# **APPENDIX J**

**Draft Travel Plan** 



# **Land Improvements**

Land to the north east of King George V Playing Fields,

Cuffley

**Framework Travel Plan** 

**June 2015** 



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## **EXECUTIVE SUMMARY**

Vectos have been appointed by Land Improvements to provide advice on traffic and transportation issues relating to a proposed residential development located at Land to the north east of King George V Playing Fields.

The site is located to the south of Cuffley and is currently in agricultural use. It is bound by existing residential development to the north, the grounds of Cuffley School to the south, a railway line to the east and the B156 Northaw Road (East) to the west.

The site is situated close to a variety of local facilities including education, retail, healthcare and recreation. The site has good links to public transport and two bus stops (eastbound and westbound) are located on Northaw Road East, approximately 60m and 100m from the site respectively. These provide an hourly service (Service number 242) between Waltham Cross and Potters Bar.

Cuffley Railway Station is located approximately 850m from the site which provides a frequent service between London and Hertford North. During the weekday AM and PM peak periods, there are circa 5 trains per hour to London, with a journey time of less than 30 minutes.

The planning application seeks permission for a residential development of up to 121 dwellings and associated infrastructure on the land to the north east of the King George V Playing Fields.

This report sets out a Framework Travel Plan (FTP) for the proposed residential development. It provides an over-arching framework which will drive the production of the Full Travel Plan, once the site becomes occupied. It has been prepared in consultation with guidance from HCC and with the National Planning Practice Guidance (NPPG).

The objectives of this Travel Plan are to:

- Increase resident awareness of the advantages and availability of sustainable modes of transport over the car;
- Introduce a package of measures that will facilitate resident travel by sustainable modes; and therefore,
- Limit unnecessary or unsustainable use of the car for journeys to and from the site by residents.

The Action Targets for this Framework Travel Plan are:



- To appoint a Travel Plan Coordinator (see Travel Plan Strategy, Section 5)
- To coordinate baseline travel surveys (see Monitoring and Review, Section 7)

The Aim Targets for this Framework Travel Plan are to reduce single occupancy vehicle use by 5% and in turn, increase the modal share of sustainable travel modes such as public transport, walking and cycling by 5%.

In the absence of actual data, the modal share targets for the site have been derived using Census 2011 Journey to Work data for the Cuffley and Northaw Ward. Subsequently, an initial survey of travel patterns will be carried out and this will be undertaken once the Site is occupied. Occupation is defined as when 75% of the residential units are occupied. The exact nature of the survey will be discussed and agreed in advance with Hertfordshire County Council and the Travel Plan Coordinator (TPC) will be responsible for ensuring a 50% response rate.

The TPC is a part time role and they will be appointed by the site management company to manage the day to day running of the Travel Plan. The TPC role, the Travel Plan and its accompanying measures and initiatives will be funded by the developer throughout the five year period. The contact details for the TPC will be provided to HCC upon their appointment and prior to the occupation of the site

The developer will also provide £50 per flat and £100 per house for sustainable travel incentives, in line with HCC guidance and a Travel Plan Monitoring Contribution, to support the assessment and monitoring of the Plan.

A number of initiatives will be implemented as part of the Travel Plan, including awareness measures, such as the promotion of health benefits associated with walking and cycling and information measures, such as the provision of travel packs for residents.

Each year, a Review Report will be prepared by the TPC, outlining the progress of the Travel Plan and its initiatives, as well as an assessment of the survey results and any updates to the targets and initiatives that may subsequently be required. If targets are not being delivered, then the Travel Plan measures will be adjusted or added to, instead of simply revising down the target.

After five years, the TPC responsibilities will be passed on to the Residents Association to continue monitoring and management once the scheme is running effectively.



## 1 INTRODUCTION

## Background

- 1.1 Vectos have been appointed by Land Improvements to provide advice on traffic and transportation issues relating to a proposed residential development located at Land to the north east of King George V Playing Fields, Cuffley.
- 1.2 The planning application seeks permission for a residential development of up to 121 dwellings and associated infrastructure on the land to the north east of the King George V Playing Fields. All matters reserved except for new vehicular and pedestrian accesses to serve the Site and existing playing fields, the provision of a surface water discharge point and the levels of the development platforms.
- 1.3 This report sets out a Framework Travel Plan (FTP) for the proposed residential development. It provides an over-arching framework which will drive the production of the Full Travel Plan, once the site becomes occupied.
- 1.4 This Travel Plan has been prepared in consultation with guidance from HCC and with the National Planning Practice Guidance (NPPG) document.

## **Policy Context**

#### **National Policy**

#### National Planning Policy Framework (NPPF)

- 1.5 The National Planning Policy Framework (NPPF) sets out the Government's planning policies for England and how these are expected to be applied.
- 1.6 Section 4 of the NPPF deals with 'Promoting sustainable transport.' Paragraph 29 states that:
  - "The transport system needs to be balanced in favour of sustainable transport modes, giving people a real choice about how they travel."
- 1.7 Paragraph 30 goes on to state that "Encouragement should be given to solutions which support reductions in greenhouse gas emissions and reduce congestion"



1.8 Paragraph 36 makes reference the importance of Travel Plans, stating that they are a "key tool" in the promotion of sustainable travel. "All developments which generate significant amounts of movement should be required to provide a Travel Plan".

#### National Planning Practice Guidance (NPPG) 2014

- 1.1 On 6 March 2014, the Department for Communities and Local Government (DCLG) launched the National Planning Practice Guidance web-based resource. One section relates specifically to Transport and is titled 'Travel Plans, Transport Assessments and Statements in decisiontaking' and this provides the overarching principles of Travel Plans, Transport Assessments and Statements.
- 1.2 The guidance also states that Travel Plans are "long term management strategies for integrating proposals for sustainable travel into the planning process". They should be brought forward in parallel with development proposals and should be integrated in to the design of developments.
- 1.3 The guidance explains that when preparing Transport Assessments and Travel Plans the following key principles should be taken into account:
  - "proportionate to the size and scope of the proposed development to which they relate and build on existing information wherever possible;
  - 2. established at the earliest practicable possible stage of a development proposal;
  - 3. be tailored to particular local circumstances (other locally-determined factors and information beyond those which are set out in this guidance may need to be considered in these studies provided there is robust evidence for doing so locally);
  - 4. be brought forward through collaborative ongoing working between the Local Planning Authority/ Transport Authority, transport operators. Engaging communities and local businesses in Travel Plans, Transport Assessments and Statements can be beneficial in positively supporting higher levels of walking and cycling (which in turn can encourage greater social inclusion, community cohesion and healthier communities)."
- 1.4 The guidance demonstrates that Transport Assessments and Statements and Travel Plans can positively contribute in the following ways:



- "encouraging sustainable travel;
- lessening traffic generation and its detrimental impacts;
- reducing carbon emissions and climate impacts;
- creating accessible, connected, inclusive communities;
- improving health outcomes and quality of life;
- improving road safety; and
- reducing the need for new development to increase existing road capacity or provide new roads."

## **Local Policy**

#### Hertfordshire Local Transport Plan

- 1.5 The Local Transport Plan (LTP) 3, produced by Hertfordshire County Council for the period of 2011 until 3031, was released in April 2011. The LTP is a plan aimed at tackling the implications of transport within the county primarily focusing on tackling congestion, providing safe and accessible transportation routes and providing a high quality for the counties residents.
- 1.6 The council's vision for the local area is:

"To provide a safe, efficient and resilient transport system that serves the needs of business and residents across Hertfordshire and minimises its impact on the environment."

- 1.7 There are five key goals established within the LTP aimed at supporting this vision. These are:
  - 5. "Support economic development and planned dwelling growth
  - 6. Improve transport opportunities for all and achieve behavioural change in mode choice
  - 7. Enhance quality of life, health and the natural, built and historic environment for all Hertfordshire residents
  - 8. Improve the safety and security of residents and other road users
  - Reduce transport's contribution to greenhouse gas emissions and improve its resilience".
- 1.8 For challenge 2 the LTP states:

"Increasing the number of journeys by sustainable modes has been a long running aim but the new LTP looks to increase the promotion of these modes to ensure that health as well as



transport benefits are fully appreciated. If people change their behaviour to walk and cycle for more short journeys and to use buses and other modes, such as car sharing, traffic growth, particularly in peak periods, can be reduced.

Emphasis will therefore be on publicity and promotional work, for schools and businesses, with support for travel planning for organisations and individuals. Provision of information and improvements to facilities for sustainable modes forms the other part of this strategy"

- 1.9 Transport Policy designed as part of the LTP includes a policy on Travel Planning and Changing Travel Behaviour. It addresses Challenge 2.2 'achieve behavioural change' and Challenge 3.1 'improve journey experience.' The policy notes the importance of promotion and the provision of information to increase the volume of trips made by sustainable modes.
- 1.10 The policy states that "Travel Plans are a key management tool" and that the county will encourage the widespread adoption of Travel Planning through "seeking the development, implementation and monitoring of travel plans as part of the planning process for new developments."

## **Travel Plan Scope**

- 1.11 This Travel Plan has been written as a stand-alone document. Once further information becomes available it will contain all the relevant information needed to effectively implement and monitor the Travel Plan itself.
- 1.12 The remainder of this document is structured as follows:
  - Section 2 Outlines the site location and accessibility by non-car modes;
  - Section 3 Outlines the Baseline Travel Patterns for residents and employees of the site, based on 2011 census data;
  - Section 4 Sets out the objectives and targets of the Framework Travel Plan;
  - Section 5 Outlines the Framework Travel Plan strategy including how it will be managed;
  - Section 6 Sets out the measures that will be implemented to help achieve the objectives and targets of the Framework Travel Plan;



Section 7 - Outlines the monitoring and review programme which will ensure the Framework Travel Plan continues to develop;

Section 8 - Sets out an Action Plan for the site.



## 2 SITE LOCATION AND ACCESSIBILITY BY NON-CAR MODES

#### **Site Location**

- 2.1 The Site is located to the south of Cuffley and is currently in agricultural use. It is bound by existing residential development to the north and north-west and the grounds of Cuffley Primary School also adjoin the Site along its northern boundary. The site location is shown at Figure 2.1.
- 2.2 The railway line and Northaw Road East (B156) form the eastern and western boundaries respectively. The southern boundary is defined by a mature hedgerow and tree belt lining the Hertfordshire Way footpath.

#### **Local Facilities**

- 2.3 Although located on the edge of the town, the site is situated close to a variety of local facilities. The site's proximity to key facilities such as education, retail, healthcare and recreation is key to maintaining a sustainable development.
- 2.4 A plan indicating the location of the site in relation to local facilities is presented at **Figure 2.2**.

## **Public Transport**

## **Bus Provision**

- 2.5 Bus stops are located on both the eastbound and westbound sides of Northaw Road East; approximately 60m and 100m respectively from the Site. From these stops there is one service with an hourly frequency during the week and a weekly service that runs only on Wednesday morning.
- 2.6 Service number 242 runs hourly between Waltham Cross and Potters Bar. The Sunday service is extended as far as Waltham Cross to Welwyn Garden City.

#### **Rail Provision**

2.7 Cuffley Railway station is located approximately 850m from the Site. Cuffley is situated on the Great Northern service that runs a frequent service between London and Hertford North.



The station provides a link to London with a journey time of less than 30mins to and from Finsbury Park station. During the weekday AM and PM peak periods there are circa 5 trains per hour to London.

## **Pedestrian and Cyclist Facilities**

#### **Pedestrians**

- 2.8 It is reasonable to expect that typical able bodied people are capable of walking at least 2km for day to day activities. The thrust of sustainable policy is that there will be an increasing propensity for people to use non-single occupancy vehicle modes of which walking is one. People will choose their mode based upon their journey purpose and it is reasonable to conclude that residents will choose to walk for a fair proportion of their journey.
- 2.9 A 2 km walk isochrone is included within this report as **Figure 2.3.** This figure demonstrates that a number of services and facilities can be accessed within this distance, including centre of Cuffley and Cuffley railway station.
- 2.10 Facilities for pedestrians within the vicinity of the site are considered to be adequate, therefore encouraging future residents to access local facilities, as shown in Figure 2.3, on foot. Figure 2.4 shows the Public Rights of Way provided.
- 2.11 It can be observed from Figure 2.4 that a public footpath (PRoW 6) extends along the southern boundary of the site. There is a further footpath to the south west of the site; this is also a recreational footpath and continues further west.
- 2.12 Northaw Road East provides a footpath running along its southern edge; this is well lit and well surfaced, and creates a safe footway for pedestrians travelling towards the centre of Cuffley.

#### **Cyclists**

- 2.13 Central Government research states that cycling has the potential to substitute for short car trips, particularly those under 5km, and to form part of a longer journey by public transport.
- 2.14 Cycling is an attractive form of travel and it is reasonable to expect that for typical able bodied people a cycle distance of 5km is readily achievable and attractive. The propensity



for people to choose to cycle will depend on journey purpose and individual ethos as well as having a safe place to store their bicycle at the end of their journey.

2.15 A 5km cycle isochrone is included within this report as **Figure 2.5**, which shows the whole of the village is within 5km.



## 3 BASELINE TRAVEL PATTERNS

- 3.1 This section will set out the baseline modal split for Land to the north east of King George V Playing Fields, Cuffley, which will be used as platform for setting future targets in this Framework Travel Plan.
- 3.2 In the interim, Census 2011 Journey to Work data has been used to give an indication of expected modal split for residents. These are set out in **Table 3.1** below.

Table 3.1 – Resident Modal Split for Cuffley & Northaw Ward

| Travel Mode                   | Percentage<br>Modal Share |  |
|-------------------------------|---------------------------|--|
| Car Driver                    | 69%                       |  |
| Car Passenger                 | 3%                        |  |
| Rail/ Light Rail/ Underground | 21%                       |  |
| Bus                           | 1%                        |  |
| Taxi                          | 1%                        |  |
| Motorcycle                    | 1%                        |  |
| Walk                          | 3%                        |  |
| Cycle                         | 1%                        |  |
| TOTAL                         | 100%                      |  |

- 3.3 Subsequently, an initial survey of travel patterns will be carried out and this will be undertaken once the Site is occupied. Occupation is defined as when 75% of the residential units are occupied. The exact nature of the survey will be discussed and agreed in advance with Hertfordshire County Council.
- 3.4 The survey will provide baseline information on modal split for the Site. It is anticipated that the travel behaviour will be established early on in the life of the development; however, the baseline data will be a useful guide in the setting of realistic targets for modal shift over the life of the development.
- 3.5 Prior to the occupation of the site, the modal share shown above in Table 3.1 will be used to derive interim Travel Plan targets. If, after the baseline travel surveys have been carried out it is found that the expected modal share is not accurate, the targets will be adjusted to reflect the actual modal share.



## 4 OBJECTIVES AND TARGETS

- 4.1 This chapter sets out the overarching objectives for the Framework Travel Plan, as well as targets for the short and medium term. It includes indicators through which progress towards meeting the targets will be measured. Further information on monitoring and review of the Travel Plan can be found in **Chapter 7**.
  - Objectives are the high-level aims of the Travel Plan. They help to give the Travel
     Plan direction and provide a clear focus.
  - Targets are the measurable goals by which progress will be assessed. The Travel
     Plan sets out targets which the store will seek to reach within the period covered
     by this Travel Plan. In addition, interim targets have been set.

## **Objectives**

- 4.2 The objectives of this Travel Plan are two-fold. Firstly to increase awareness of sustainable travel modes available to residents and secondly to reduce the dependence of residents on travel by car to and from the development. Therefore, more specifically, the objectives of this Travel Plan are to:
  - Increase resident awareness of the advantages and availability of sustainable modes of transport over the car;
  - Introduce a package of measures that will facilitate resident travel by sustainable modes; and therefore,
  - Limit unnecessary or unsustainable use of the car for journeys to and from the site by residents.

## **Targets**

- 4.3 Travel Plan targets are measurable goals by which progress can be assessed. These targets should be reviewed through a programme of monitoring (outlined in Chapter 7) to ensure they remain SMART (Specific, Measurable, Achievable Realistic and Timed).
- 4.4 Targets come in two forms Action Targets and Aim Targets:



- Action Targets are non-quantifiable actions that need to be achieved by a certain time.
- Aim Targets are quantifiable and in the case of this Travel Plan relate to the degree
  of modal shift the plan is seeking to achieve.

## **Action Targets**

- 4.5 The Action Targets for this Framework Travel Plan are:
  - To appoint a Travel Plan Coordinator (see Travel Plan Strategy, Section 5)
  - To coordinate baseline travel surveys (see Monitoring and Review, Section 7)

## **Aim Targets**

- 4.6 As described previously, a baseline residential travel survey will be undertaken upon reaching 75% occupation of the site and this will form the results of the Year 0 survey, representing all types of journeys to/ from the site.
- 4.7 The Travel Plan Coordinator will achieve a sufficient response to ensure the survey results can be considered as representative. Door knocking, offer of incentives, or other techniques could be used as required to increase the response rate.
- 4.8 The draft residential travel survey is presented at **Appendix C** for information.
- 4.9 Prior to the baseline survey being undertaken, the following targets have been derived using the assumed modal split for the development as set out in Section 3 above. **Table 4.1** below shows the target modal split for the development once the Travel Plan has been implemented.



Table 4.1 – Assumed Development Modal Split and Post Travel Plan Implementation Target Split

| Mode                            | Modal Split<br>(Census Data) | Modal Split Interim and Final Year Targets |        |        |
|---------------------------------|------------------------------|--|--------|--------|
| Mode                            |                              | Year 1                                     | Year 3 | Year 5 |
| Car Driver                      | 69%                          | 67%  | 65%    | 64%    |
| Sustainable Transport<br>Modes* | 26%                          | 28%  | 30%    | 31%    |

<sup>\*</sup>Includes Public transport, walking and cycling

- 4.10 The primary purpose of the Travel Plan is to limit unnecessary or unsustainable car journeys (particularly those with single occupants) to and from the development. The aim is to reduce single occupancy vehicle journeys and transfer these trips to a sustainable mode of travel, whether that be public transport, walking or cycling. Where it is not possible for residents to use these modes of travel, car sharing will be encouraged as an alternative.
- 4.11 If the subsequent baseline travel survey shows that the Census data modal split is not accurate the targets will be amended to take into account the surveyed modal split. Targets will be finalised and written into the Travel Plan once the travel surveys have been completed, the results analysed and discussions have been held with the HCC Travel Plan Officer.



## 5 TRAVEL PLAN STRATEGY

## Management

- 5.1 Although all details of how the Site is to be managed are not known, it is expected that a single management company, or similar management entity, will be put in place to manage the Site.
- 5.2 Under this scenario, the Management Company will appoint a Travel Plan Coordinator (TPC) who will manage the day to day running of the Travel Plan. The contact details for the TPC will be provided to HCC upon their appointment and prior to the occupation of the site
- 5.3 The role of the TPC will be part time and will vary throughout the year in response to campaigns/ sustainable transport events/ monitoring surveys etc. taking place. The TPC will be allocated enough time to effectively manage and implement the Travel Plan as agreed.

## **Funding**

- 5.4 The Travel Plan, its accompanying measures and initiatives and the TPC role will be funded by the developer throughout the five year period. The developer will ensure that the TPC has sufficient funding to effectively implement the Plan.
- 5.5 In addition, current HCC guidance requests that developers provide for sustainable travel incentives to the value of £50 per flat and £100 per house. This can be used towards vouchers for cycle equipment or public transport tickets for example. This will be provided by the developer.
- A Travel Plan monitoring contribution of £6,000 will also be paid to HCC to support the assessment and monitoring of the Travel Plan.

## **TPC Responsibilities**

5.7 The TPC will be responsible for the administration of the Travel Plan, the implementation of measures, and for the on-going monitoring and review of the Travel Plan. They will have overall responsibility for ensuring that said measures are successfully delivered on time and to budget.



- 5.8 The TPC will report to the management company and other involved stakeholders such as residents associations (if applicable) and HCC, regarding the implementation and progression of the Travel Plan.
- 5.9 The formation of resident's associations will be encouraged by the TPC in order to understand their view and needs regarding sustainable travel, therefore enabling them to tailor the Travel Plan accordingly. The TPC will meet with said resident's groups on a semi-regular basis.
- 5.10 Administration of the Travel Plan will involve the maintenance of the necessary systems, data and paperwork, consultation and promotion associated with the implementation of the Travel Plan. Regular updating of the Travel Plan document is part of the responsibility of the nominated person.
- 5.11 A filing system will be established and maintained, for recording all correspondence relating to the Travel Plan, the results of periodic monitoring and the results of each review.



## **6** MEASURES AND INITIATIVES

#### Introduction

- 6.1 This section of the Framework Travel Plan outlines the specific physical and management measures to be implemented as part of the Travel Plan. The implementation of the listed measures, which include awareness initiatives, is the core of the Travel Plan. A section outlining measures that are not specific to either element is also included.
- As described previously, the developer will provide for sustainable travel incentives to the value of £50 per flat and £100 per house. This can be used towards a variety of different initiatives such as those discussed below.

#### Measures

#### Walking

- 6.3 The TPC will report the results of the travel survey to the relevant HCC Officer and will liaise with that Officer to establish the potential for improvements to existing off-site facilities.
- 6.4 The TPC will also seek to ensure that pedestrian routes are appropriately maintained.
- 6.5 The TPC will promote the Health benefits of walking and explore the possibility of using such schemes as '10,000 steps a day campaign.'

