  
sunny  
Temp: 17°C

0700 - 1900 (Friday 12 hour Session)

TIME	Movement 4.4: Right from Thursby Road to Caldbeck Road (East)								Original Data	
	P/CYCLE	M/CYCLE	CAR	TAXI	LGV	OGV1	OGV2	BUS/COACH	TOTAL	PCU TOTAL
0700 - 0715	0	0	1	0	0	0	0	0	1	1.00
0715 - 0730	0	0	0	0	0	0	0	0	0	0.00
0730 - 0745	0	0	2	0	0	0	0	0	2	2.00
0745 - 0800	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	4	0	0	0	0	0	4	4.00
Hourly Average	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
0800 - 0815	0	0	0	0	1	0	0	0	1	1.00
0815 - 0830	0	0	0	0	1	1	0	0	2	2.50
0830 - 0845	0	0	0	0	0	0	0	0	0	0.00
0845 - 0900	0	0	0	0	0	0	1	0	1	2.30
Hourly Total	0	0	0	0	2	1	1	0	4	5.80
Hourly Average	0.00	0.00	0.00	0.00	0.50	0.25	0.25	0.00	1.00	1.45
0900 - 0915	0	0	2	0	1	2	0	0	5	6.00
0915 - 0930	0	0	1	0	1	0	0	0	2	2.00
0930 - 0945	0	0	0	0	1	0	0	0	1	1.00
0945 - 1000	0	0	1	0	2	0	1	0	4	5.30
Hourly Total	0	0	4	0	5	2	1	0	12	14.30
Hourly Average	0.00	0.00	1.00	0.00	1.25	0.50	0.25	0.00	3.00	3.58
1000 - 1015	0	0	0	0	0	0	0	0	0	0.00
1015 - 1030	0	0	1	0	0	0	1	0	2	3.30
1030 - 1045	0	0	1	0	0	0	0	0	1	1.00
1045 - 1100	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	2	0	0	0	1	0	3	4.30
Hourly Average	0.00	0.00	0.50	0.00	0.00	0.00	0.25	0.00	0.75	1.08
1100 - 1115	0	0	1	0	0	0	0	0	1	1.00
1115 - 1130	0	0	0	0	1	0	0	0	1	1.00
1130 - 1145	0	0	0	0	2	0	0	0	2	2.00
1145 - 1200	0	0	2	0	1	0	0	0	3	3.00
Hourly Total	0	0	3	0	4	0	0	0	7	7.00
Hourly Average	0.00	0.00	0.75	0.00	1.00	0.00	0.00	0.00	1.75	1.75
1200 - 1215	0	0	3	0	1	1	0	0	5	5.50
1215 - 1230	0	0	3	0	1	0	0	0	4	4.00
1230 - 1245	0	0	0	0	1	0	0	0	1	1.00
1245 - 1300	0	0	2	0	2	0	0	0	4	4.00
Hourly Total	0	0	8	0	5	1	0	0	14	14.50
Hourly Average	0.00	0.00	2.00	0.00	1.25	0.25	0.00	0.00	3.50	3.63
1300 - 1315	0	0	4	0	0	0	0	0	4	4.00
1315 - 1330	0	0	0	0	0	0	0	0	0	0.00
1330 - 1345	0	0	1	0	1	0	0	0	2	2.00
1345 - 1400	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	6	0	1	0	0	0	7	7.00
Hourly Average	0.00	0.00	1.50	0.00	0.25	0.00	0.00	0.00	1.75	1.75
1400 - 1415	0	0	0	0	1	0	0	0	1	1.00
1415 - 1430	0	0	0	0	0	1	0	0	1	1.50
1430 - 1445	0	0	1	0	2	0	0	0	3	3.00
1445 - 1500	0	0	0	0	0	0	1	0	1	2.30
Hourly Total	0	0	1	0	3	1	1	0	6	7.80
Hourly Average	0.00	0.00	0.25	0.00	0.75	0.25	0.25	0.00	1.50	1.95
1500 - 1515	0	0	0	0	0	1	0	0	1	1.50
1515 - 1530	0	0	0	0	0	0	0	0	0	0.00
1530 - 1545	0	0	0	0	0	0	0	0	0	0.00
1545 - 1600	0	0	1	0	0	0	0	0	1	1.00
Hourly Total	0	0	1	0	0	1	0	0	2	2.50
Hourly Average	0.00	0.00	0.25	0.00	0.00	0.25	0.00	0.00	0.50	0.63
1600 - 1615	0	0	0	0	0	1	0	0	1	1.50
1615 - 1630	0	0	1	0	0	0	0	0	1	1.00
1630 - 1645	0	0	1	0	0	0	0	0	1	1.00
1645 - 1700	0	0	2	0	0	0	0	0	2	2.00
Hourly Total	0	0	4	0	0	1	0	0	5	5.50
Hourly Average	0.00	0.00	1.00	0.00	0.00	0.25	0.00	0.00	1.25	1.38
1700 - 1715	0	0	1	0	0	0	0	0	1	1.00
1715 - 1730	0	0	0	0	0	0	0	0	0	0.00
1730 - 1745	0	0	0	0	0	0	0	0	0	0.00
1745 - 1800	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	1	0	0	0	0	0	1	1.00
Hourly Average	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25	0.25
1800 - 1815	0	0	1	0	0	0	0	0	1	1.00
1815 - 1830	0	0	0	0	0	0	0	0	0	0.00
1830 - 1845	0	0	0	0	0	0	0	0	0	0.00
1845 - 1900	0	0	0	0	0	0	0	0	0	0.00
Hourly Total	0	0	1	0	0	0	0	0	1	1.00
Hourly Average	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25	0.25
Session Total	0	0	35	0	20	7	4	0	66	74.70
Session Average	0.00	0.00	0.73	0.00	0.42	0.15	0.08	0.00	1.38	1.56