#### Cycling

- 6.6 Parking in line with the relevant standards will be provided, the location of which is to be confirmed but will be located in secure and covered areas.
- 6.7 The TPC will report the results of the travel survey to the Cycling Officer of HCC and will liaise with the Officer to establish the potential for improvements to existing off-site facilities.
- 6.8 The TPC will also seek to ensure that cycle routes are appropriately maintained. This will be achieved through a regular dialogue with HCC.
- 6.9 Residents will be provided with information and advice concerning safe cycle routes to the site. The TPC will also seek to promote cycling events such as 'National Bike Week' to increase the profile and knowledge of potential cycle schemes.



6.10 The TPC will explore with local bicycle retailers the possibility of providing discounts on cycling equipment to residents of the development. The take up of this discount, if agreed, will be monitored.

## **Public Transport**

- 6.11 The possibility of discounted travel with local bus and rail operators will be explored by the TPC in order to provide an incentive for residents to use such modes and form a habitual use from the outset.
- 6.12 Up-to-date details of bus, train and taxi services, including route information and service frequencies, will be permanently on display in locations to be agreed. Details of National Rail, Traveline and Car Share websites and enquiry phone numbers will also be displayed.
- 6.13 The TPC will liaise with HCC to ensure that issues periodically raised by residents are considered, for example, extension of services in mornings and evenings where services could be perceived to be lacking.
- 6.14 Taxis have an important role in providing for resident trips, in particular when other modes of transport may not be available. The TPC will ensure that the contact details for a local taxi operator are available on site.

## Marketing Strategy

- 6.15 An essential element of the Travel Plan strategy, and one which largely determines its success, is the promotion of the Travel Plan. In order to promote and increase awareness of the Travel Plan, the following measures will be adopted:
  - Distribution of travel information packs to all future residents of the development.
     This will include maps, bus routes and frequencies and details of local amenities;
  - Display of key Travel Plan information on public notice boards, including posters and/ or leaflets;
  - Mail drops can be used to disseminate new information or promote events;
  - Arrange Q&A sessions and offer a personalised travel planning service if demand is identified;



- Promote national travel initiatives and organise site-wide events such as organised
   cycle rides and walking events
- Developer will arrange for the display and distribution of sustainable travel information at the marketing suite for the development and on the marketing website; and
- TPC will attend Residents' Meetings to promote the Travel Plan.
- 6.16 The communal notice boards, which will allow for continued promotion of the Travel Plan, will have a similar layout and content so that they become familiar and accessible to residents and visitors. The notice boards will contain up-to-date public transport information and information detailing walking and cycling opportunities. These will be updated by the TPC as and when new information becomes available.

#### Welcome Pack and Travel Information Provision

- 6.17 As described previously, new residents will be provided with a Welcome Pack containing information on public transport services close to the Site and other measures for encouraging use of non-car modes of travel. The same information will also be provided on communal noticeboards throughout the site.
- 6.18 The provision of information of alternatives to the car is an important aspect of residential Travel Plans. It is recommended that the packs contain the following information:
  - A summarised version of the Travel Plan document, that sets out the purpose and benefits etc;
  - Timetables and route maps for public transport, particularly buses;
  - Contact numbers and web details for the Traveline Journey Planner and National Rail Enquiries;
  - Local taxi company details;
  - Local Car Club information;
  - Cycling and walking maps for the local area;
  - Web details for any community travel sites and community forum sites; and
  - Web and other contact details for major retailers offering home shopping facilities.



- Contact details for Care Sharing schemes
- 6.19 Car sharing should be encouraged amongst residents of the Site. Details of schemes such as <a href="https://www.liftshare.com">www.liftshare.com</a> will be included in Welcome Packs and on notice boards. Sharing journeys to local employment sites or to rail stations should be encouraged as this will have a direct positive impact on traffic congestion and air quality levels as well as acting a good social networking opportunity.



## 7 MONITORING AND REVIEW

## **Monitoring**

- 7.1 The Travel Plan will be monitored for a period of five years, on an annual basis on the anniversary of the initial baseline survey. As described previously, the baseline travel survey will be undertaken when 75% of the residential units are occupied. The TPC will be responsible for ensuring the survey achieves a representative response rate.
- 7.2 The exact requirements for the monitoring and baseline surveys will be discussed with HCC. In line with HCC guidance, a Travel Plan monitoring contribution of £6,000 will be paid to support the assessment and monitoring of the Travel Plan prior to first occupation.
- 7.3 At the completion of this five year cycle the Travel Plan will be completely reviewed (detailed below).
- 7.4 Information gathered through the monitoring process will be recorded for input to the annual review (outlined below). The information will be made available to the HCC.

## Reporting

- 7.5 The TPC will compile an annual Review Report outlining the progress of the Travel Plan and its initiatives, as well as an assessment of the survey results and any updates to the targets and initiatives that may subsequently be required. If targets are not being delivered, then the Travel Plan measures will be adjusted or added to, instead of simply revising down the target.
- 7.6 It should be noted that any proposed changes to the Travel Plan, including targets and action plans will be discussed and agreed with the Travel Plan officers.
- 7.7 The report will also incorporate the results of on-going monitoring by the TPC such as cycle parking observations, the uptake of TPC travel planning sessions and any comments received from residents, throughout the preceding period. The report will be issued to HCC.
- 7.8 After five years, the TPC responsibilities will be passed on to the Residents Association to continue monitoring and management once the scheme is running effectively.



## 8 ACTION PLAN

| 8.1 | The Action Plan outlined below in <b>Table 8.1</b> sets out the measures included within the Travel |
|-----|---|
|     | Plan that are directed at influencing staff travel.   |



| Table 8.1: Action Plan      |   |                                     |  |  |  |
|-----------------------------|---|-------------------------------------|--|--|--|
| Action Type                 | Action  | Responsibility                      | Timeframe  | Notes  |  |
| Management                  | Appointment of Travel Plan Coordinators (TPC) | Site Management Company             | Three months prior to occupation   | This is preferable to be completed as soon as possible, as when the site is occupied the TPC will need to undertake baseline travel surveys when the site is 75% occupied.   |  |
| Baseline Travel<br>Patterns | Baseline travel survey                        | TPC                                 | Undertaken when 75% of the residential units are occupied                                    | Survey results will need to be reported back to Planning Authority so targets can be set. The baseline survey represents the Travel Plans Year 0 start point, i.e. the point of occupation. Occupation is defined as 75% occupancy of residential units. |  |
| Travel Plan                 | Finalisation of measures to be implemented    | TPC and Planning Authority officers | Within 3 months of the baseline survey.  | The measures should be agreed with the Local Planning Authority during the application process; however the baseline survey might reveal other possible measures to implement.   |  |
| Document Progression        | Target setting                                | TPC and HCC officers                | Within 3 months of the completion the baseline survey  | Targets will need to be agreed with HCC.   |  |
| 11051233011                 | Travel Plan document completion               | TPC                                 | Within 3 months of the completion of the baseline survey Revised at Year 3 after full review | This should be completed well before Travel Plan launch.   |  |
|                             | Monitoring of measures and initiative take-up | TPC                                 | On-going   | This will involve regular monitoring of cycle and motorcycle parking use, and uptake of other measures implemented.  |  |
| Monitoring, Review          | First snapshot/monitoring survey              | TPC                                 | At Year 1  | On the first anniversary of the completion of the baseline survey. This will be completed in-house   |  |
| & Reporting                 | Partial review and reporting 1                | TPC and HCC                         | Following Year 1 snapshot survey result analysis   | This will be a partial review focusing on revision of targets and measures where necessary.  |  |
|                             | Second<br>snapshot/monitoring<br>survey       | TPC                                 | At Year 3  | On the third anniversary of the completion of the baseline survey.   |  |

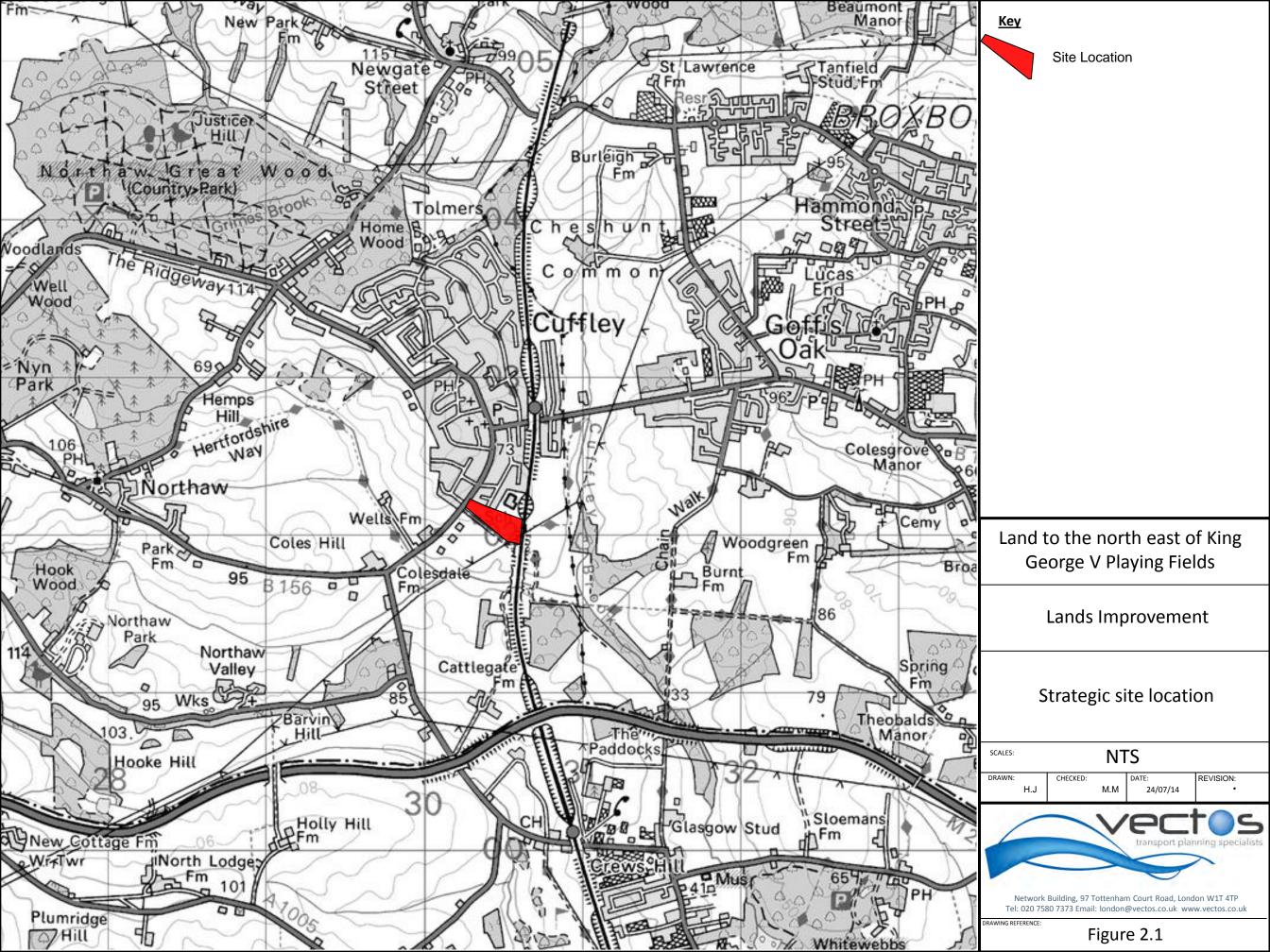


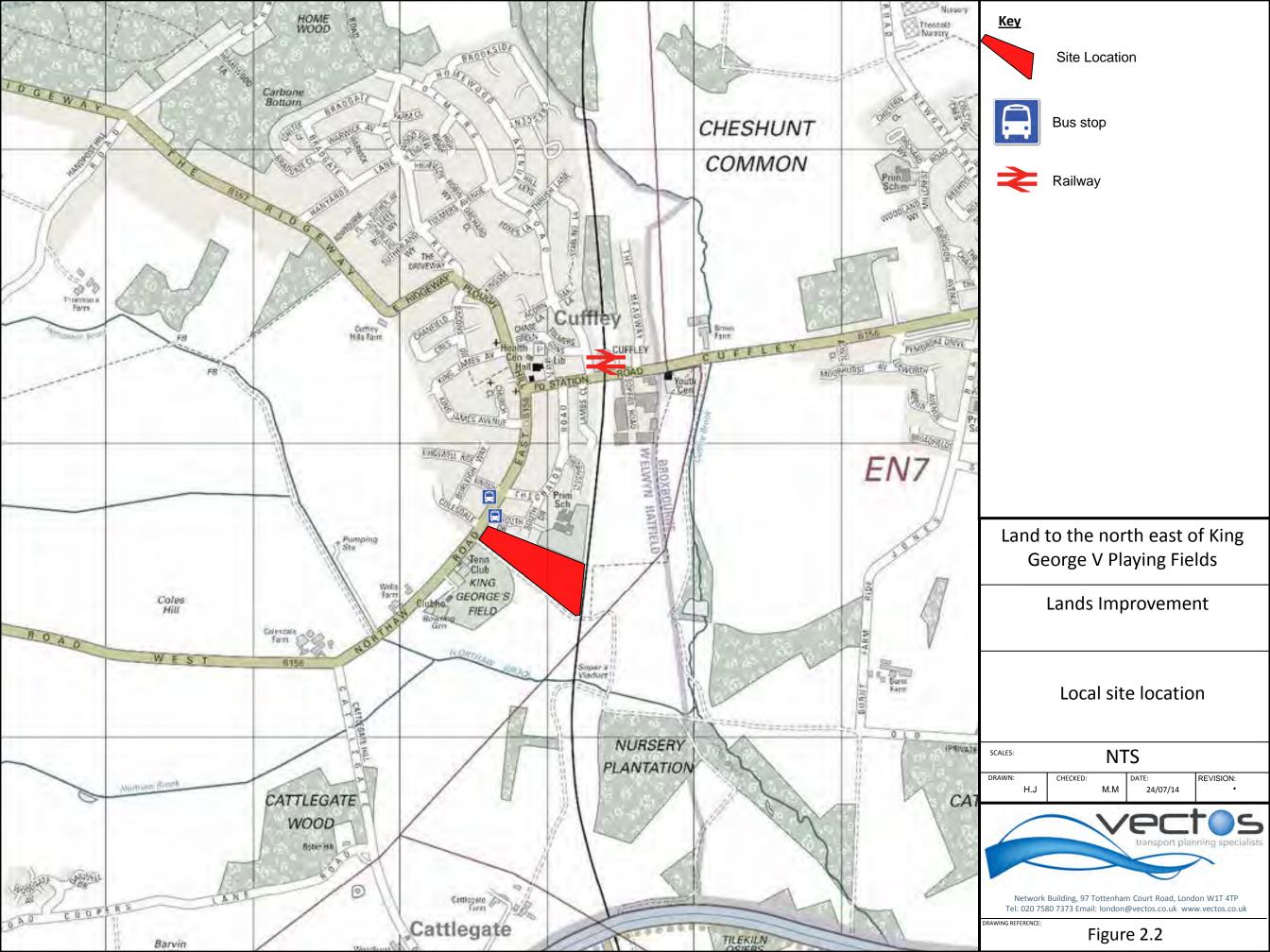
|                | T   |   |  |  |
|----------------|---|---|--|--|
|                | Full review and reporting                           | TPC and HCC   | Following Year 3 monitoring survey results analysis                                    | This will be a full review at the end of the 3 year monitoring and review period. The Travel Plan document will be completely revised. At this time the role of the TPC will transfer from the management company to a local residents group or representative.  |
|                | Implementation of measures                          | TPC with liaison with<br>Management Company                         | From the start of construction and on-<br>going  | Dependent on the nature of the measure. Physical measures such as cycle parking will be implemented during construction. Policy measures will be implemented on an on-going basis. The TPC will need to create a more detailed implementation timetable.   |
|                | Provision of Travel Packs<br>to all residents       | TPC   | Upon occupation of each unit   | Travel packs will contain up-to-date details of bus timetables, route maps and fare information, rail timetables and fare information, cycle and walking route maps, information on the benefits of sustainable travel and a brief overview of the Travel Plan. It will also include the TPC's details and their availability to provide personal travel planning services |
| Implementation | Communal Notice Boards<br>within site               | As part of development and TPC                                      | Within construction period and information to be reviewed by TPC every 6 months        | These will be provided in prominent communal locations and will be designed in the same format so that residents are able to recognise them around the site. They will provide the same information as the travel packs and will be reviewed on a 6-month basis to ensure that information is up-to-date   |
|                | Personal Travel Planning<br>Service                 | TPC   | On-going   | The TPC will keep a record of all residents who use the personal travel planning service, and will collect feedback  |
|                | Cycle Parking located on-<br>site                   | As part of development and<br>TPC to monitor<br>maintenance/ uptake | Within construction period and TPC to monitor uptake to ensure provision is sufficient | Houses will be provided with Brute Force Anchors within their private gardens and flats will be provided with Sheffield stands within a secure communal area. The TPC will monitor the maintenance and use of the communal stands  |
|                | Explore possibility of discounts at cycle retailers | TPC   | On-going (dependent on interest from local residents)                                  | The TPC will liaise with local bicycle retails to explore the possibility of obtaining discounts on bicycles and equipment for residents. The uptake of said discount  |

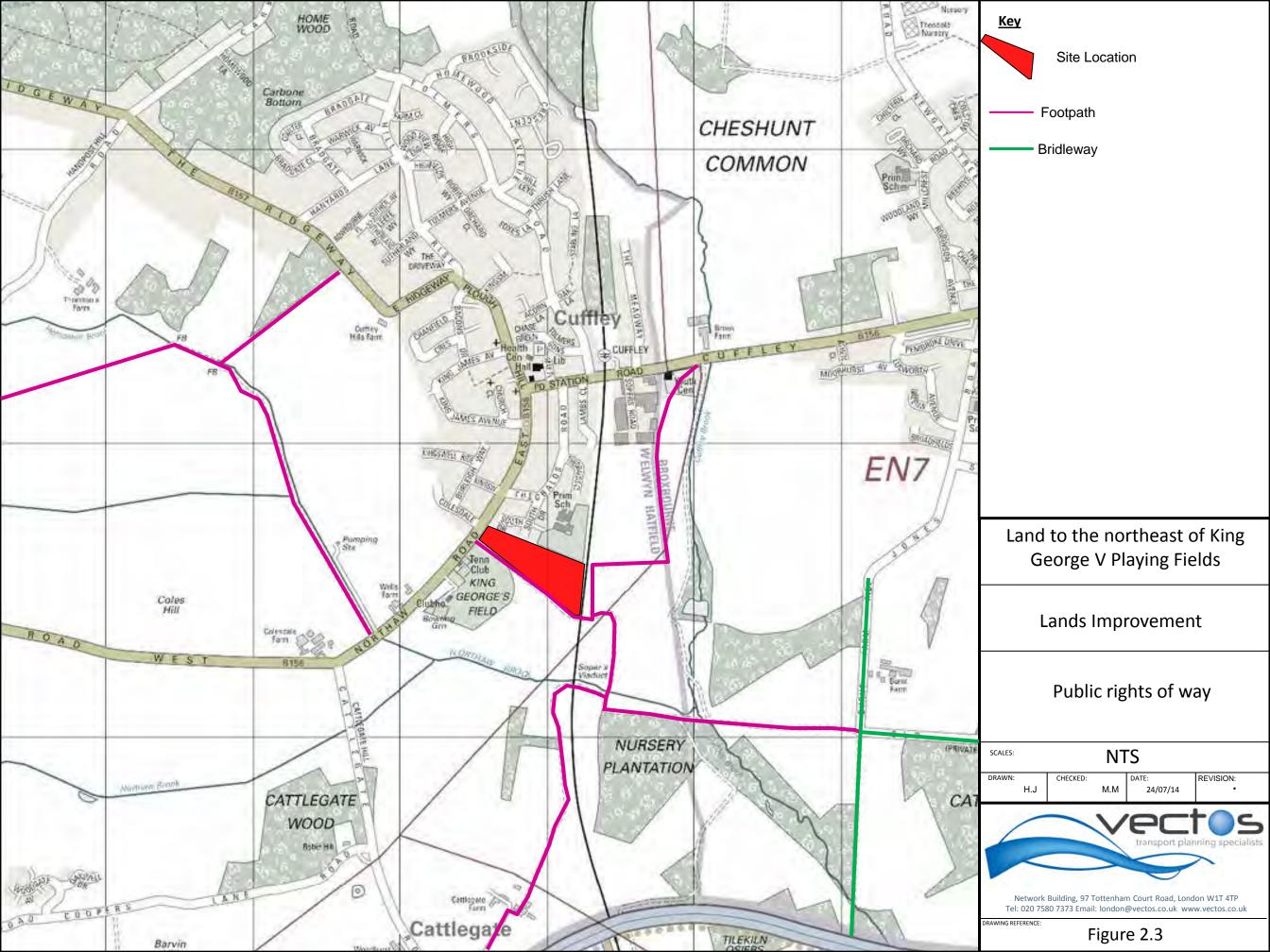


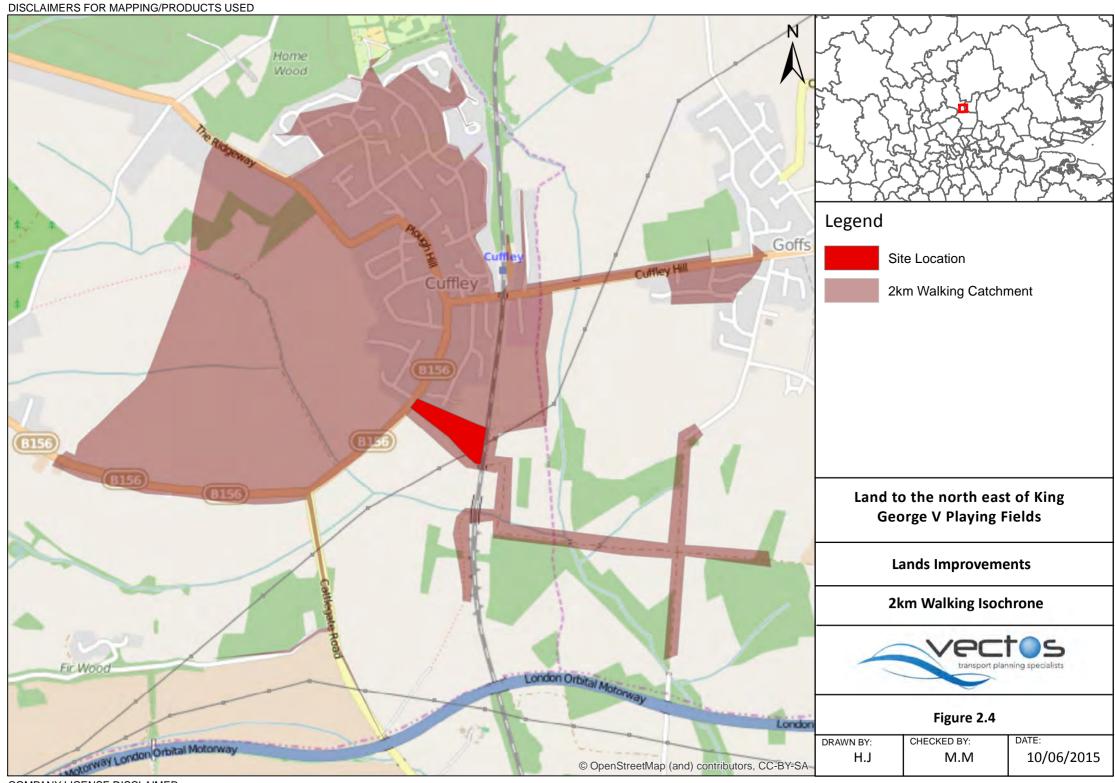
|   |     |   | (if obtained) will be recorded  |
|---|-----|---|---|
| Explore possibility of discounts on public transport routes | TPC | On-going (dependent on interest from local residents) | The TPC will liaise with public transport operators to explore the possibility of obtaining discounts on season tickets for residents. The uptake of said discount (if obtained) will be recorded |
| Promote cycling through awareness campaigns                 | TPC | On-going  | The TPC will promote the benefits of cycling through campaigns such as National Bike Week and will organise group cycle rides   |
| Promote walking through awareness campaigns                 | TPC | On-going  | The TPC will promote the benefits of walking through campaigns such as the '10,000 steps a day challenge' and will organise group walking activities  |

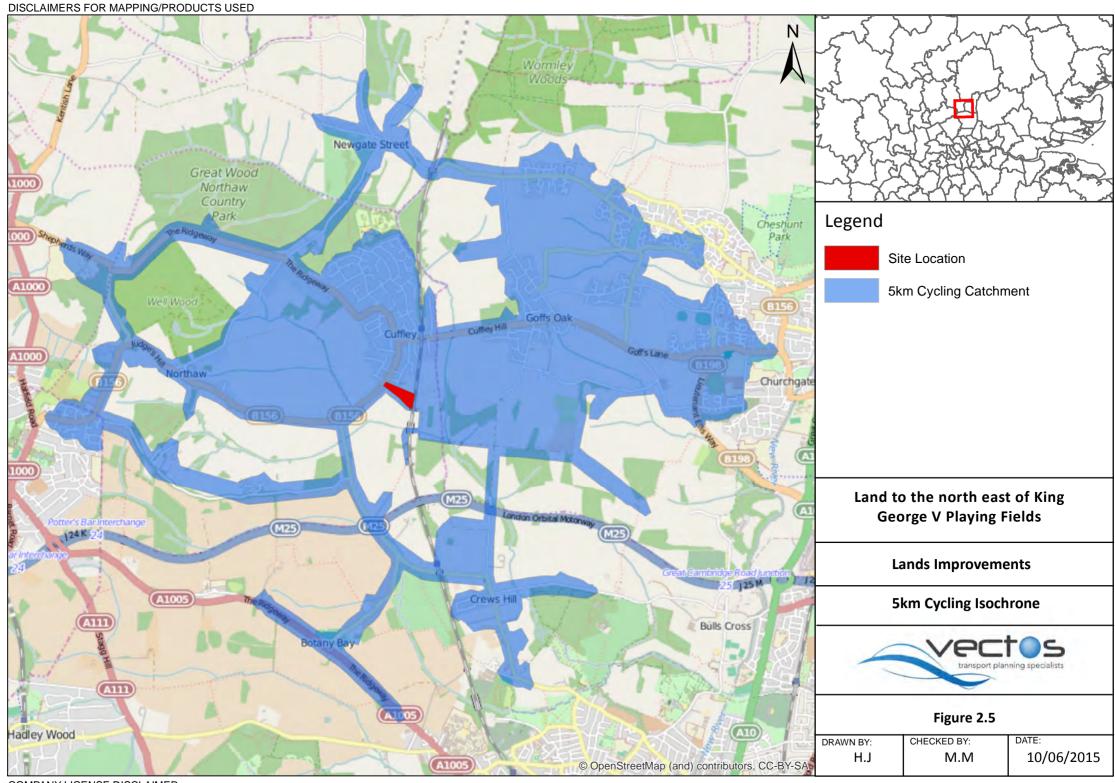
# **FIGURES**

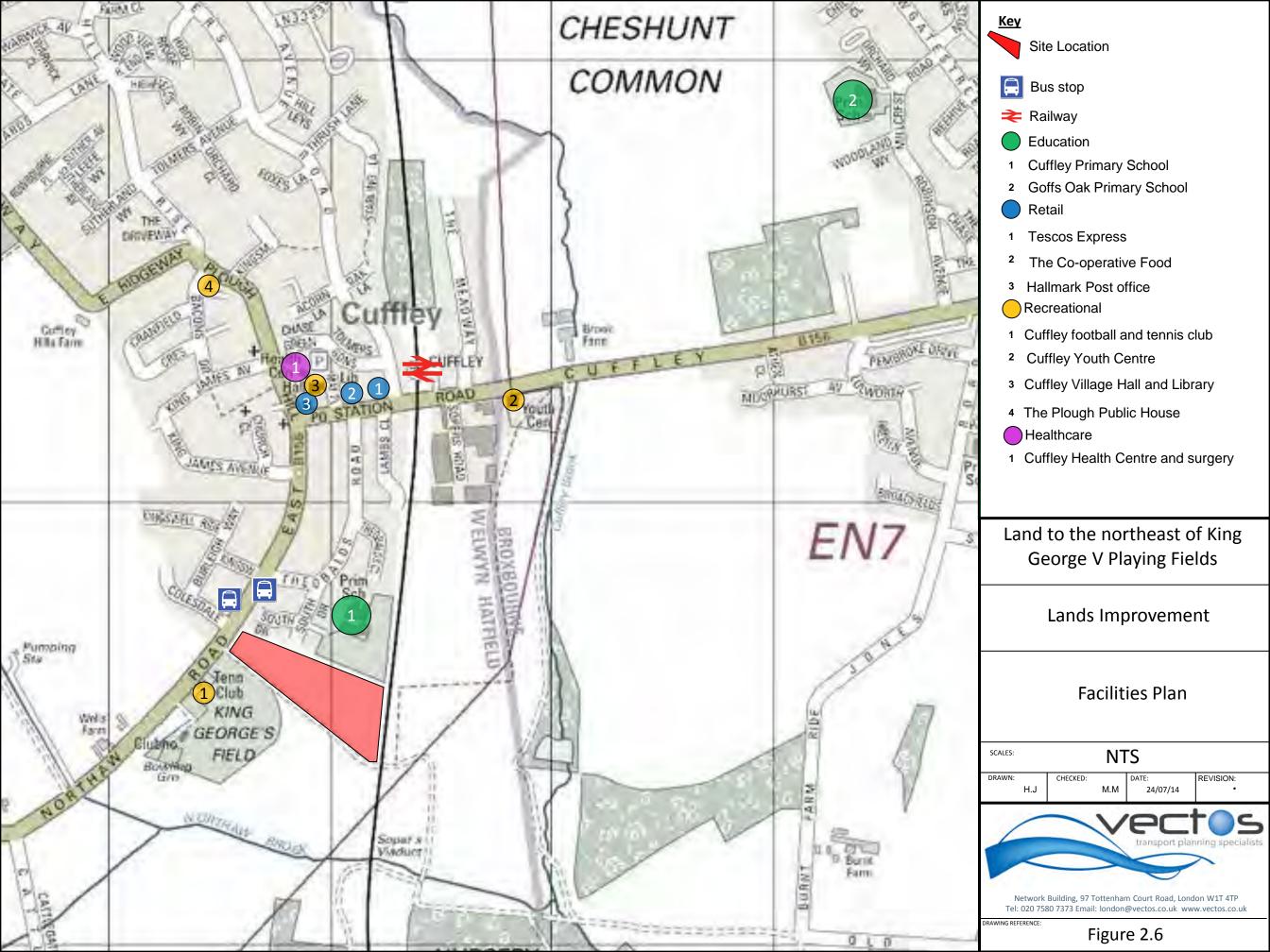












## **APPENDIX K**

**TRICS Output** 

VECTOS 97 TOTTENHAM COURT ROAD LONDON Licence No: 152301

#### TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLES

Selected regions and areas:

03 SOUTH WEST WI WILTSHIRE 1 days 04 **EAST ANGLIA** NF NORFOLK 1 days SF SUFFOLK 1 days EAST MIDLANDS 05 LINCOLNSHIRE ΙN 1 days NT NOTTINGHAMSHIRE 1 days 06 WEST MIDLANDS SHROPSHIRE 1 days WO WORCESTERSHIRE 1 days YORKSHIRE & NORTH LINCOLNSHIRE 07 NY NORTH YORKSHIRE 1 days 80 **NORTH WEST** 

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

### Filtering Stage 2 selection:

СН

CHESHIRE

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.

1 days

Parameter: Number of dwellings Actual Range: 98 to 166 (units: ) Range Selected by User: 90 to 180 (units: )

### Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/06 to 22/10/12

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 3 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 9 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 undertaking using machines.

### Selected Locations:

Suburban Area (PPS6 Out of Centre) 5 Edge of Town 4

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

### **Selected Location Sub Categories:**

Residential Zone 6
Out of Town 1
No Sub Category 2

VECTOS 97 TOTTENHAM COURT ROAD LONDON Licence No: 152301

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.

Filtering Stage 3 selection:

### Use Class:

C3 9 days

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

#### Population within 1 mile:

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

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

#### Population within 5 miles:

| 5,001 to 25,000    | 1 days |
|--------------------|--------|
| 50,001 to 75,000   | 1 days |
| 75,001 to 100,000  | 2 days |
| 100,001 to 125,000 | 3 days |
| 125,001 to 250,000 | 2 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 | <b>_</b><br>2 day |
|------------|-------------------|
| 1.1 to 1.5 | 7 da\             |

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 9 days

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

VECTOS 97 TOTTENHAM COURT ROAD LONDON Licence No: 152301

### LIST OF SITES relevant to selection parameters

1 CH-03-A-06 SEMI-DET./BUNGALOWS CHESHIRE

CREWE ROAD

**CREWE** 

Suburban Area (PPS6 Out of Centre)

No Sub Category

Total Number of dwellings: 129

Survey date: TUESDAY 14/10/08 Survey Type: MANUAL

2 LN-03-A-01 MIXED HOUSES LINCOLNSHIRE

BRANT ROAD BRACEBRIDGE LINCOLN Edge of Town Residential Zone

Total Number of dwellings: 150

Survey date: TUESDAY 15/05/07 Survey Type: MANUAL

3 NF-03-A-02 HOUSES & FLATS NORFOLK

DEREHAM ROAD

**NORWICH** 

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total Number of dwellings: 98

Survey date: MONDAY 22/10/12 Survey Type: MANUAL
4 NT-03-A-03 SEMI DETACHED NOTTINGHAMSHIRE

B6018 SUTTON ROAD

KIRKBY-IN-ASHFIELD

Edge of Town Residential Zone

Total Number of dwellings: 166

Survey date: WEDNESDAY 28/06/06 Survey Type: MANUAL NY-03-A-06 BUNGALOWS & SEMI DET. NORTH YORKSHIRE

HORSEFAIR

BOROUGHBRIDGE

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total Number of dwellings: 115

Survey date: FRIDAY 14/10/11 Survey Type: MANUAL

6 SF-03-A-03 MIXED HOUSES SUFFOLK

BARTON HILL

FORNHAM ST MARTIN BURY ST EDMUNDS Edge of Town Out of Town

Total Number of dwellings: 101

Survey date: MONDAY 15/05/06 Survey Type: MANUAL

7 SH-03-A-04 TERRACED SHROPSHIRE

ST MICHAEL'S STREET

**SHREWSBURY** 

Suburban Area (PPS6 Out of Centre)

No Sub Category

Total Number of dwellings: 108

Survey date: THURSDAY 11/06/09 Survey Type: MANUAL

VECTOS 97 TOTTENHAM COURT ROAD LONDON Licence No: 152301

### LIST OF SITES relevant to selection parameters (Cont.)

SEMI D./TERRACED W. BASSETT WL-03-A-01 WILTSHIRE

MAPLE DRIVE

WOOTTON BASSETT Edge of Town Residential Zone

Total Number of dwellings:

99 Survey date: MONDAY 02/10/06 Survey Type: MANUAL WORCESTERSHIRE

WO-03-A-03 DETACHED

BLAKEBROOK **BLAKEBROOK** KIDDERMINSTER

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total Number of dwellings: 138

> Survey date: FRIDAY 05/05/06 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.

VECTOS 97 TOTTENHAM COURT ROAD LONDON

Licence No: 152301

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

MULTI-MODAL TOTAL PEOPLE Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

|               |      | ARRIVALS |       |      | DEPARTURES |       |      | TOTALS |       |
|---------------|------|----------|-------|------|------------|-------|------|--------|-------|
|               | No.  | Ave.     | Trip  | No.  | Ave.       | Trip  | No.  | Ave.   | Trip  |
| Time Range    | Days | DWELLS   | Rate  | Days | DWELLS     | Rate  | Days | DWELLS | Rate  |
| 00:00 - 01:00 |      |          |       |      |            |       |      |        |       |
| 01:00 - 02:00 |      |          |       |      |            |       |      |        |       |
| 02:00 - 03:00 |      |          |       |      |            |       |      |        |       |
| 03:00 - 04:00 |      |          |       |      |            |       |      |        |       |
| 04:00 - 05:00 |      |          |       |      |            |       |      |        |       |
| 05:00 - 06:00 |      |          |       |      |            |       |      |        |       |
| 06:00 - 07:00 |      |          |       |      |            |       |      |        |       |
| 07:00 - 08:00 | 9    | 123      | 0.113 | 9    | 123        | 0.426 | 9    | 123    | 0.539 |
| 08:00 - 09:00 | 9    | 123      | 0.232 | 9    | 123        | 0.758 | 9    | 123    | 0.990 |
| 09:00 - 10:00 | 9    | 123      | 0.241 | 9    | 123        | 0.348 | 9    | 123    | 0.589 |
| 10:00 - 11:00 | 9    | 123      | 0.235 | 9    | 123        | 0.294 | 9    | 123    | 0.529 |
| 11:00 - 12:00 | 9    | 123      | 0.274 | 9    | 123        | 0.284 | 9    | 123    | 0.558 |
| 12:00 - 13:00 | 9    | 123      | 0.285 | 9    | 123        | 0.281 | 9    | 123    | 0.566 |
| 13:00 - 14:00 | 9    | 123      | 0.288 | 9    | 123        | 0.253 | 9    | 123    | 0.541 |
| 14:00 - 15:00 | 9    | 123      | 0.285 | 9    | 123        | 0.284 | 9    | 123    | 0.569 |
| 15:00 - 16:00 | 9    | 123      | 0.620 | 9    | 123        | 0.337 | 9    | 123    | 0.957 |
| 16:00 - 17:00 | 9    | 123      | 0.486 | 9    | 123        | 0.297 | 9    | 123    | 0.783 |
| 17:00 - 18:00 | 9    | 123      | 0.577 | 9    | 123        | 0.329 | 9    | 123    | 0.906 |
| 18:00 - 19:00 | 9    | 123      | 0.356 | 9    | 123        | 0.339 | 9    | 123    | 0.695 |
| 19:00 - 20:00 |      |          |       |      |            |       |      |        |       |
| 20:00 - 21:00 |      |          |       |      |            |       |      |        |       |
| 21:00 - 22:00 |      |          |       |      |            |       |      |        |       |
| 22:00 - 23:00 |      |          |       |      |            |       |      |        |       |
| 23:00 - 24:00 |      |          |       |      |            |       |      |        |       |
| Total Rates:  |      |          | 3.992 |      |            | 4.230 |      |        | 8.222 |

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.

#### Parameter summary

Trip rate parameter range selected: 98 - 166 (units: )
Survey date date range: 01/01/06 - 22/10/12

Number of weekdays (Monday-Friday): 9
Number of Saturdays: 0
Number of Sundays: 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.

## **APPENDIX L**

**Census Data** 

### **QS701EW - Method of travel to work**

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population All usual residents aged 16 to 74

units Persons date 2011 rural urban Total

| Method of Travel to Work                 | E00121603 | E00121606 | E00121607 |
|--|-----------|-----------|-----------|
| All categories: Method of travel to work | 190       | 175       | 133       |
| Work mainly at or from home              | 4         | 6         | 3         |
| Underground, metro, light rail, tram     | 6         | 4         | 2         |
| Train                                    | 24        | 18        | 19        |
| Bus, minibus or coach                    | 1         | 2         | 1         |
| Taxi                                     | 0         | 0         | 1         |
| Motorcycle, scooter or moped             | 1         | 1         | 0         |
| Driving a car or van                     | 83        | 67        | 50        |
| Passenger in a car or van                | 4         | 1         | 2         |
| Bicycle                                  | 1         | 0         | 0         |
| On foot                                  | 3         | 8         | 3         |
| Other method of travel to work           | 3         | 1         | 0         |
| Not in employment                        | 60        | 67        | 52        |

In order to protect against disclosure of personal information, records have been swapped between different geographic areas. Some counts will be affected, particularly small counts at the lowest geographies.

## **APPENDIX M**

**Distribution Information** 

| Origin LA       | Origin Ward | Destination LA       | Destination Ward        | People | AtHome | NotWorking | ndergroun | Train | Bus | Taxi C | ar Driver | r Passeng | Motorcycle | Bicycle | On Foot | Other | Car Pool |
|-----------------|-------------|----------------------|-------------------------|--------|--------|------------|-----------|-------|-----|--------|-----------|-----------|------------|---------|---------|-------|----------|
| Welwyn Hatfield | Northaw     | Aylesbury Vale       | Gatehouse               | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Barking and Dagenham | Thames                  | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Barnet               | Brunswick Park          | 8      | 0      | 0          | 0         | 0     | 0   | 0      | 8         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Barnet               | Childs Hill             | 3      | 0      | 0          | 0         | 3     | 0   | 0      | 0         | 0         | 0          | 0       | 0       | C     | ) -1     |
| Welwyn Hatfield | Northaw     | Barnet               | Coppetts                | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | ) -1     |
| Welwyn Hatfield | Northaw     | Barnet               | East Barnet             | 16     | 0      | 0          | 0         | 3     | 0   | 0      | 13        | 0         | 0          | 0       | 0       |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | East Finchley           | 4      |        |            | -         | 0     | -   | -      | 4         | 0         | 0          |         |         | 0     |          |
| Welwyn Hatfield | Northaw     | Barnet               | Edgware                 | 3      |        |            | -         | 0     | _   | -      | 3         | 0         | 0          |         | -       | 0     |          |
| Welwyn Hatfield | Northaw     | Barnet               | Finchley Church End     | 3      |        |            |           | 0     | -   | -      | 3         | 0         | 0          | -       | -       |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | Hendon                  | 3      |        |            | -         | 0     | -   | -      | 3         | 0         | 0          | -       | -       |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | High Barnet             | 19     |        |            | ,         | 0     |     | _      | 16        | 3         | 0          |         |         |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | Oakleigh                | 6      |        | 0          |           | 0     | _   | -      | 3         | 3         | 0          |         | -       |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | Totteridge              | 7      | -      |            | -         | 0     | -   | -      | 7         | 0         | 0          | _       | -       |       | -        |
| Welwyn Hatfield | Northaw     | Barnet               | Underhill               | 12     | -      |            |           | 0     | -   | -      | 12        | 0         | 0          | _       | -       |       |          |
|                 |             |                      |                         | 14     |        |            | ,         | 0     | -   | -      | 11        | 0         | 0          | -       |         |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | West Finchley           |        |        |            | ,         |       | _   | -      |           | -         |            | _       | -       |       |          |
| Welwyn Hatfield | Northaw     | Barnet               | Woodhouse               | 14     |        |            | -         | 0     |     |        | 11        | 0         | 0          |         | -       | C     |          |
| Welwyn Hatfield | Northaw     | Basildon             | Pitsea North West       | 3      |        |            | -         | 0     | _   |        | 3         | 0         | 0          | _       | -       | C     |          |
| Welwyn Hatfield | Northaw     | Bracknell Forest     | Binfield with Warfield  | 3      |        | 0          |           | 0     | -   |        | 3         | 0         | 0          |         | -       | C     |          |
| Welwyn Hatfield | Northaw     | Bracknell Forest     | Priestwood and Garth    | 3      |        |            | ,         | 0     |     |        | 3         | 0         | 0          |         | •       | C     |          |
| Welwyn Hatfield | Northaw     | Brent                | Harlesden               | 3      |        |            | ,         | 0     | _   | -      | 0         | 0         | 0          |         |         | C     |          |
| Welwyn Hatfield | Northaw     | Brent                | Tokyngton               | 3      |        | 0          |           | 0     | -   | -      | 3         | 0         | 0          |         |         | C     |          |
| Welwyn Hatfield | Northaw     | Brent                | Welsh Harp              | 3      | -      | 0          | 0         | 3     | _   | -      | 0         | 0         | 0          | 0       |         | C     |          |
| Welwyn Hatfield | Northaw     | Brentwood            | Brentwood West          | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Broxbourne              | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Bury Green              | 7      | 0      | 0          | 0         | 0     | 0   | 0      | 7         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Cheshunt Central        | 26     | 0      | 0          | 0         | 0     | 0   | 0      | 26        | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Cheshunt North          | 18     | 0      | 0          | 0         | 0     | 0   | 0      | 15        | 3         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Goffs Oak               | 24     | 0      | 0          | 0         | 0     | 0   | 0      | 21        | 0         | 0          | 0       | 3       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Hoddesdon Town          | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Rosedale                | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Broxbourne           | Rye Park                | 8      |        | 0          | 0         | 0     | 0   | 0      | 8         | 0         | 0          | 0       | 0       | C     | ) -1     |
| Welwyn Hatfield | Northaw     | Broxbourne           | Theobalds               | 11     |        | 0          | 0         | 0     | 3   | 0      | 8         | 0         | 0          | 0       | 0       |       |          |
| Welwyn Hatfield | Northaw     | Broxbourne           | Waltham Cross           | 31     | -      | 0          | 0         | 3     | _   |        | 28        | 0         | 0          |         | 0       |       |          |
| Welwyn Hatfield | Northaw     | Broxbourne           | Wormley & Turnford      | 8      |        |            |           | 0     | -   | -      | 8         | 0         | 0          | _       | -       | 0     |          |
| Welwyn Hatfield | Northaw     | Camden               | Bloomsbury              | 5      |        | 0          |           | 5     | _   |        | 0         | 0         | 0          | _       | -       |       |          |
| •               |             |                      | Camden Town with        |        |        |            | _         |       |     |        |           |           |            |         | -       |       |          |
| Welwyn Hatfield | Northaw     | Camden               | Primrose Hill           | 3      | 0      | 0          | 0         | 3     | 0   | 0      | 0         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Camden               | Frognal and Fitzjohns   | 3      | 0      | 0          | 0         | 0     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | ) -1     |
| Welwyn Hatfield | Northaw     | Camden               | Hampstead Town          | 6      |        | 0          | 0         | 0     | 0   | 0      | 6         | 0         | 0          | 0       | 0       | C     |          |
| Welwyn Hatfield | Northaw     | Camden               | Highgate                | 3      |        |            | 0         | 0     | -   | -      | 3         | 0         | 0          | -       | 0       | 0     |          |
| ·               |             |                      | Holborn and Covent      |        |        |            | -         |       | -   |        |           |           |            |         | -       |       |          |
| Welwyn Hatfield | Northaw     | Camden               | Garden                  | 22     | 0      | 0          | 3         | 16    | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Camden               | King's Cross            | 3      | 0      | 0          | 0         | 3     | 0   | 0      | 0         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | Camden               | Regent's Park           | 10     | 0      | 0          | 3         | 4     | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | -1       |
| Welwyn Hatfield | Northaw     | City of London       | Bishopsgate             | 39     | 0      | 0          | 3         | 33    | 0   | 0      | 3         | 0         | 0          | 0       | 0       | C     | ) -1     |
| Welwyn Hatfield | Northaw     | City of London       | Cripplegate             | 9      |        | 0          | 0         | 9     | 0   | 0      | 0         | 0         | 0          | 0       | 0       | C     | ) -1     |
| Welwyn Hatfield | Northaw     | City of London       | Farringdon Within       | 13     |        |            | 0         | 7     | 0   | 0      | 6         | 0         | 0          | 0       | 0       | C     |          |
| Welwyn Hatfield | Northaw     | City of London       | Farringdon Without      | 23     |        |            | ) 4       | 16    |     | 0      | 3         | 0         | 0          | 0       | 0       | C     |          |
| Welwyn Hatfield | Northaw     | City of London       | Portsoken               | 13     |        |            | 0         | 10    |     | -      | 3         | 0         | 0          | -       | 0       | 0     |          |
| Welwyn Hatfield | Northaw     | City of London       | Queenhithe              | 6      |        |            | -         | 6     |     |        | 0         | 0         | 0          | _       |         |       |          |
| Welwyn Hatfield | Northaw     | City of London       | Tower                   | 22     |        | 0          |           | 19    |     | -      | 0         | 0         | 0          | _       | -       |       |          |
| Welwyn Hatfield | Northaw     | City of London       | Walbrook                | 12     |        |            |           | 12    |     | -      | 0         | 0         | 0          | -       | -       |       |          |
| Welwyn Hatfield | Northaw     | Dacorum              | Adeyfield East          | 3      |        |            | , ,       | 0     |     | -      | 3         | 0         | 0          | _       | -       |       | -        |
| -               | Northaw     | Dacorum              | Berkhamsted East        | 3      |        | 0          | -         | 0     | _   |        | 3         | 0         | 0          | _       | -       |       |          |
| Welwyn Hatfield |             |                      |                         |        | -      |            | -         |       | _   |        | 3         |           | 0          | -       | -       |       |          |
| Welwyn Hatfield | Northaw     | Dacorum              | Hemel Hempstead Central | 4      | 0      | 0          | 0         | 0     | 0   | 0      | 4         | 0         | 0          | 0       | 0       | C     | -1       |

| Welwyn Hatfield | Northaw | Ealing                 | East Acton                    | 5  | 0   | 0        | 0 | 0   | 0 | 0   | 5  | 0 | 0 | 0 | 0 | 0 - |
|-----------------|---------|------------------------|-------------------------------|----|-----|----------|---|-----|---|-----|----|---|---|---|---|-----|
| Welwyn Hatfield | Northaw | Ealing                 | Greenford Green               | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
|                 |         |                        |                               |    |     |          | - |     |   |     |    | - |   |   | - | -   |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Bishop's Stortford All Saints | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Braughing                     | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Great Amwell                  | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Hertford Bengeo               | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Hertford Castle               | 32 | 0   | 0        | 0 | 3   | 3 | 0   | 26 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Hertford Heath                | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Hertford Kingsmead            | 11 | 0   | 0        | 3 | 0   | 0 | 0   | 8  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Hertford Rural South          | 6  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 3 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Ware Chadwell                 | 7  | 0   | 0        | 0 | 0   | 0 | 0   | 7  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Ware Christchurch             | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Ware St Mary's                | 5  | 0   | 0        | 0 | 0   | 0 | 0   | 5  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | East Hertfordshire     | Watton-at-Stone               | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Edinburgh, City of     | Holyrood                      | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Elmbridge              | Thames Ditton                 | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Bush Hill Park                | 6  | 0   | 0        | 0 | 3   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Chase                         | 24 | 0   | 0        | 0 | 3   | 0 | 0   | 21 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Cockfosters                   | 15 | 0   | 0        | 0 | 0   | 0 | 0   | 15 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Edmonton Green                | 9  | 0   | 0        | 0 | 0   | 0 | 0   | 6  | 3 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Enfield Highway               | 19 | 0   | 0        | 0 | 0   | 0 | 0   | 19 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Enfield Lock                  | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Grange                        | 37 | 0   | 0        | 3 | 3   | 0 | 0   | 31 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Highlands                     | 37 | 0   | 0        | 0 | 3   | 0 | 0   | 34 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Jubilee                       | 8  | 0   | 0        | 0 | 0   | 0 | 0   | 8  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Lower Edmonton                | 7  | 0   | 0        | 0 | 0   | 0 | 0   | 7  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Palmers Green                 | 5  | 0   | 0        | 0 | 0   | 0 | 0   | 5  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Ponders End                   | 28 | 0   | 0        | 0 | 3   | 0 | 0   | 25 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Southbury                     | 33 | 0   | 0        | 0 | 0   | 0 | 0   | 33 | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Southgate                     | 11 | 0   | 0        | 0 | 3   | 0 | 0   | 8  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Town                          | 40 | 0   | 0        | 0 | 3   | 3 | 0   | 28 | 3 | 0 | 0 | 3 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Turkey Street                 | 6  | 0   | 0        | 0 | 0   | 0 | 0   | 6  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Upper Edmonton                | 8  | 0   | 0        | 0 | 0   | 0 | 0   | 8  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Enfield                | Winchmore Hill                | 8  | 0   | 0        | 0 | 0   | 0 | 0   | 8  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Epping Forest          | Epping Hemnall                | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Epping Forest          | Epping Lindsey and            | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
|                 |         | 1. 4                   | Thornwood Common              |    | -   | <u> </u> | - | - 1 | - |     | -  | - | - | - | - | -   |
| Welwyn Hatfield | Northaw | Epping Forest          | Loughton Alderton             | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Epping Forest          | Loughton St John's            | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Epping Forest          | Lower Nazeing                 | 7  | 0   | 0        | 0 | 0   | 0 | 0   | 7  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Epping Forest          | Waltham Abbey Honey<br>Lane   | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Epping Forest          | Waltham Abbey North East      | 6  | 0   | 0        | 0 | 0   | О | 0   | 3  | 3 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Hackney                | Dalston                       | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Hackney                | De Beauvoir                   | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Hackney                | Haggerston                    | 12 | 0   | 0        | 3 | 6   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Hackney                | Hoxton                        | 4  | 0   | 0        | 0 | 0   | 0 | 0   | 4  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Hammersmith and Fulham | Avonmore and Brook            | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
|                 |         |                        | Green                         |    | - 1 |          | 0 |     | - | - 1 |    | - | - | - |   | -   |
| Welwyn Hatfield | Northaw | Hammersmith and Fulham | Hammersmith Broadway          | 6  | 0   | 0        | 0 | 6   | 0 | 0   | 0  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Hammersmith and Fulham | Town                          | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 0  | 0 | 3 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Haringey               | Bounds Green                  | 8  | 0   | 0        | 0 | 3   | 0 | 0   | 5  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Haringey               | Bruce Grove                   | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Haringey               | Crouch End                    | 6  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 3 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Haringey               | Fortis Green                  | 3  | 0   | 0        | 0 | 0   | 0 | 0   | 3  | 0 | 0 | 0 | 0 | 0 - |
| Welwyn Hatfield | Northaw | Haringey               | Harringay                     | 6  | 0   | 0        | 0 | 0   | 0 | 0   | 6  | 0 | 0 | 0 | 0 | 0 - |

| Welwyn Hatfield  | Northaw                       | Haringey  | Hornsey   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
|--|-------------------------------|---|---|-------------|-------|-----|-------------|-------|-------------|-------|-------|-----|-------------|-------|-----|----------------------|
| Welwyn Hatfield  | Northaw                       | Haringey  | Noel Park                                       | 6           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 3   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Haringey  | Northumberland Park                             | 13          | 0     | 0   | 0           | 0     | 0           | 0     | 13    | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Haringey  | St Ann's  | 7           | 0     | 0   | 0           | 3     | 0           | 0     | 4     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Haringey  | Tottenham Green                                 | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Haringey  | Tottenham Hale                                  | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Haringey  | White Hart Lane                                 | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Haringey  | Woodside  | 4           | 0     | 0   | 0           | 0     | 0           | 0     | 4     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Harlow  | Little Parndon and Hare<br>Street               | 6           | 0     | 0   | 0           | 0     | 0           | 0     | 6     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Harlow  | Netteswell                                      | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Harlow  | Old Harlow                                      | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  |                               |   | Hookstone                                       | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw<br>Northaw            | Harrogate Harrogate   | Low Harrogate                                   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
|  |                               | + •   | -   | 3           | 0     | 0   |             | 0     | 0           | 0     | 3     | 0   | -           | 0     | 0   |                      |
| Welwyn Hatfield  | Northaw                       | Harrow  | Canons  | -           |       | -   | 0           |       | -           | -     | -     |     | 0           |       |     | -                    |
| Welwyn Hatfield  | Northaw                       | Harrow  | Greenhill                                       | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Harrow  | Kenton East                                     | 3           | 0     | 0   | 0           | 0     | 0           | -     | 3     | 0   | -           | 0     | -   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Harrow  | Marlborough                                     | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Harrow  | Wealdstone                                      | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Borehamwood<br>Brookmeadow                      | 4           | 0     | 0   | 0           | 0     | 0           | 0     | 4     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Borehamwood Cowley Hill                         | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Borehamwood Hillside                            | 5           | 0     | 0   | 0           | 0     | 0           | 0     | 5     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Borehamwood Kenilworth                          | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Bushey North                                    | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Elstree   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Potters Bar Furzefield                          | 16          | 0     | 0   | 0           | 0     | 3           | 0     | 10    | 3   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Potters Bar Oakmere                             | 21          | 0     | 0   | 0           | 0     | 0           | 0     | 15    | 3   | 0           | 0     | 3   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Potters Bar Parkfield                           | 81          | 0     | 0   | 0           | 0     | 0           | 3     | 61    | 14  | 0           | 0     | 3   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hertsmere   | Shenley   | 6           | 0     | 0   | 0           | 0     | 0           | 0     | 6     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hillingdon  | Northwood                                       | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Hillingdon  | West Drayton                                    | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Barnsbury                                       | 3           | 0     | 0   | 0           | 3     | 0           | 0     | 0     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Bunhill   | 17          | 0     | 0   | 0           | 14    | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Caledonian                                      | 9           | 0     | 0   | 0           | 3     | 0           | 0     | 3     | 3   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Canonbury                                       | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Clerkenwell                                     | 10          | 0     | 0   | 0           | 5     | 0           | 0     | 5     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Finsbury Park                                   | 7           | 0     | 0   | 0           | 0     | 0           | 0     | 4     | 0   | 0           | 0     | 3   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Highbury West                                   | 6           | 0     | 0   | 0           | 3     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | Junction  | 3           | 0     | 0   | 0           | 3     | 0           | 0     | 0     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | St George's                                     | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | St Mary's                                       | 8           | 0     | 0   | 0           | 5     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Islington   | St Peter's                                      | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Lambeth   | Bishop's  | 3           | 0     | 0   | 3           | 0     | 0           | 0     | 0     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Lambeth   | Oval  | 3           | 0     | 0   | 0           | 3     | 0           | 0     | 0     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Luton   | South   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Luton   | Wigmore   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Merton  | Abbey   | 3           | 0     | 0   | 0           | 3     | 0           | 0     | 0     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Merton  | Cricket Green                                   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| ** CIWYII I Iatlicia   | ITOTALICAN                    |   | Clifton and Meppershall                         | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield  | Northaw                       | Mid Redfordshire  |   | J           | U     | U   | U           | U     | U           | U     | J     | U   | U           | U     | U   | U <sub> </sub> -1    |
| Welwyn Hatfield  | Northaw                       | Mid Bedfordshire  |   | 2           | 0     | 0   | 0           | 0     | 0           | 0     | 2     | 0   | 0           | 0     | 0   | 0 1                  |
| Welwyn Hatfield  | Northaw                       | Milton Keynes   | Campbell Park                                   | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield<br>Welwyn Hatfield                                       | Northaw<br>Northaw            | Milton Keynes<br>Newark and Sherwood                              | Campbell Park<br>Bridge                         | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1                 |
| Welwyn Hatfield<br>Welwyn Hatfield<br>Welwyn Hatfield                    | Northaw<br>Northaw<br>Northaw | Milton Keynes Newark and Sherwood North Hertfordshire             | Campbell Park Bridge Hitchin Priory             | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1<br>0 -1         |
| Welwyn Hatfield<br>Welwyn Hatfield<br>Welwyn Hatfield<br>Welwyn Hatfield | Northaw<br>Northaw<br>Northaw | Milton Keynes Newark and Sherwood North Hertfordshire Northampton | Campbell Park Bridge Hitchin Priory Nene Valley | 3<br>3<br>3 | 0 0 0 | 0 0 | 0<br>0<br>0 | 0 0 0 | 0<br>0<br>0 | 0 0 0 | 3 3 3 | 0 0 | 0<br>0<br>0 | 0 0 0 | 0 0 | 0 -1<br>0 -1<br>0 -1 |
| Welwyn Hatfield<br>Welwyn Hatfield<br>Welwyn Hatfield                    | Northaw<br>Northaw<br>Northaw | Milton Keynes Newark and Sherwood North Hertfordshire             | Campbell Park Bridge Hitchin Priory             | 3           | 0     | 0   | 0           | 0     | 0           | 0     | 3     | 0   | 0           | 0     | 0   | 0 -1<br>0 -1         |

| Welwyn Hatfield | Northaw | Reigate and Banstead                  | Redhill West                       | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
|-----------------|---------|---------------------------------------|------------------------------------|----|---|---|---|---|---|---|-----|-----|---|---|---|------|
| Welwyn Hatfield | Northaw | Richmond upon Thames                  | Hampton                            | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Slough                                | Chalvey                            | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Slough                                | Colnbrook with Poyle               | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Slough                                | Upton Upton                        | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
|                 |         | -                                     | •                                  | 3  | 0 | 0 | - | - | - |   |     | 0   | 0 | 0 | - | -    |
| Welwyn Hatfield | Northaw | South Bucks                           | Beaconsfield South                 |    |   | - | 0 | 0 | 0 | 0 | 3   |     |   | - | 0 | -    |
| Welwyn Hatfield | Northaw | South Bucks                           | Burnham Beeches                    | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | South Cambridgeshire                  | The Shelfords and<br>Stapleford    | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | South Cambridgeshire                  | The Wilbrahams                     | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | South Norfolk                         | Stoke Holy Cross                   | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | South Oxfordshire                     | Garsington                         | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | South Ribble                          | Farington West                     | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Southwark                             | Cathedrals                         | 15 | 0 | 0 | 3 | 9 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Southwark                             | Chaucer                            | 7  | 0 | 0 | 0 | 4 | 0 | 0 | 0   | 0   | 0 | 3 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Southwark                             | Grange                             | 6  | 0 | 0 | 3 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Southwark                             | Livesey                            | 3  | 0 | 0 | 0 | 3 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Southwark                             | Riverside                          | 4  | 0 | 0 | 0 | 4 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Spelthorne                            | Ashford Common                     | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Spelthorne                            | Laleham and Shepperton<br>Green    | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | Ashley                             | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | Colney Heath                       | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | London Colney                      | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | Marshalswick South                 | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | Park Street                        | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
|                 |         |                                       |                                    | 3  | 0 | 0 | 0 | 0 | 0 |   | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | Redbourn                           |    | - | - | - |   |   | 0 |     |     |   | - | - |      |
| Welwyn Hatfield | Northaw | St Albans                             | Sandridge                          | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | St Albans                             | St Peters                          | 17 | - | - | - | - | 3 | 0 | 14  | 0   | 0 | 0 | - | -    |
| Welwyn Hatfield | Northaw | Stevenage                             | Bedwell                            | 3  | 0 | 0 | 0 | 3 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Stevenage                             | Roebuck                            | 6  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 3   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Stevenage                             | Symonds Green                      | 4  | 0 | 0 | 0 | 0 | 0 | 0 | 4   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Tower Hamlets                         | Blackwall and Cubitt Town          | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Tower Hamlets                         | Millwall                           | 15 | 0 | 0 | 0 | 8 | 0 | 0 | 7   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Tower Hamlets                         | Spitalfields and Banglatown        | 3  | 0 | 0 | 0 | 3 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Tower Hamlets                         | St Dunstan's and Stepney<br>Green  | 6  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 3   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Tower Hamlets                         | St Katherine's and Wapping         | 12 | 0 | 0 | 3 | 3 | 0 | 0 | 6   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Tower Hamlets                         | Whitechapel                        | 9  | 0 | 0 | 0 | 9 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Waltham Forest                        | Chingford Green                    | 4  | 0 | 0 | 0 | 0 | 0 | 0 | 4   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Waltham Forest                        | Hale End and Highams               | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Waltham Forest                        | Hatch Lane                         | 3  | 0 | 0 | 0 | 3 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Waltham Forest                        | Lea Bridge                         | 6  | 0 | 0 | 0 | 0 | 0 | 0 | 6   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Waltham Forest                        | Markhouse                          | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Waltham Forest                        | Wood Street                        | 3  | 0 | 0 | 0 | 3 | 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Watford                               | Central                            | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
|                 |         |                                       |                                    |    | - | 0 | - | - |   |   |     | 0   | - | - | 0 |      |
| Welwyn Hatfield | Northaw | Watford                               | Holywell                           | 3  | 0 | - | 0 | 0 | 0 | 0 | 3   | -   | 0 | 0 | - | 0 -1 |
| Welwyn Hatfield | Northaw | Watford                               | Tudor                              | 3  | 0 | 0 | 0 | 0 | 0 | 0 | 3   | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield                       | Brookmans Park and Little<br>Heath | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 18  | 6   | 0 | 3 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield                       | Haldens                            | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 8   | 0   | 0 | 0 | 3 | 0 -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield                       | Handside                           | 18 | 0 | 0 | 0 | 0 | 3 | 0 | 15  | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield                       | Hatfield Central                   | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 7   | 3   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield                       | Hatfield East                      | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 18  | 0   | 0 | 0 | 0 | 0 -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield                       | Hatfield North                     | 9  | 0 | 0 | 0 | 0 | 0 | 0 | 9   | 0   | 0 | 0 | 0 | 0 -1 |
| ,               | 1 2     | , , , , , , , , , , , , , , , , , , , | 1 1 1 1 1 1                        |    |   |   |   |   |   |   | - 1 | - 1 |   |   |   |      |

| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Hatfield West                  | 10  | 0   | 0 | 0 | 0  | 0 | 0  | 7   | 0  | 0 | 0 | 3  | 0 | -1 |
|-----------------|---------|------------------------|--------------------------------|-----|-----|---|---|----|---|----|-----|----|---|---|----|---|----|
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Hollybush                      | 3   | 0   | 0 | 0 | 0  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Howlands                       | 8   | 0   | 0 | 0 | 0  | 0 | 0  | 8   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Northaw                        | 602 | 321 | 0 | 3 | 13 | 6 | 15 | 181 | 11 | 3 | 0 | 46 | 3 | -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Peartree                       | 25  | 0   | 0 | 0 | 0  | 0 | 0  | 19  | 3  | 0 | 0 | 3  | 0 | -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Welham Green                   | 20  | 0   | 0 | 0 | 0  | 0 | 0  | 20  | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Welwyn North                   | 3   | 0   | 0 | 0 | 0  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Welwyn Hatfield        | Welwyn South                   | 3   | 0   | 0 | 0 | 0  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | Bryanston and Dorset<br>Square | 6   | 0   | 0 | 0 | 6  | 0 | 0  | 0   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | Hyde Park                      | 6   | 0   | 0 | 3 | 3  | 0 | 0  | 0   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | Knightsbridge and Belgravia    | 6   | 0   | 0 | 0 | 3  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | Marylebone High Street         | 11  | 0   | 0 | 0 | 11 | 0 | 0  | 0   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | Regent's Park                  | 6   | 0   | 0 | 0 | 3  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | St James's                     | 41  | 0   | 0 | 8 | 30 | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Westminster            | West End                       | 43  | 0   | 0 | 5 | 29 | 0 | 0  | 6   | 0  | 3 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Windsor and Maidenhead | Cox Green                      | 3   | 0   | 0 | 0 | 0  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |
| Welwyn Hatfield | Northaw | Wokingham              | Bulmershe and Whitegates       | 3   | 0   | 0 | 0 | 0  | 0 | 0  | 3   | 0  | 0 | 0 | 0  | 0 | -1 |

## **APPENDIX N**

**Survey Data** 

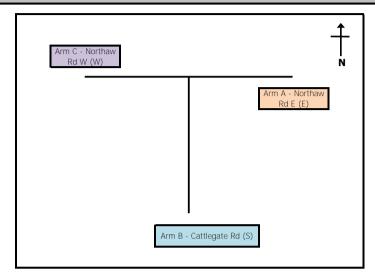
# 



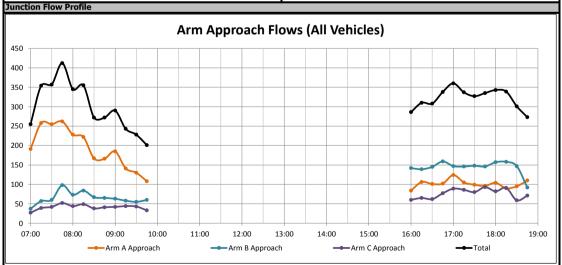
Date of Survey: 10.07.2014
Junction Name: Northaw Rd/ Cattlegate Rd
Junction Type: T-Junction

| X Coordinate           | Y Coordinate       | Google Maps Link |  |
|------------------------|--------------------|------------------|--|
| 51.699627              | -0.12336           | Click Here       |  |
| AM Peak Conditions     | PM Peak Conditions |                  |  |
| Dry and Clear          | Dry and Clear      |                  |  |
| Town add and I account |                    |                  |  |

Junction Layout







Additional Notes (Factors which may impact on survey results such as accidents, roadworks, special events):



ID02010 Junction Name: Northaw Rd/ Cattlegate Rd

Arm A: Northaw Rd E (E) Arm C: Northaw Rd W (W) Arm B: Cattlegate Rd (S) Junction Number: Site 1 Junction Type: T-Junction



|                |      |     |      | A           | to A  |     |       |       |            |          |      | At          | :o C  |     |       |            |            |            |      | At          | ю В   |     |       |            |
|----------------|------|-----|------|-------------|-------|-----|-------|-------|------------|----------|------|-------------|-------|-----|-------|------------|------------|------------|------|-------------|-------|-----|-------|------------|
| Time           | Cars | LGV | OGV1 | OGV2        | Buses | M/C | Cycle | Total | Cars       | LGV      | OGV1 | OGV2        | Buses | M/C | Cycle | Total      | Cars       | LGV        | OGV1 | OGV2        | Buses | M/C | Cycle | Total      |
| 07:00          |      |     |      |             |       |     |       | 0     | 34         | 22       | 2    | 0           | 0     | 0   | 0     | 58         | 91         | 40         | 0    | 0           | 0     | 0   | 2     | 133        |
| 07:15          |      |     |      |             |       |     |       | 0     | 38         | 12       | 0    | 0           | 1     | 0   | 2     | 53         | 158        | 45         | 1    | 0           | 0     | 1   | 0     | 205        |
| 07:30          |      |     |      |             |       |     |       | 0     | 41         | 10       | 0    | 0           | 2     | 0   | 0     | 53         | 156        | 42         | 3    | 0           | 0     | 1   | 0     | 202        |
| 07:45          |      |     |      |             |       |     |       | 0     | 20         | 18       | 0    | 0           | 1     | 1   | 0     | 40         | 173        | 47         | 1    | 0           | 0     | 1   | 0     | 222        |
| 08:00          |      |     |      |             |       |     |       | 0     | 17         | 5        | 1    | 0           | 0     | 1   | 0     | 24         | 185        | 18         | 1    | 0           | 0     | 0   | 0     | 204        |
| 08:15          |      |     |      |             |       |     |       | 0     | 25         | 4        | 2    | 0           | 0     | 1   | 0     | 32         | 170        | 15         | 3    | 0           | 0     | 0   | 2     | 190        |
| 08:30          |      |     |      |             |       |     |       | 0     | 21         | 8        | 3    | 0           | 0     | 0   | 0     | 32         | 119        | 12         | 3    | 1           | 0     | 0   | 0     | 135        |
| 08:45<br>09:00 |      |     |      |             |       |     |       | 0     | 33<br>31   | 6<br>5   | 1 0  | 0           | 1 0   | 0   | 0     | 41<br>37   | 109<br>127 | 16<br>20   | 0    | 0           | 0     | 0   | 0     | 125<br>148 |
| 09:00          |      |     |      |             |       |     |       | 0     | 31         | 2        | 0    | 0           | 1     | 0   | 0     | 34         | 96         | 10         | 1    | 0           | 0     | 0   | 0     | 148        |
| 09:30          |      |     |      |             |       |     |       | 0     | 20         | 1        | 0    | 1           | 0     | 0   | 0     | 25         | 94         | 9          | 1    | 0           | 0     | 1   | 0     | 107        |
| 09:45          |      |     |      |             |       |     |       | 0     | 17         | 8        | 1    | 0           | 0     | 0   | 0     | 26         | 68         | 12         | 1    | 0           | 0     | 1   | 0     | 82         |
| 07.43          |      |     |      |             |       |     |       | 0     | - 17       | 0        |      | 0           | 0     | -   | 0     | 20         | 00         | 12         | '    | 0           | 0     |     | 0     | 02         |
| 16:00          |      |     |      |             |       |     |       | 0     | 23         | 2        | 0    | 0           | 0     | 0   | 0     | 25         | 47         | 10         | 1    | 1           | 0     | 0   | 0     | 59         |
| 16:15          |      |     |      |             |       |     |       | 0     | 22         | 7        | 1    | 0           | 0     | 0   | 0     | 30         | 63         | 13         | 0    | 0           | 0     | 0   | 0     | 76         |
| 16:30          |      |     |      |             |       |     |       | 0     | 18         | 3        | 0    | 0           | 1     | 1   | 0     | 23         | 65         | 13         | 0    | 0           | 0     | 0   | 0     | 78         |
| 16:45          |      |     |      |             |       |     |       | 0     | 21         | 3        | 0    | 0           | 0     | 0   | 0     | 24         | 67         | 9          | 2    | 0           | 0     | 0   | 0     | 78         |
| 17:00          |      |     |      |             |       |     |       | 0     | 34         | 3        | 2    | 0           | 0     | 0   | 0     | 39         | 75         | 10         | 0    | 0           | 0     | 0   | 0     | 85         |
| 17:15          |      |     |      |             |       |     |       | 0     | 24         | 0        | 1    | 0           | 0     | 0   | 0     | 25         | 72         | 8          | 0    | 0           | 0     | 0   | 0     | 80         |
| 17:30          |      |     |      |             |       |     |       | 0     | 16         | 4        | 0    | 0           | 0     | 0   | 0     | 20         | 69         | 8          | 1    | 0           | 0     | 1   | 0     | 79         |
| 17:45          |      |     |      |             |       |     |       | 0     | 28         | 3        | 0    | 0           | 1     | 0   | 0     | 32         | 54         | 7          | 1    | 1           | 0     | 1   | 0     | 64         |
| 18:00          |      |     |      |             |       |     |       | 0     | 27         | 3        | 0    | 0           | 0     | 0   | 0     | 30         | 69         | 5          | 0    | 0           | 0     | 0   | 0     | 74         |
| 18:15          |      |     |      |             |       |     |       | 0     | 22         | 1        | 0    | 0           | 0     | 0   | 0     | 23         | 53         | 13         | 0    | 0           | 0     | 0   | 1     | 67         |
| 18:30          |      |     |      |             |       |     |       | 0     | 27         | 1        | 0    | 0           | 0     | 0   | 0     | 28         | 63         | 4          | 0    | 0           | 0     | 0   | 0     | 67         |
| 18:45          |      |     | L    |             |       |     |       | 0     | 38         | 2        | 0    | 0           | 1     | 0   | 0     | 41         | 60         | 9          | 0    | 0           | 0     | 0   | 0     | 69         |
| Start Time     | 0    |     | _    | Rolling Hou |       |     |       | Total | 400        | - 10     |      | Rolling Hou | 1     |     | 11 0  | Total      | F70        | 474        | I    | Rolling Hou | I     | -   | _     | Total      |
| 07:00          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 133<br>116 | 62<br>45 |      | 0           | 4     | 1   | 2     | 204        | 578        | 174        | 5    | 0           | 0     | 3   | 0     | 762        |
| 07:15<br>07:30 | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 103        | 37       | 3    | 0           | 3     | 3   | 0     | 170<br>149 | 672<br>684 | 152<br>122 | 8    | 0           | 0     | 2   | 2     | 833<br>818 |
| 07:45          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 83         | 35       | 6    | 0           | 1     | 3   | 0     | 128        | 647        | 92         | 8    | 1           | 0     | 1   | 2     | 751        |
| 08:00          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 96         | 23       | 7    | 0           | 1     | 2   | 0     | 129        | 583        | 61         | 7    | 1           | 0     | 0   | 2     | 654        |
| 08:15          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 110        | 23       | 6    | 1           | 1     | 1   | 0     | 142        | 525        | 63         | 6    | 1           | 0     | 1   | 2     | 598        |
| 08:30          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 116        | 21       | 4    | 1           | 2     | 0   | 0     | 144        | 451        | 58         | 4    | 1           | 0     | 1   | 0     | 515        |
| 08:45          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 115        | 17       | 1    | 2           | 2     | 0   | 0     | 137        | 426        | 55         | 2    | 0           | 0     | 2   | 0     | 485        |
| 09:00          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 99         | 19       | 1    | 2           | 1     | 0   | 0     | 122        | 385        | 51         | 3    | 0           | 0     | 3   | 0     | 442        |
|                |      |     |      |             |       |     |       |       |            |          |      |             |       |     |       |            |            |            |      |             |       |     |       |            |
| 16:00          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 84         | 15       | 1    | 0           | 1     | 1   | 0     | 102        | 242        | 45         | 3    | 1           | 0     | 0   | 0     | 291        |
| 16:15          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 95         | 16       | 3    | 0           | 1     | 1   | 0     | 116        | 270        | 45         | 2    | 0           | 0     | 0   | 0     | 317        |
| 16:30          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 97         | 9        | 3    | 0           | 1     | 1   | 0     | 111        | 279        | 40         | 2    | 0           | 0     | 0   | 0     | 321        |
| 16:45          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 95         | 10       | 3    | 0           | 0     | 0   | 0     | 108        | 283        | 35         | 3    | 0           | 0     | 1   | 0     | 322        |
| 17:00          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 102        | 10       | 3    | 0           | 1     | 0   | 0     | 116        | 270        | 33         | 2    | 1           | 0     | 2   | 0     | 308        |
| 17:15          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 95         | 10       | 1    | 0           | 1     | 0   | 0     | 107        | 264        | 28         | 2    | 1           | 0     | 2   | 0     | 297        |
| 17:30          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 93         | 11       | 0    | 0           | 1     | 0   | 0     | 105        | 245        | 33         | 2    | 1           | 0     | 2   | 1     | 284        |
| 17:45          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 104        | 8        | 0    | 0           | 1     | 0   | 0     | 113        | 239        | 29         | 1    | 1           | 0     | 1   | 1     | 272        |
| 18:00          | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 114        | /        | 0    | 0           | 11    | 0   | 0     | 122        | 245        | 31         | 0    | 0           | 0     | 0   | 1     | 277        |

Client: Project Number: Vectos Date of Survey: 10.07.2014

ID02010 Junction Name: Northaw Rd/ Cattlegate Rd

Arm A: Northaw Rd E (E) Arm C: Northaw Rd W (W) Arm B: Cattlegate Rd (S) Junction Number: Site 1 Junction Type: T-Junction



|                     |      |     |          | В          | to B     |          |       |       |            |          |      | Bi               | to A  |     |       |                      |          |     |          | Bi               | to C |     |       |             |
|---------------------|------|-----|----------|------------|----------|----------|-------|-------|------------|----------|------|------------------|-------|-----|-------|----------------------|----------|-----|----------|------------------|------|-----|-------|-------------|
| Time                | Cars | LGV | OGV1     |            | Buses    | M/C      | Cvcle | Total | Cars       | LGV      | OGV1 |                  | Buses | M/C | Cycle | Total                | Cars     | LGV | OGV1     | OGV2             |      | M/C | Cycle | Total       |
| 07:00               |      |     |          |            |          |          |       | 0     | 17         | 11       | 0    | 0                | 0     | 0   | 0     | 28                   | 7        | 2   | 0        | 0                | 0    | 0   | 0     | 9           |
| 07:15               |      |     |          |            |          |          |       | 0     | 27         | 9        | 0    | 0                | 0     | 0   | 0     | 36                   | 19       | 2   | 0        | 0                | 0    | 0   | 0     | 21          |
| 07:30               |      |     |          |            |          |          |       | 0     | 24         | 10       | 0    | 0                | 0     | 0   | 0     | 34                   | 22       | 4   | 0        | 0                | 0    | 0   | 0     | 26          |
| 07:45               |      |     |          |            |          |          |       | 0     | 45         | 12       | 0    | 0                | 0     | 0   | 0     | 57                   | 33       | 6   | 2        | 0                | 0    | 0   | 0     | 41          |
| 08:00               |      |     |          |            |          |          |       | 0     | 38         | 12       | 1    | 1                | 0     | 0   | 0     | 52                   | 15       | 6   | 0        | 0                | 0    | 0   | 0     | 21          |
| 08:15               |      |     |          |            |          |          |       | 0     | 40         | 16       | 1    | 0                | 0     | 0   | 1     | 58                   | 22       | 4   | 0        | 0                | 0    | 0   | 0     | 26          |
| 08:30               |      |     |          |            |          |          |       | 0     | 43         | 4        | 2    | 0                | 0     | 0   | 0     | 49                   | 14       | 3   | 1        | 0                | 0    | 0   | 0     | 18          |
| 08:45               |      |     |          |            |          |          |       | 0     | 36         | 10       | 2    | 0                | 0     | 1   | 0     | 45<br>47             | 19       | 3   | 0        | 1                | 0    | 0   | 0     | 20          |
| 09:00<br>09:15      |      |     |          |            |          |          |       | 0     | 35<br>34   | 10<br>8  | 0    | 0                | 1     | 0   | 0     | 47                   | 13<br>10 | 2   | 0        | 0                | 0    | 0   | 2     | 16<br>15    |
| 09:15               |      |     |          |            |          |          |       | 0     | 30         | 0        | 1    | 0                | 0     | 0   | 0     | 40                   | 13       | 1   | 1        | 0                | 0    | 0   | 0     | 15          |
| 09:45               |      |     |          |            |          |          |       | 0     | 42         | 6        | 0    | 0                | 0     | 0   | 0     | 48                   | 11       | 0   | 1        | 0                | 0    | 0   | 0     | 12          |
| 07.43               |      |     |          |            |          |          |       | 0     | 42         | U        | 0    | 0                | U     | U   |       | 40                   | - ''     | 0   | <u> </u> | 0                | 0    | 0   | 0     | 12          |
| 16:00               |      |     |          |            |          |          |       | 0     | 103        | 16       | 0    | 0                | 0     | 2   | 0     | 121                  | 14       | 6   | 1        | 0                | 0    | 0   | 0     | 21          |
| 16:15               |      |     |          |            |          |          |       | 0     | 85         | 32       | 1    | 0                | 0     | 0   | 0     | 118                  | 19       | 2   | 0        | 0                | 0    | 0   | 0     | 21          |
| 16:30               |      |     |          |            |          |          |       | 0     | 85         | 36       | 3    | 0                | 0     | 0   | 0     | 124                  | 18       | 3   | 0        | 0                | 0    | 0   | 0     | 21          |
| 16:45               |      |     |          |            |          |          |       | 0     | 103        | 34       | 0    | 1                | 0     | 0   | 0     | 138                  | 17       | 4   | 0        | 0                | 0    | 0   | 0     | 21          |
| 17:00               |      |     |          |            |          |          |       | 0     | 108        | 14       | 0    | 0                | 0     | 0   | 1     | 123                  | 19       | 3   | 1        | 0                | 0    | 0   | 1     | 24          |
| 17:15               |      |     |          |            |          |          |       | 0     | 101        | 27       | 0    | 0                | 0     | 1   | 0     | 129                  | 14       | 2   | 0        | 0                | 1    | 0   | 0     | 17          |
| 17:30               |      |     |          |            |          |          |       | 0     | 112        | 23       | 0    | 0                | 0     | 0   | 0     | 135                  | 11       | 2   | 0        | 0                | 0    | 0   | 0     | 13          |
| 17:45               |      |     |          |            |          |          |       | 0     | 110        | 21       | 0    | 0                | 0     | 0   | 1     | 132                  | 11       | 2   | 1        | 0                | 0    | 0   | 0     | 14          |
| 18:00               |      |     |          |            |          |          |       | 0     | 124        | 15       | 0    | 0                | 0     | 0   | 0     | 139                  | 15       | 3   | 0        | 0                | 0    | 0   | 0     | 18          |
| 18:15               |      |     |          |            |          |          |       | 0     | 127        | 15       | 0    | 0                | 0     | 0   | 0     | 142                  | 16       | 0   | 0        | 0                | 0    | 0   | 0     | 16          |
| 18:30               |      |     |          |            |          |          |       | 0     | 114        | 14       | 0    | 0                | 0     | 0   | 0     | 128                  | 19       | 0   | 0        | 0                | 0    | 0   | 0     | 19          |
| 18:45<br>Start Time |      |     | <u> </u> | Rolling Ho | <u> </u> | <u> </u> |       | Total | 68         | 9        | 0    | O<br>Rolling Hou | 0     | 0   | 0     | 77<br>Total          | 12       | 2   | 0        | 0<br>Rolling Hou | 0    | 0   | 1     | 15<br>Total |
| 07:00               | 0    | 0   | 0        |            | 0        | 0        | 0     | O     | 113        | 42       | 0    |                  | 0     | 0   | 0     | 1 <b>0tai</b><br>155 | 81       | 14  | 2        |                  | 0    | 0   | 0     | 97          |
| 07:00               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 134        | 43       | 1    | 1                | 0     | 0   | 0     | 179                  | 89       | 18  | 2        | 0                | 0    | 0   | 0     | 109         |
| 07:30               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 147        | 50       | 2    | 1                | 0     | 0   | 1     | 201                  | 92       | 20  | 2        | 0                | 0    | 0   | 0     | 114         |
| 07:45               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 166        | 44       | 4    | 1                | 0     | 0   | 1     | 216                  | 84       | 19  | 3        | 0                | 0    | 0   | 0     | 106         |
| 08:00               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 157        | 39       | 5    | 1                | 0     | 1   | 1     | 204                  | 70       | 13  | 1        | 1                | 0    | 0   | 0     | 85          |
| 08:15               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 154        | 37       | 6    | 0                | 0     | 1   | 1     | 199                  | 68       | 10  | 1        | 1                | 0    | 0   | 0     | 80          |
| 08:30               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 148        | 29       | 5    | 0                | 1     | 1   | 0     | 184                  | 56       | 8   | 1        | 2                | 0    | 0   | 2     | 69          |
| 08:45               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 135        | 34       | 4    | 0                | 1     | 1   | 0     | 175                  | 55       | 6   | 1        | 2                | 0    | 0   | 2     | 66          |
| 09:00               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 141        | 33       | 3    | 0                | 1     | 0   | 0     | 178                  | 47       | 6   | 2        | 1                | 0    | 0   | 2     | 58          |
|                     |      |     |          |            |          |          |       |       |            |          |      |                  |       |     |       |                      |          |     |          |                  |      |     |       |             |
| 16:00               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 376        | 118      | 4    | 1                | 0     | 2   | 0     | 501                  | 68       | 15  | 1        | 0                | 0    | 0   | 0     | 84          |
| 16:15               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 381        | 116      | 4    | 1                | 0     | 0   | 1     | 503                  | 73       | 12  | 1        | 0                | 0    | 0   | 1     | 87          |
| 16:30               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 397        | 111      | 3    | 1                | 0     | 1   | 1     | 514                  | 68       | 12  | 1        | 0                | 1    | 0   | 1     | 83          |
| 16:45               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 424        | 98       | 0    | 1                | 0     | 1   | 1     | 525                  | 61       | 11  | 1        | 0                | 1    | 0   | 1     | 75          |
| 17:00               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 431        | 85       | 0    | 0                | 0     | 1   | 2     | 519                  | 55       | 9   | 2        | 0                | 1    | 0   | 1     | 68          |
| 17:15               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 447        | 86       | 0    | 0                | 0     | 1   | 1     | 535                  | 51       | 9   | 1        | 0                | 1    | 0   | 0     | 62          |
| 17:30               | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 473        | 74       | 0    | 0                | 0     | 0   | 1     | 548                  | 53       | 7   | 1        | 0                | 0    | 0   | 0     | 61          |
| 17:45<br>18:00      | 0    | 0   | 0        | 0          | 0        | 0        | 0     | 0     | 475<br>433 | 65<br>53 | 0    | 0                | 0     | 0   | 1     | 541<br>486           | 61       | 5   | 1        | 0                | 0    | 0   | 0     | 67<br>68    |
| 18:00               | U    | U   | U        | U          | U        | U        | U     | U     | 433        | 53       | U    | U                | U     | U   | U     | 480                  | 02       | 5   | U        | U                | U    | U   |       | 08          |



ID02010 Junction Name: Northaw Rd/ Cattlegate Rd

Arm A: Northaw Rd E (E) Arm C: Northaw Rd W (W) Arm B: Cattlegate Rd (S) Junction Number: Site 1 Junction Type: T-Junction



|                     |      |     |      | Ci          | to C     |     |       |            |           |          |      | Ci          | to B  |     |       |             |            |          |      | Ct               | :o A |     |       |             |
|---------------------|------|-----|------|-------------|----------|-----|-------|------------|-----------|----------|------|-------------|-------|-----|-------|-------------|------------|----------|------|------------------|------|-----|-------|-------------|
| Time                | Cars | LGV | OGV1 | OGV2        |          | M/C | Cvcle | Total      | Cars      | LGV      | OGV1 |             | Buses | M/C | Cycle | Total       | Cars       | LGV      | OGV1 | OGV2             |      | M/C | Cvcle | Total       |
| 07:00               |      |     |      |             |          |     |       | 0          | 11        | 3        | 0    | 0           | 0     | 0   | 0     | 14          | 8          | 3        | 2    | 0                | 0    | 0   | 0     | 13          |
| 07:15               |      |     |      |             |          |     |       | 0          | 12        | 4        | 0    | 0           | 1     | 0   | 0     | 17          | 15         | 4        | 1    | 0                | 2    | 0   | 0     | 22          |
| 07:30               |      |     |      |             |          |     |       | 0          | 22        | 4        | 0    | 0           | 0     | 0   | 0     | 26          | 12         | 1        | 1    | 1                | 1    | 0   | 0     | 16          |
| 07:45               |      |     |      |             |          |     |       | 0          | 27        | 3        | 2    | 0           | 0     | 0   | 0     | 32          | 16         | 3        | 0    | 0                | 1    | 0   | 0     | 20          |
| 08:00               |      |     |      |             |          |     |       | 0          | 17        | 3        | 0    | 0           | 0     | 0   | 0     | 20          | 17         | 7        | 0    | 0                | 0    | 0   | 0     | 24          |
| 08:15               |      |     |      |             |          |     |       | 0          | 17        | 5        | 1    | 1           | 0     | 0   | 0     | 24          | 21         | 2        | 2    | 0                | 0    | 0   | 0     | 25          |
| 08:30               |      |     |      |             | -        |     |       | 0          | 16        | 2        | 1    | 0           | 0     | 0   | 0     | 19          | 19         | 0        | 0    | 0                | 0    | 0   | 0     | 19          |
| 08:45               |      |     |      |             |          |     |       | 0          | 21        | 1        | 0    | 0           | 0     | 0   | 0     | 22          | 15         | 4        | 0    | 0                | 0    | 0   | 0     | 19          |
| 09:00<br>09:15      |      |     |      |             |          |     |       | 0          | 18<br>20  | 3        | 0    | 0           | 0     | 0   | 0     | 20          | 18<br>16   | 2<br>5   | 0    | 0                | 0    | 0   | 0     | 22<br>21    |
| 09:15               |      |     |      |             | -        |     |       | 0          | 15        | 0        | 1    | 0           | 0     | 0   | 0     | 16          | 16         | 9        | 1    | 0                | 1    | 0   | 0     | 27          |
| 09:30               |      |     |      |             | -        |     |       | 0          | 9         | 4        | 0    | 0           | 0     | 0   | 0     | 13          | 13         | 3        | 4    | 0                | 0    | 0   | 0     | 20          |
| 09.45               |      |     |      |             |          |     |       | U          | 7         | 4        | 0    | U           | - 0   | U   | U     | 13          | 13         | 3        | 4    | U                | - 0  | 0   | U     | 20          |
| 16:00               |      |     |      |             |          |     |       | 0          | 10        | 3        | 1    | 0           | 0     | 0   | 0     | 14          | 37         | 6        | 2    | 0                | 1    | 0   | 0     | 46          |
| 16:15               |      |     |      |             |          |     |       | 0          | 17        | 9        | 0    | 0           | 0     | 0   | 0     | 26          | 28         | 10       | 0    | 0                | 1    | 0   | 0     | 39          |
| 16:30               |      |     |      |             |          |     |       | 0          | 13        | 5        | 0    | 0           | 0     | 0   | 0     | 18          | 30         | 13       | 0    | 0                | 0    | 1   | 0     | 44          |
| 16:45               |      |     |      |             |          |     |       | 0          | 30        | 3        | 0    | 0           | 0     | 0   | 0     | 33          | 34         | 7        | 2    | 0                | 0    | 0   | 1     | 44          |
| 17:00               |      |     |      |             |          |     |       | 0          | 27        | 5        | 0    | 1           | 0     | 0   | 0     | 33          | 47         | 8        | 0    | 0                | 0    | 0   | 1     | 56          |
| 17:15               |      |     |      |             |          |     |       | 0          | 20        | 3        | 0    | 0           | 0     | 0   | 0     | 23          | 50         | 12       | 0    | 0                | 0    | 1   | 0     | 63          |
| 17:30               |      |     |      |             |          |     |       | 0          | 25        | 3        | 0    | 0           | 0     | 0   | 0     | 28          | 42         | 6        | 2    | 0                | 1    | 1   | 0     | 52          |
| 17:45               |      |     |      |             |          |     |       | 0          | 23        | 3        | 0    | 0           | 0     | 0   | 0     | 26          | 54         | 13       | 0    | 0                | 0    | 0   | 0     | 67          |
| 18:00               |      |     |      |             |          |     |       | 0          | 29        | 2        | 0    | 0           | 0     | 0   | 0     | 31          | 41         | 9        | 1    | 0                | 0    | 0   | 0     | 51          |
| 18:15               |      |     |      |             |          |     |       | 0          | 33        | 2        | 0    | 0           | 0     | 0   | 0     | 35          | 49         | 5        | 2    | 0                | 0    | 0   | 0     | 56          |
| 18:30               |      |     |      |             |          |     |       | 0          | 17        | 3        | 1    | 0           | 0     | 0   | 0     | 21          | 33         | 3        | 1    | 0                | 1    | 0   | 0     | 38          |
| 18:45<br>Start Time | 1    |     |      | Rolling Hou | <u> </u> |     |       | O<br>Total | 26        | 4        | 0    | Rolling Hou | 0     | 0   | 0     | 30          | 34         | 7        | 0    | 0<br>Rolling Hou | 0    | 0   | 0     | 41<br>Total |
| 07:00               | 0    | 0   | 0    |             | 0        | 0   | 0     | 0 O        | 72        | 14       | 2    |             | 1 1   | 0   | 0     | Total<br>89 | 51         | 11       | 4    | Tolling Hot      | Δ    | 0   | 0     | 71          |
| 07:00               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 78        | 14       | 2    | 0           | 1     | 0   | 0     | 95          | 60         | 15       | 2    | 1                | 4    | 0   | 0     | 82          |
| 07:30               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 83        | 15       | 3    | 1           | 0     | 0   | 0     | 102         | 66         | 13       | 3    | 1                | 2    | 0   | 0     | 85          |
| 07:45               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 77        | 13       | 4    | 1           | 0     | 0   | 0     | 95          | 73         | 12       | 2    | 0                | 1    | 0   | 0     | 88          |
| 08:00               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 71        | 11       | 2    | 1           | 0     | 0   | 0     | 85          | 72         | 13       | 2    | 0                | 0    | 0   | 0     | 87          |
| 08:15               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 72        | 10       | 2    | 1           | 0     | 0   | 0     | 85          | 73         | 8        | 2    | 0                | 1    | 1   | 0     | 85          |
| 08:30               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 75        | 8        | 1    | 0           | 0     | 0   | 0     | 84          | 68         | 11       | 0    | 0                | 1    | 1   | 0     | 81          |
| 08:45               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 74        | 6        | 1    | 0           | 0     | 0   | 0     | 81          | 65         | 20       | 1    | 0                | 2    | 1   | 0     | 89          |
| 09:00               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 62        | 9        | 1    | 0           | 0     | 0   | 0     | 72          | 63         | 19       | 5    | 0                | 2    | 1   | 0     | 90          |
|                     |      |     |      |             |          |     |       |            |           |          |      |             |       |     |       |             |            |          |      |                  |      |     |       |             |
| 16:00               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 70        | 20       | 1    | 0           | 0     | 0   | 0     | 91          | 129        | 36       | 4    | 0                | 2    | 1   | 1     | 173         |
| 16:15               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 87        | 22       | 0    | 1           | 0     | 0   | 0     | 110         | 139        | 38       | 2    | 0                | 1    | 1   | 2     | 183         |
| 16:30               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 90        | 16       | 0    | 1           | 0     | 0   | 0     | 107         | 161        | 40       | 2    | 0                | 0    | 2   | 2     | 207         |
| 16:45               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 102       | 14       | 0    | 1           | 0     | 0   | 0     | 117         | 173        | 33       | 4    | 0                | 1    | 2   | 2     | 215         |
| 17:00               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 95        | 14       | 0    | 1           | 0     | 0   | 0     | 110         | 193        | 39       | 2    | 0                | 1    | 2   | 1     | 238         |
| 17:15               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 97<br>110 | 11       | 0    | 0           | 0     | 0   | 0     | 108<br>120  | 187<br>186 | 40<br>33 | 5    | 0                | 1    | 2   | 0     | 233         |
| 17:30               | 0    | 0   | 0    | 0           | 0        | 0   | 0     | 0          | 102       | 10<br>10 | 1    | 0           | 0     | 0   | 0     | 113         | 186        | 33       | 4    | 0                | 1    | 0   | 0     | 226<br>212  |
| 17:45               |      |     |      |             |          |     |       |            |           |          |      |             |       |     |       |             |            |          |      |                  |      |     |       | 1 / 1/      |



ID02010 Junction Name: Northaw Rd/ Cattlegate Rd T-Junction

Junction Number: Site 1 Junction Type:



|                |          |          |      | Arm A A     | pproach |     |       |            |            |          |      | Arm         | A Exit |     |       |            |
|----------------|----------|----------|------|-------------|---------|-----|-------|------------|------------|----------|------|-------------|--------|-----|-------|------------|
| Time           | Cars     | LGV      | OGV1 | OGV2        | Buses   | M/C | Cycle | Total      | Cars       | LGV      | OGV1 | OGV2        | Buses  | M/C | Cycle | Total      |
| 07:00          | 125      | 62       | 2    | 0           | 0       | 0   | 2     | 191        | 25         | 14       | 2    | 0           | 0      | 0   | 0     | 41         |
| 07:15          | 196      | 57       | 1    | 0           | 1       | 1   | 2     | 258        | 42         | 13       | 1    | 0           | 2      | 0   | 0     | 58         |
| 07:30          | 197      | 52       | 3    | 0           | 2       | 1   | 0     | 255        | 36         | 11       | 1    | 1           | 1      | 0   | 0     | 50         |
| 07:45          | 193      | 65       | 1    | 0           | 1       | 2   | 0     | 262        | 61         | 15       | 0    | 0           | 1      | 0   | 0     | 77         |
| 08:00          | 202      | 23       | 2    | 0           | 0       | 1   | 0     | 228        | 55         | 19       | 1    | 1           | 0      | 0   | 0     | 76         |
| 08:15          | 195      | 19       | 5    | 0           | 0       | 1   | 2     | 222        | 61         | 18       | 3    | 0           | 0      | 0   | 1     | 83         |
| 08:30          | 140      | 20       | 6    | 1           | 0       | 0   | 0     | 167        | 62         | 4        | 2    | 0           | 0      | 0   | 0     | 68         |
| 08:45          | 142      | 22       | 1    | 0           | 1       | 0   | 0     | 166        | 51         | 11       | 1    | 0           | 0      | 1   | 0     | 64         |
| 09:00          | 158      | 25       | 0    | 1           | 0       | 1   | 0     | 185        | 53         | 12       | 2    | 0           | 1      | 1   | 0     | 69         |
| 09:15          | 127      | 12       | 1    | 0           | 1       | 0   | 0     | 141        | 50         | 13       | 0    | 0           | 1      | 0   | 0     | 64         |
| 09:30          | 114      | 13       | 1    | 1           | 0       | 1   | 0     | 130        | 46         | 18       | 2    | 0           | 1      | 0   | 0     | 67         |
| 09:45          | 85       | 20       | 2    | 0           | 0       | 1   | 0     | 108        | 55         | 9        | 4    | 0           | 0      | 0   | 0     | 68         |
|                |          |          |      |             | _       |     |       |            |            |          |      |             |        |     | _     |            |
| 16:00          | 70       | 12       | 1    | 1           | 0       | 0   | 0     | 84         | 140        | 22       | 2    | 0           | 1      | 2   | 0     | 167        |
| 16:15          | 85       | 20       | 1    | 0           | 0       | 0   | 0     | 106        | 113        | 42       | 1    | 0           | 1      | 0   | 0     | 157        |
| 16:30          | 83       | 16       | 0    | 0           | 1       | 1   | 0     | 101        | 115        | 49       | 3    | 0           | 0      | 1   | 0     | 168        |
| 16:45          | 88       | 12<br>13 | 2    | 0           | 0       | 0   | 0     | 102<br>124 | 137<br>155 | 41<br>22 | 2    | 1           | 0      | 0   | '     | 182<br>179 |
| 17:00          | 109      |          | 2    | 0           | 0       | 0   | 0     |            |            |          | 0    | 0           | 0      | 0   | 2     |            |
| 17:15<br>17:30 | 96<br>85 | 8<br>12  | 1    | 0           | 0       | 0   | 0     | 105<br>99  | 151<br>154 | 39<br>29 | 2    | 0           | 0      | 2   | 0     | 192<br>187 |
| 17:30          | 82       | 10       | 1    | 1           | 1       | 1   | 0     | 96         | 164        | 34       | 0    | 0           | 0      | 0   | 1     | 199        |
| 18:00          | 96       | 8        | 0    | 0           | 0       | 0   | 0     | 104        | 165        | 24       | 1    | 0           | 0      | 0   | 0     | 199        |
| 18:15          | 75       | 14       | 0    | 0           | 0       | 0   | 1     | 90         | 176        | 20       | 2    | 0           | 0      | 0   | 0     | 198        |
| 18:30          | 90       | 5        | 0    | 0           | 0       | 0   | 0     | 95         | 147        | 17       | 1    | 0           | 1      | 0   | 0     | 166        |
| 18:45          | 98       | 11       | 0    | 0           | 1       | 0   | 0     | 110        | 102        | 16       | 0    | 0           | 0      | 0   | 0     | 118        |
| Start Time     | 70       |          |      | Rolling Hou |         | 0   |       | Total      | 102        | 10       |      | Rolling Hou |        |     |       | Total      |
| 07:00          | 711      | 236      | 7    | 0           | 4       | 4   | 4     | 966        | 164        | 53       | 4    | 1           | 4      | 0   | 0     | 226        |
| 07:15          | 788      | 197      | 7    | 0           | 4       | 5   | 2     | 1003       | 194        | 58       | 3    | 2           | 4      | 0   | 0     | 261        |
| 07:30          | 787      | 159      | 11   | 0           | 3       | 5   | 2     | 967        | 213        | 63       | 5    | 2           | 2      | 0   | 1     | 286        |
| 07:45          | 730      | 127      | 14   | 1           | 1       | 4   | 2     | 879        | 239        | 56       | 6    | 1           | 1      | 0   | 1     | 304        |
| 08:00          | 679      | 84       | 14   | 1           | 1       | 2   | 2     | 783        | 229        | 52       | 7    | 1           | 0      | 1   | 1     | 291        |
| 08:15          | 635      | 86       | 12   | 2           | 1       | 2   | 2     | 740        | 227        | 45       | 8    | 0           | 1      | 2   | 1     | 284        |
| 08:30          | 567      | 79       | 8    | 2           | 2       | 1   | 0     | 659        | 216        | 40       | 5    | 0           | 2      | 2   | 0     | 265        |
| 08:45          | 541      | 72       | 3    | 2           | 2       | 2   | 0     | 622        | 200        | 54       | 5    | 0           | 3      | 2   | 0     | 264        |
| 09:00          | 484      | 70       | 4    | 2           | 1       | 3   | 0     | 564        | 204        | 52       | 8    | 0           | 3      | 1   | 0     | 268        |
|                |          |          |      |             |         |     |       |            |            |          |      |             |        |     |       |            |
| 16:00          | 326      | 60       | 4    | 1           | 1       | 1   | 0     | 393        | 505        | 154      | 8    | 1           | 2      | 3   | 1     | 674        |
| 16:15          | 365      | 61       | 5    | 0           | 1       | 1   | 0     | 433        | 520        | 154      | 6    | 1           | 1      | 1   | 3     | 686        |
| 16:30          | 376      | 49       | 5    | 0           | 1       | 1   | 0     | 432        | 558        | 151      | 5    | 1           | 0      | 3   | 3     | 721        |
| 16:45          | 378      | 45       | 6    | 0           | 0       | 1   | 0     | 430        | 597        | 131      | 4    | 1           | 1      | 3   | 3     | 740        |
| 17:00          | 372      | 43       | 5    | 1           | 1       | 2   | 0     | 424        | 624        | 124      | 2    | 0           | 1      | 3   | 3     | 757        |
| 17:15          | 359      | 38       | 3    | 1           | 1       | 2   | 0     | 404        | 634        | 126      | 3    | 0           | 1      | 3   | 1     | 768        |
| 17:30          | 338      | 44       | 2    | 1           | 1       | 2   | 1     | 389        | 659        | 107      | 5    | 0           | 1      | 1   | 1     | 774        |
| 17:45          | 343      | 37       | 1    | 11          | 1       | 1   | 1     | 385        | 652        | 95       | 4    | 0           | 1      | 0   | 1     | 753        |
| 18:00          | 359      | 38       | 0    | 0           | 1       | 0   | 1     | 399        | 590        | 77       | 4    | 0           | 1      | 0   | 0     | 672        |

Client: Project Number: Vectos Date of Survey: 10.07.2014

ID02010 Junction Name: Northaw Rd/ Cattlegate Rd

Junction Number: Site 1 Junction Type: T-Junction



| Time   |                |       |     | B Exit | Arm |      |      |      |       |       |     | pproach | Arm B A |      |     |      |       |
|--|----------------|-------|-----|--------|-----|------|------|------|-------|-------|-----|---------|---------|------|-----|------|-------|
| 07:00  | ycle Total     | Cycle | M/C |        |     | OGV1 | LGV  | Cars | Total | Cycle | M/C |         |         | OGV1 | LGV | Cars | Time  |
| O7:16  | 2 147          |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 07:30         46         14         0         0         0         0         0         0         0         0         0         0         178         46         3         0         0         1           07:45         78         18         2         0         0         0         0         98         200         50         3         0         0         1           08:15         62         20         1         0         0         0         0         1         84         187         20         4         1         0 <td< td=""><td>0 222</td><td>0</td><td>1</td><td>1</td><td>0</td><td>1</td><td>49</td><td>170</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td></td><td>07:15</td></td<>   | 0 222          | 0     | 1   | 1      | 0   | 1    | 49   | 170  |       | 0     | 0   | 0       | 0       | 0    |     |      | 07:15 |
| 07:45  | 0 228          | 0     | 1   | 0      | 0   | 3    | 46   | 178  | 60    | 0     | 0   | 0       | 0       |      | 14  | 46   | 07:30 |
| 08:00   53   18   1   1   0   0   0   0   73   202   21   1   0   0   0   0   0   0   0   0  | 0 254          | 0     | 1   | 0      | 0   | 3    | 50   | 200  |       | 0     | 0   | 0       | 0       |      | 18  |      | 07:45 |
| OB-30  | 0 224          | 0     | 0   | 0      | 0   | 1    |      |      | 73    | 0     | 0   | 0       | 1       | 1    |     | 53   | 08:00 |
| OB   OB   OB   OB   OB   OB   OB   OB  | 2 214          | 2     | 0   | 0      | 1   | 4    | 20   | 187  | 84    | 1     | 0   | 0       | 0       | 1    | 20  | 62   | 08:15 |
| 09:00  | 0 154          | 0     | 0   | 0      | 1   | 4    | 14   | 135  | 67    | 0     | 0   | 0       | 0       | 3    | 7   | 57   | 08:30 |
| 09.15  | 0 147          | 0     | 0   | 0      | 0   | 0    | 17   | 130  | 65    | 0     | 1   | 0       | 1       | 1    | 7   | 55   | 08:45 |
| O9:30  | 0 168          | 0     | 1   | 0      | 0   | 0    | 22   | 145  |       | 0     | 0   | 0       | 0       | 2    | 13  | 48   | 09:00 |
| 09:45  | 0 130          | 0     | 0   | 0      | 0   | 1    | 13   | 116  |       | 2     | 0   | 1       | 1       | 0    | 10  | 44   | 09:15 |
| 16:00  | 0 121          | 0     | 1   | 0      | 0   | 2    | 9    | 109  | 55    | 0     | 0   | 0       | 0       | 2    | 10  | 43   | 09:30 |
| 16:15  | 0 95           | 0     | 1   | 0      | 0   | 1    | 16   | 77   | 60    | 0     | 0   | 0       | 0       | 1    | 6   | 53   | 09:45 |
| 16:15  |                |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 16:30  | 0 73           |       |     |        |     |      |      |      |       |       |     |         |         | 1    |     |      |       |
| 16:45  | 0 102          |       |     | 0      | 0   | 0    |      |      |       | 0     | 0   | 0       | 0       |      |     | 104  | 16:15 |
| 17:00  | 0 96           |       |     | 0      |     |      |      |      |       |       |     |         | 0       |      |     |      |       |
| 17:15  | 0 111          |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 17:30  | 0 118          |       |     |        |     |      |      |      |       |       |     | 0       |         |      |     |      |       |
| 17:45  | 0 103          |       |     | -      | _   | 0    |      |      |       | -     |     | 1       |         |      |     |      |       |
| 18:00  | 0 107          |       | 1   |        | 0   | 1    |      |      |       | 0     |     |         |         | 0    |     |      |       |
| 18:15  | 0 90           |       | 1   | -      | 1   | 1    |      |      |       | 1     |     |         |         | 1    |     |      |       |
| 18:30         133         14         0         0         0         0         0         147         80         7         1         0         1         3         0         0         1         3         0         0         1         3         0         0         1         3         0 <th< td=""><td>0 105</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>               | 0 105          | 0     |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 18:45   80   | 1 102          | 1     |     |        |     | 0    |      |      |       |       |     |         |         |      |     |      |       |
| Start Time         Rolling Hour         Total         Rolling Hour           07:00         194         56         2         0         0         0         0         252         650         188         7         0         1         3           07:15         223         61         3         1         0         0         0         288         750         166         8         0         1         3         0         1         3         0         1         3         0         1         3         0         1         3         0         1         3         0         1         3         0         0         1         3         0         0         1         3         0         0         1         3         0         0         1         3         0         0         1         3         0         0         1         3         0         0         1         3         1         0         0         1         3         2         0         1         1         0         0         1         3         2         0         1         1         0         0         1         3         2 <td>0 88</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> | 0 88           |       |     |        |     | 1    |      |      |       |       |     |         | -       |      |     |      |       |
| 07:00         194         56         2         0         0         0         0         252         650         188         7         0         1         3           07:15         223         61         3         1         0         0         0         288         750         166         8         0         1         3           07:30         239         70         4         1         0         0         1         315         767         137         11         1         0         2           07:45         250         63         7         1         0         0         1         322         724         105         12         2         0         1           08:00         227         52         6         2         0         1         1         289         654         72         9         2         0         0           08:15         222         47         7         1         0         1         1         279         597         73         8         2         0         1           08:30         204         37         6         2         1   | 0 99           | 0     | 0   |        |     |      | 13   | 86   |       | 11    | 0   |         |         |      | 11  | 80   |       |
| 07:15         223         61         3         1         0         0         0         288         750         166         8         0         1         3           07:30         239         70         4         1         0         0         1         315         767         137         11         1         0         2           08:00         227         52         6         2         0         1         322         724         105         12         2         0         1           08:00         227         52         6         2         0         1         1         289         654         72         9         2         0         0           08:15         222         47         7         1         0         1         1         279         597         73         8         2         0         1           08:30         204         37         6         2         1         1         2         253         526         66         5         1         0         1           09:00         188         39         5         1         1         0         2  | Total          |       | ı . |        |     |      |      |      |       | _     |     |         |         |      |     |      |       |
| 07:30         239         70         4         1         0         0         1         315         767         137         11         1         0         2           07:45         250         63         7         1         0         0         1         322         724         105         12         2         0         1           08:00         227         52         6         2         0         1         1         289         654         72         9         2         0         0         0           08:15         222         47         7         1         0         1         1         279         597         73         8         2         0         1           08:30         204         37         6         2         1         1         2         253         526         66         5         1         0         1           08:45         190         40         5         2         1         1         2         241         500         61         3         0         0         2           09:00         188         39         5         1         1<  | 2 851          |       |     |        |     |      |      |      |       |       |     |         | -       |      |     |      |       |
| 07:45         250         63         7         1         0         0         1         322         724         105         12         2         0         1           08:00         227         52         6         2         0         1         1         289         654         72         9         2         0         0           08:15         222         47         7         1         0         1         1         279         597         73         8         2         0         1           08:30         204         37         6         2         1         1         2         253         526         66         5         1         0         1           08:45         190         40         5         2         1         1         2         241         500         61         3         0         0         2           09:00         188         39         5         1         1         0         2         236         447         60         4         0         0         3           16:00         444         133         5         1         0         2 </td <td>0 928<br/>2 920</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td>       | 0 928<br>2 920 |       |     |        |     |      |      |      |       |       |     |         | 1       |      |     |      |       |
| 08:00         227         52         6         2         0         1         1         289         654         72         9         2         0         0           08:15         222         47         7         1         0         1         1         279         597         73         8         2         0         1           08:30         204         37         6         2         1         1         2         253         526         66         5         1         0         1           08:45         190         40         5         2         1         1         2         241         500         61         3         0         0         2           09:00         188         39         5         1         1         0         2         236         447         60         4         0         0         3           16:00         444         133         5         1         0         2         0         585         312         65         4         1         0         0           16:15         454         128         5         1         0         0 <td>2 920<br/>2 846</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td>             | 2 920<br>2 846 |       |     |        |     |      |      |      |       |       |     |         | 1       |      |     |      |       |
| 08:15         222         47         7         1         0         1         1         279         597         73         8         2         0         1           08:30         204         37         6         2         1         1         2         253         526         66         5         1         0         1           08:45         190         40         5         2         1         1         2         241         500         61         3         0         0         2           09:00         188         39         5         1         1         0         2         236         447         60         4         0         0         3           16:00         444         133         5         1         0         2         0         585         312         65         4         1         0         0           16:15         454         128         5         1         0         0         2         590         357         67         2         1         0         0  | 2 739          |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 08:30         204         37         6         2         1         1         2         253         526         66         5         1         0         1           08:45         190         40         5         2         1         1         2         241         500         61         3         0         0         2           09:00         188         39         5         1         1         0         2         236         447         60         4         0         0         3           16:00         444         133         5         1         0         2         0         585         312         65         4         1         0         0           16:15         454         128         5         1         0         0         2         590         357         67         2         1         0         0  | 2 683          |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 08:45         190         40         5         2         1         1         2         241         500         61         3         0         0         2           09:00         188         39         5         1         1         0         2         236         447         60         4         0         0         3           16:00         444         133         5         1         0         2         0         585         312         65         4         1         0         0           16:15         454         128         5         1         0         0         2         590         357         67         2         1         0         0  | 0 599          |       |     |        |     |      |      |      |       |       | _   |         |         |      |     |      |       |
| 09:00         188         39         5         1         1         0         2         236         447         60         4         0         0         3           16:00         444         133         5         1         0         2         0         585         312         65         4         1         0         0           16:15         454         128         5         1         0         0         2         590         357         67         2         1         0         0  | 0 566          |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 16:00 444 133 5 1 0 2 0 585 312 65 4 1 0 0 1 16:15 454 128 5 1 0 0 2 590 357 67 2 1 0 0  | 0 514          |       |     | -      |     | -    |      |      |       |       |     | 1       | 1       |      |     |      |       |
| 16:15 454 128 5 1 0 0 2 590 357 67 2 1 0 0   | 314            | Ü     |     |        | 0   | 7    | - 00 | 777  | 230   |       | 0   |         |         | ,    | 37  | 100  | 07.00 |
| 16:15 454 128 5 1 0 0 2 590 357 67 2 1 0 0   | 0 382          | 0     | 0   | 0      | 1   | 4    | 65   | 312  | 585   | 0     | 2   | 0       | 1       | 5    | 133 | 444  | 16:00 |
|  | 0 427          |       |     |        |     |      |      |      |       |       |     |         |         |      |     |      |       |
| 16:30   465   123   4   1   1   1   2   597   369   56   2   1   0   0   | 0 428          |       |     |        |     |      | 56   | 369  | 597   | 2     |     |         |         |      | 123 | 465  | 16:30 |
|  | 0 439          |       |     |        |     |      |      |      |       |       |     |         | 1       |      |     |      |       |
|  | 0 418          |       | 2   |        | 2   |      |      |      |       |       | 1   | 1       | 0       | 2    |     |      |       |
|  | 0 405          | 0     |     | 0      | 1   | 2    | 39   | 361  | 597   | 1     | 1   | 1       | 0       |      | 95  | 498  | 17:15 |
|  | 1 404          | 1     | 2   | 0      | 1   | 2    |      |      |       | 1     | 0   | 0       | 0       | 1    |     |      |       |
| 17:45 536 70 1 0 0 0 1 608 341 39 2 1 0 1  | 1 385          | 1     | 1   | 0      | 1   | 2    | 39   | 341  | 608   | 1     | 0   | 0       | 0       | 1    | 70  | 536  | 17:45 |
| 18:00 495 58 0 0 0 0 1 554 350 42 1 0 0 0  | 1 394          | 11    | 0   | 0      | 0   | 11   | 42   | 350  | 554   | 11    | 0   | 0       | 0       | 0    | 58  | 495  | 18:00 |

Client: Project Number: Vectos Date of Survey: 10.07.2014

ID02010 Junction Name: Northaw Rd/ Cattlegate Rd

Junction Number: Site 1 Junction Type: T-Junction

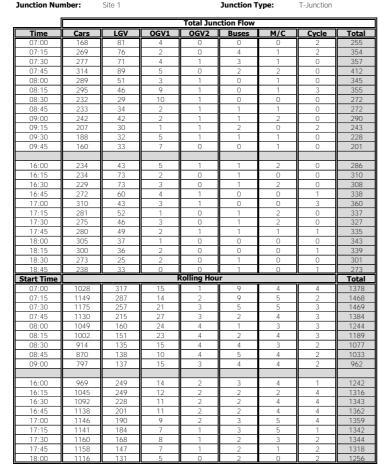


| ſ              |            |          |      | Arm C A     | pproach |     |       |            |            |          |        | Arm              | C Exit |                |       |            |
|----------------|------------|----------|------|-------------|---------|-----|-------|------------|------------|----------|--------|------------------|--------|----------------|-------|------------|
| Time           | Cars       | LGV      | OGV1 | OGV2        | Buses   | M/C | Cycle | Total      | Cars       | LGV      | OGV1   | OGV2             | Buses  | M/C            | Cycle | Total      |
| 07:00          | 19         | 6        | 2    | 0           | 0       | 0   | 0     | 27         | 41         | 24       | 2      | 0                | 0      | 0              | 0     | 67         |
| 07:15          | 27         | 8        | 1    | 0           | 3       | 0   | 0     | 39         | 57         | 14       | 0      | 0                | 1      | 0              | 2     | 74         |
| 07:30          | 34         | 5        | 1    | 1           | 1       | 0   | 0     | 42         | 63         | 14       | 0      | 0                | 2      | 0              | 0     | 79         |
| 07:45          | 43         | 6        | 2    | 0           | 1       | 0   | 0     | 52         | 53         | 24       | 2      | 0                | 1      | 1              | 0     | 81         |
| 08:00          | 34         | 10       | 0    | 0           | 0       | 0   | 0     | 44         | 32         | 11       | 1      | 0                | 0      | 1              | 0     | 45         |
| 08:15          | 38         | 7        | 3    | 1           | 0       | 0   | 0     | 49         | 47         | 8        | 2      | 0                | 0      | 1              | 0     | 58         |
| 08:30          | 35         | 2        | 1    | 0           | 0       | 0   | 0     | 38         | 35         | 11       | 4      | 0                | 0      | 0              | 0     | 50         |
| 08:45          | 36         | 5        | 0    | 0           | 0       | 0   | 0     | 41         | 52         | 6        | 1      | 1                | 1      | 0              | 0     | 61         |
| 09:00          | 36         | 4        | 0    | 0           | 1       | 1   | 0     | 42         | 44         | 8        | 0      | 1                | 0      | 0              | 0     | 53         |
| 09:15          | 36         | 8        | 0    | 0           | 0       | 0   | 0     | 44         | 41         | 4        | 0      | 1                | 1      | 0              | 2     | 49         |
| 09:30          | 31         | 9        | 2    | 0           | 1       | 0   | 0     | 43         | 33         | 5        | 1      | 1                | 0      | 0              | 0     | 40         |
| 09:45          | 22         | 7        | 4    | 0           | 0       | 0   | 0     | 33         | 28         | 8        | 2      | 0                | 0      | 0              | 0     | 38         |
|                |            |          |      |             |         |     |       |            |            |          |        |                  |        |                |       |            |
| 16:00          | 47         | 9        | 3    | 0           | 1       | 0   | 0     | 60         | 37         | 8        | 1      | 0                | 0      | 0              | 0     | 46         |
| 16:15          | 45         | 19       | 0    | 0           | 1       | 0   | 0     | 65         | 41         | 9        | 1      | 0                | 0      | 0              | 0     | 51         |
| 16:30          | 43         | 18       | 0    | 0           | 0       | 1   | 0     | 62         | 36         | 6        | 0      | 0                | 1      | 1              | 0     | 44         |
| 16:45          | 64         | 10       | 2    | 0           | 0       | 0   | 1     | 77         | 38         | 7        | 0      | 0                | 0      | 0              | 0     | 45         |
| 17:00          | 74         | 13       | 0    | 1           | 0       | 0   | 1     | 89         | 53         | 6        | 3      | 0                | 0      | 0              | 1     | 63         |
| 17:15          | 70         | 15       | 0    | 0           | 0       | 1   | 0     | 86         | 38         | 2        | 1      | 0                | 1      | 0              | 0     | 42         |
| 17:30          | 67         | 9        | 2    | 0           | 1       | 1   | 0     | 80         | 27         | 6        | 0      | 0                | 0      | 0              | 0     | 33         |
| 17:45          | 77         | 16       | 0    | 0           | 0       | 0   | 0     | 93         | 39         | 5        | 1      | 0                | 1      | 0              | 0     | 46         |
| 18:00          | 70         | 11       | 1    | 0           | 0       | 0   | 0     | 82         | 42         | 6        | 0      | 0                | 0      | 0              | 0     | 48         |
| 18:15          | 82         | 7        | 2    | 0           | 0       | 0   | 0     | 91         | 38         | 1        | 0      | 0                | 0      | 0              | 0     | 39         |
| 18:30          | 50         | 6        | 2    | 0           | 1       | 0   | 0     | 59         | 46         | 1        | 0      | 0                | 0      | 0              | 0     | 47         |
| 18:45          | 60         | 11       | 0    | 0           | 0       | 0   | 0     | 71         | 50         | 4        | 0      | O<br>Rolling Hou | 11     | 0              | 1     | 56         |
| Start Time     |            |          |      | Rolling Hou |         |     |       | Total      |            | r        |        |                  |        | ı <del> </del> |       | Total      |
| 07:00          | 123        | 25       | 6    | 1           | 5       | 0   | 0     | 160        | 214        | 76       | 4      | 0                | 4      | 1              | 2     | 301        |
| 07:15<br>07:30 | 138<br>149 | 29<br>28 | 4    | 1           | 5       | 0   | 0     | 177<br>187 | 205<br>195 | 63<br>57 | 3<br>5 | 0                | 4      | 2              | 2     | 279<br>263 |
| 07:30          | 150        | 28       | 6    | 2           | 2       | 0   | 0     | 187        | 167        | 54       | 9      | 0                | 3      | 3              | 0     | 263        |
| 08:00          | 143        | 23       | 4    | 1           | 0       | 0   | 0     | 172        | 166        | 36       | 8      | 1                | 1      | 2              | 0     | 214        |
| 08:15          | 145        | 18       | 4    | 1           | 1       | 1   | 0     | 172        | 178        | 33       | 7      | 2                | 1      | 1              | 0     | 214        |
| 08:30          | 143        | 19       | 1    | 0           | 1       | 1   | 0     | 165        | 178        | 29       | 5      | 3                | 2      | 0              | 2     | 213        |
| 08:45          | 139        | 26       | 2    | 0           | 2       | 1   | 0     | 170        | 170        | 23       | 2      | 4                | 2      | 0              | 2     | 203        |
| 09:00          | 125        | 28       | 6    | 0           | 2       | 1   | 0     | 162        | 146        | 25       | 3      | 3                | 1      | 0              | 2     | 180        |
| 07.00          | 123        | 20       | - 0  | 0           |         |     | 0     | 102        | 140        | 25       | J      | 3                | ,      | 0              |       | 100        |
| 16:00          | 199        | 56       | 5    | 0           | 2       | 1   | 1     | 264        | 152        | 30       | 2      | 0                | 1      | 1              | 0     | 186        |
| 16:15          | 226        | 60       | 2    | 1           | 1       | 1   | 2     | 293        | 168        | 28       | 4      | 0                | 1      | 1              | 1     | 203        |
| 16:30          | 251        | 56       | 2    | 1           | 0       | 2   | 2     | 314        | 165        | 21       | 4      | 0                | 2      | 1              | 1     | 194        |
| 16:45          | 275        | 47       | 4    | 1           | 1       | 2   | 2     | 332        | 156        | 21       | 4      | 0                | 1      | 0              | 1     | 183        |
| 17:00          | 288        | 53       | 2    | 1           | 1       | 2   | 1     | 348        | 157        | 19       | 5      | 0                | 2      | 0              | 1     | 184        |
| 17:15          | 284        | 51       | 3    | 0           | 1       | 2   | 0     | 341        | 146        | 19       | 2      | 0                | 2      | 0              | 0     | 169        |
| 17:30          | 296        | 43       | 5    | 0           | 1       | 1   | 0     | 346        | 146        | 18       | 1      | 0                | 1      | 0              | 0     | 166        |
| 17:45          | 279        | 40       | 5    | 0           | 1       | 0   | 0     | 325        | 165        | 13       | 1      | 0                | 1      | 0              | 0     | 180        |
| 18:00          | 262        | 35       | 5    | 0           | 1       | 0   | 0     | 303        | 176        | 12       | 0      | 0                | 1      | 0              | 1     | 190        |

Client: Vectos Date of Survey: 10.07.2014

 Project Number:
 ID02010
 Junction Name:
 Northaw Rd/ Cattlegate Rd

 Junction Number:
 Site 1
 Junction Type:
 T-Junction





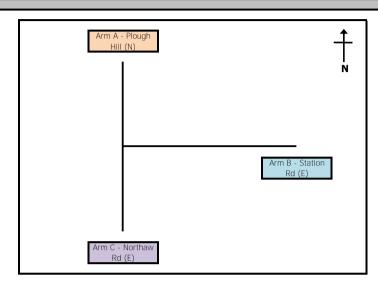
## **Intelligent Data Collection Limited** Vectos ID02010 Site 2 Date of Survey: Junction Name: Junction Type: Project Number: Junction Number:



10.07.2014 Plough Hill/ Station Rd T-Junction

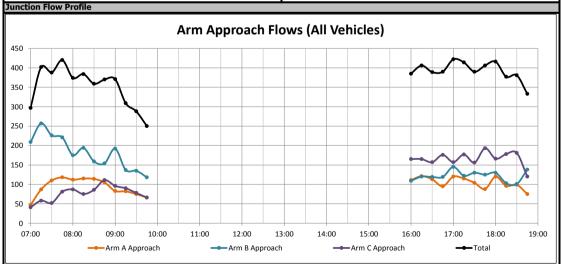
| X Coordinate       | Y Coordinate       | Google Maps Link |  |
|--------------------|--------------------|------------------|--|
| 51.707795          | -0.113726          | Click Here       |  |
| AM Peak Conditions | PM Peak Conditions |                  |  |
| Dry and Clear      | Dry and Clear      |                  |  |

Junction Layout











Client: Project Number: Vectos Date of Survey: 10.07.2014 ID02010 Junction Name:

Plough Hill/ Station Rd Arm A: Plough Hill (N) Arm C: Northaw Rd (E) Junction Number: Arm B: Station Rd (E) Site 2 Junction Type: T-Junction

|            |      |     |      | A 1         | to A  |     |       |       |      |     |      | At          | :o C  |     |       |       |      |     |        | At          | о В   |     |       |       |
|------------|------|-----|------|-------------|-------|-----|-------|-------|------|-----|------|-------------|-------|-----|-------|-------|------|-----|--------|-------------|-------|-----|-------|-------|
| Time       | Cars | LGV | OGV1 | OGV2        | Buses | M/C | Cycle | Total | Cars | LGV | OGV1 | OGV2        | Buses | M/C | Cycle | Total | Cars | LGV | OGV1   | OGV2        | Buses | M/C | Cycle | Total |
| 07:00      |      |     |      |             |       |     |       | 0     | 18   | 5   | 0    | 0           | 0     | 0   | 1     | 24    | 18   | 4   | 0      | 0           | 0     | 1   | 0     | 23    |
| 07:15      |      |     |      |             |       |     |       | 0     | 34   | 3   | 0    | 0           | 0     | 1   | 1     | 39    | 38   | 8   | 0      | 0           | 0     | 0   | 2     | 48    |
| 07:30      |      |     |      |             |       |     |       | 0     | 50   | 10  | 2    | 1           | 2     | 1   | 0     | 66    | 36   | 5   | 0      | 0           | 0     | 1   | 2     | 44    |
| 07:45      |      |     |      |             |       |     |       | 0     | 68   | 9   | 0    | 0           | 0     | 0   | 0     | 77    | 36   | 4   | 1      | 0           | 0     | 0   | 0     | 41    |
| 08:00      |      |     |      |             |       |     |       | 0     | 67   | 11  | 2    | 0           | 0     | 0   | 0     | 80    | 25   | 6   | 0      | 0           | 1     | 0   | 0     | 32    |
| 08:15      |      |     |      |             |       |     |       | 0     | 43   | 5   | 4    | 0           | 0     | 0   | 1     | 53    | 52   | 10  | 0      | 0           | 0     | 0   | 0     | 62    |
| 08:30      |      |     |      |             |       |     |       | 0     | 44   | 4   | 0    | 2           | 0     | 0   | 0     | 50    | 55   | 9   | 0      | 0           | 0     | 0   | 0     | 64    |
| 08:45      |      |     |      |             |       |     |       | 0     | 38   | - 5 | 0    | 0           | 0     | 0   | 0     | 43    | 57   | 4   | 1      | 0           | 0     | 0   | 0     | 62    |
| 09:00      |      |     |      |             |       |     |       | 0     | 30   | 4   | 0    | 2           | 1     | 1   | 0     | 38    | 37   | 6   | 1      | 0           | 0     | 1   | 0     | 45    |
| 09:15      |      |     |      |             |       |     |       | 0     | 31   | 3   | 2    | 0           | 0     | 0   | 0     | 36    | 45   | 1   | 0      | 0           | 0     | 0   | 0     | 46    |
| 09:30      |      |     |      |             |       |     |       | 0     | 25   |     | 1    | 2           | 0     | 0   | 0     | 30    | 36   | 7   | 1      | 0           |       | 0   | 0     | 45    |
| 09:45      |      |     |      |             |       |     |       | 0     | 21   | 4   | 0    | 0           | 0     | 0   | 0     | 25    | 27   | 11  | 2      | 0           | 0     | -   | 0     | 41    |
| 16:00      |      |     |      |             |       |     |       | 0     | 24   | 4   | 0    | 1           | 0     | 0   | 0     | 29    | 53   | 21  | 7      | 1           | 0     | 0   | 0     | 82    |
| 16:15      |      |     | -    |             |       |     |       | 0     | 23   | 4   | 0    | 0           | 0     | 0   | 0     | 31    | 73   | 17  | 0      | 0           | 0     | 0   | 0     | 90    |
| 16:15      |      |     |      |             |       |     |       | 0     | 23   | - 6 | 0    | 0           | 0     | 0   | 0     | 29    | 65   | 18  | 1      | 0           | 0     | 0   | 0     | 84    |
| 16:45      |      |     |      |             |       |     |       | 0     | 25   | 1   | 0    | 0           | 0     | 0   | 0     | 29    | 51   | 14  | 1      | 0           | 0     | 0   | 0     | 66    |
| 17:00      |      |     |      |             |       |     |       | 0     | 34   | 4   | 2    | 0           | 0     | 0   | 0     | 40    | 63   | 14  | 1      | 0           | 0     | 2   | 0     | 80    |
| 17:15      |      |     |      |             |       |     |       | 0     | 37   | 4   | 0    | 0           | 0     | 1   | 0     | 42    | 55   | 17  | 1      | 0           | 0     | 0   | 0     | 73    |
| 17:30      |      |     |      |             |       |     |       | 0     | 24   | 6   | 1    | 0           | 0     | 1   | 0     | 32    | 64   | 7   | 0      | 0           | 0     | 1   | 0     | 72    |
| 17:45      |      |     |      |             |       |     |       | 0     | 24   | 5   | 0    | 1           | 0     | 0   | 0     | 30    | 51   | 7   | 0      | 0           | 0     | 0   | 0     | 58    |
| 18:00      |      |     |      |             |       |     |       | 0     | 35   | 5   | 0    | 0           | 0     | 0   | 0     | 40    | 70   | 9   | 1      | 0           | 0     | 0   | 0     | 80    |
| 18:15      |      |     |      |             |       |     |       | 0     | 32   | 3   | 0    | 0           | 0     | 0   | 0     | 35    | 55   | 6   | 0      | 0           | 0     | 0   | 0     | 61    |
| 18:30      |      |     |      |             |       |     |       | 0     | 24   | 2   | 0    | 0           | 0     | 0   | 0     | 26    | 64   | 8   | 0      | 0           | 0     | 0   | 1     | 73    |
| 18:45      |      |     |      |             |       |     |       | 0     | 14   | 2   | 0    | 0           | 0     | 0   | 0     | 16    | 52   | 6   | 0      | 0           | 1     | 0   | 0     | 59    |
| Start Time |      |     |      | Rolling Hou | ır    |     |       | Total |      |     |      | Rolling Hou | ır    |     |       | Total |      |     |        | Rolling Hou | r     |     |       | Total |
| 07:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 170  | 27  | 2    | 1           | 2     | 2   | 2     | 206   | 128  | 21  | 1      | 0           | 0     | 2   | 4     | 156   |
| 07:15      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 219  | 33  | 4    | 1           | 2     | 2   | 1     | 262   | 135  | 23  | 1      | 0           | 1     | 1   | 4     | 165   |
| 07:30      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 228  | 35  | 8    | 1           | 2     | 1   | 1     | 276   | 149  | 25  | 1      | 0           | 1     | 1   | 2     | 179   |
| 07:45      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 222  | 29  | 6    | 2           | 0     | 0   | 1     | 260   | 168  | 29  | 1      | 0           | 1     | 0   | 0     | 199   |
| 08:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 192  | 25  | - 6  | 2           | 0     | 0   | 1     | 226   | 189  | 29  | 1      | 0           | 1     | 0   | 0     | 220   |
| 08:15      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 155  | 18  | 4    | 4           | 1     | 1   | 1     | 184   | 201  | 29  | 2      | 0           | 0     | 1   | 0     | 233   |
| 08:30      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 143  | 16  | 2    | 4           | 1     | 1   | 0     | 167   | 194  | 20  | 2      | 0           | 0     | 1   | 0     | 217   |
| 08:45      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 124  | 14  | 3    | 4           | 1     | 1   | 0     | 147   | 175  | 18  | 3      | 0           | - 1   |     | 0     | 198   |
| 09:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 107  | 13  | 3    | 4           |       |     | 0     | 129   | 145  | 25  | 4      | 0           |       |     | 0     | 177   |
| 16:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 96   | 21  | 0    | 1           | 0     | 0   | 0     | 118   | 242  | 70  | 9      | 1           | 0     | 0   | 0     | 322   |
| 16:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 106  | 21  | 2    | 0           | 0     | 0   | 0     | 129   | 252  | 63  | 3      | 0           | 0     | 2   | 0     | 322   |
| 16:30      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 120  | 17  | 2    | 0           | 0     | 1   | 0     | 140   | 234  | 63  | 3<br>4 | 0           | 0     | 2   | 0     | 303   |
| 16:45      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 120  | 18  | 3    | 0           | 0     | 2   | 0     | 143   | 233  | 52  | 3      | 0           | 0     | 3   | 0     | 291   |
| 17:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 119  | 19  | 3    | 1           | 0     | 2   | 0     | 144   | 233  | 45  | 2      | 0           | 0     | 3   | 0     | 283   |
| 17:15      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 120  | 20  | 1    | 1           | 0     | 2   | 0     | 144   | 240  | 40  | 2      | 0           | 0     | 1   | 0     | 283   |
| 17:30      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 115  | 19  | 1    | 1           | 0     | 1   | 0     | 137   | 240  | 29  | 1      | 0           | 0     | 1   | 0     | 271   |
| 17:45      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 115  | 15  | 0    | 1           | 0     | 0   | 0     | 131   | 240  | 30  | 1      | 0           | 0     | 0   | 1     | 272   |
| 18:00      | 0    | 0   | 0    | 0           | 0     | 0   | 0     | 0     | 105  | 12  | 0    | 0           | 0     | 0   | 0     | 117   | 241  | 29  | 1      | 0           | 1     | 0   | 1     | 273   |



Junction Name: Plough Hill/ Station Rd

ID02010 Arm A: Plough Hill (N) Arm C: Northaw Rd (E) Arm B: Station Rd (E) Junction Number: Site 2 Junction Type: T-Junction



|                |          |     |          | В           | to B  |     |       |       |            |          |      | Bi          | to A  |     |             |            |            |            |        | Bi          | to C |     |       |            |
|----------------|----------|-----|----------|-------------|-------|-----|-------|-------|------------|----------|------|-------------|-------|-----|-------------|------------|------------|------------|--------|-------------|------|-----|-------|------------|
| Time           | Cars     | LGV | OGV1     |             | Buses | M/C | Cvcle | Total | Cars       | LGV      | OGV1 |             | Buses | M/C | Cycle       | Total      | Cars       | LGV        | OGV1   | OGV2        |      | M/C | Cvcle | Total      |
| 07:00          | <u> </u> |     |          |             | 24300 | , - |       | 0     | 32         | 11       | 0    | 0           | 0     | 0   | 0           | 43         | 110        | 54         | 2      | 0           | 0    | 0   | 0     | 166        |
| 07:15          |          |     |          |             |       |     |       | 0     | 34         | 7        | 1    | 0           | 0     | 1   | 0           | 43         | 161        | 49         | 2      | 0           | 1    | 0   | 1     | 214        |
| 07:30          |          |     |          |             |       |     |       | 0     | 33         | 5        | 0    | 0           | 0     | 0   | 1           | 39         | 142        | 43         | 1      | 0           | 0    | 1   | 0     | 187        |
| 07:45          |          |     |          |             |       |     |       | 0     | 34         | 8        | 0    | 0           | 0     | 0   | 0           | 42         | 134        | 41         | 1      | 0           | 1    | 1   | 1     | 179        |
| 08:00          |          |     |          |             |       |     |       | 0     | 28         | 5        | 1    | 0           | 0     | 0   | 0           | 34         | 125        | 14         | 1      | 0           | 0    | 1   | 0     | 141        |
| 08:15          |          |     |          |             |       |     |       | 0     | 23         | 4        | 3    | 0           | 0     | 0   | 0           | 30         | 145        | 17         | 1      | 0           | 0    | 1   | 0     | 164        |
| 08:30          |          |     |          |             |       |     |       | 0     | 24         | 4        | 2    | 1           | 1     | 0   | 0           | 32         | 107        | 14         | 5      | 0           | 1    | 0   | 0     | 127        |
| 08:45          |          |     |          |             |       |     |       | 0     | 42         | 3        | 0    | 1           | 0     | 0   | 0           | 46         | 91         | 16         | 1      | 0           | 0    | 0   | 0     | 108        |
| 09:00          |          |     |          |             |       |     |       | 0     | 37         | 6        | 1    | 1           | 0     | 0   | 0           | 45         | 125        | 21         | 1      | 0           | 0    | 0   | 0     | 147        |
| 09:15          |          |     |          |             |       |     |       | 0     | 33         | 3        | 0    | 0           | 0     | 0   | 0           | 37         | 85         | 14         | 0      | 0           | 1    | 0   | 0     | 100        |
| 09:30<br>09:45 |          |     |          |             |       |     |       | 0     | 28<br>30   | 12       | 0    | 0           |       | 0   | 0           | 42<br>33   | 78         | 14         | 0      | 0           | 0    | 1   | -     | 93         |
| 09:45          |          |     |          |             |       |     |       | 0     | 30         | 3        | 0    | 0           | 0     | 0   | 0           | 33         | 68         | 14         | 2      | 0           | 0    | 1   | 0     | 85         |
| 16:00          |          |     |          |             |       |     |       | 0     | 29         | 8        | 0    | 1           | 0     | 1   | 0           | 39         | 59         | 9          | 2      | 0           | 0    | 0   | 0     | 70         |
| 16:15          |          |     |          |             |       |     |       | 0     | 31         | 5        | 2    | 0           | 0     | 2   | 0           | 40         | 69         | 11         | 0      | 0           | 0    | 0   | 0     | 80         |
| 16:30          |          |     |          |             |       |     |       | 0     | 41         | 7        | 0    | 0           | 0     | 0   | 0           | 48         | 59         | 10         | 0      | 0           | 1    | 1   | 0     | 71         |
| 16:45          |          |     |          |             |       |     |       | 0     | 37         | 10       | 0    | 0           | 0     | 0   | 0           | 47         | 60         | 9          | 3      | 0           | 0    | 0   | 0     | 72         |
| 17:00          |          |     |          |             |       |     |       | 0     | 42         | 3        | 0    | 0           | 0     | 1   | 0           | 46         | 89         | 9          | 1      | 0           | 0    | 0   | 0     | 99         |
| 17:15          |          |     |          |             |       |     |       | 0     | 49         | 6        | 0    | 0           | 0     | 0   | 0           | 55         | 62         | 4          | 1      | 0           | 0    | 0   | 0     | 67         |
| 17:30          |          |     |          |             |       |     |       | 0     | 39         | 5        | 0    | 0           | 0     | 0   | 2           | 46         | 75         | 9          | 0      | 0           | 0    | 0   | 0     | 84         |
| 17:45          |          |     |          |             |       |     |       | 0     | 35         | 5        | 0    | 0           | 0     | 0   | 0           | 40         | 71         | 12         | 1      | 0           | 1    | 0   | 0     | 85         |
| 18:00          |          |     |          |             |       |     |       | 0     | 50         | 2        | 0    | 0           | 0     | 0   | 0           | 52         | 72         | 6          | 0      | 0           | 0    | 0   | 0     | 78         |
| 18:15          |          |     |          |             |       |     |       | 0     | 35         | 1        | 0    | 0           | 0     | 0   | 0           | 36         | 58         | 9          | 0      | 0           | 0    | 0   | 0     | 67         |
| 18:30          |          |     |          |             |       |     |       | 0     | 34         | 1        | 0    | 0           | 0     | 0   | 0           | 35         | 59         | 7          | 0      | 0           | 0    | 0   | 0     | 66         |
| 18:45          |          |     | <u> </u> |             |       |     |       | 0     | 27         | 2        | 0    | 1 1         | 0     | 0   | 0           | 30         | 98         | 8          | 0      | 1           | 1    | 0   | 0     | 108        |
| Start Time     |          |     |          | Rolling Hou |       | 1 - |       | Total |            |          | 1 -  | Rolling Hou |       |     | 11 <u>.</u> | Total      |            | 1          |        | Rolling Hou |      | _   | 1 -   | Total      |
| 07:00          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 133        | 31       | 1    | 0           | 0     | 1   | 1           | 167        | 547        | 187<br>147 | 6      | 0           | 2    | 2   | 2     | 746        |
| 07:15<br>07:30 | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 129<br>118 | 25<br>22 | 2    | 0           | 0     | 0   | 1           | 158<br>145 | 562<br>546 | 117        | 5<br>4 | 0           | 2    | 3   | 2     | 721<br>671 |
| 07:30          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 109        | 21       | 6    | 1           | 1     | 0   | 0           | 138        | 511        | 86         | 8      | 0           | 2    | 3   | 1     | 611        |
| 08:00          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 117        | 16       | 6    | 2           | 1     | 0   | 0           | 142        | 468        | 61         | 8      | 0           | 1    | 2   | 0     | 540        |
| 08:15          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 126        | 17       | 6    | 3           | 1     | 0   | 0           | 153        | 468        | 68         | 8      | 0           | 1    | 1   | 0     | 546        |
| 08:30          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 136        | 16       | 3    | 4           | 1     | 0   | 0           | 160        | 408        | 65         | 7      | 0           | 2    | 0   | 0     | 482        |
| 08:45          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 140        | 24       | 1    | 3           | 2     | 0   | 0           | 170        | 379        | 65         | 2      | 0           | 1    | 1   | 0     | 448        |
| 09:00          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 128        | 24       | 1    | 2           | 2     | 0   | 0           | 157        | 356        | 63         | 3      | 0           | 1    | 2   | 0     | 425        |
|                |          |     |          |             |       |     |       |       |            |          |      |             |       |     |             |            |            |            |        |             |      |     |       |            |
| 16:00          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 138        | 30       | 2    | 1           | 0     | 3   | 0           | 174        | 247        | 39         | 5      | 0           | 1    | 1   | 0     | 293        |
| 16:15          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 151        | 25       | 2    | 0           | 0     | 3   | 0           | 181        | 277        | 39         | 4      | 0           | 1    | 1   | 0     | 322        |
| 16:30          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 169        | 26       | 0    | 0           | 0     | 1   | 0           | 196        | 270        | 32         | 5      | 0           | 1    | 1   | 0     | 309        |
| 16:45          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 167        | 24       | 0    | 0           | 0     | 1   | 2           | 194        | 286        | 31         | 5      | 0           | 0    | 0   | 0     | 322        |
| 17:00          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 165        | 19       | 0    | 0           | 0     | 1   | 2           | 187        | 297        | 34         | 3      | 0           | 1    | 0   | 0     | 335        |
| 17:15          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 173        | 18       | 0    | 0           | 0     | 0   | 2           | 193        | 280        | 31         | 2      | 0           | 1    | 0   | 0     | 314        |
| 17:30          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 159        | 13       | 0    | 0           | 0     | 0   | 2           | 174        | 276        | 36         | 1      | 0           | 1    | 0   | 0     | 314        |
| 17:45          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 154        | 9        | 0    | 0           | 0     | 0   | 0           | 163        | 260        | 34         | 1      | 0           | 1    | 0   | 0     | 296        |
| 18:00          | 0        | 0   | 0        | 0           | 0     | 0   | 0     | 0     | 146        | 6        | 0    | 1           | 0     | 0   | 0           | 153        | 287        | 30         | 0      | 1           | 1    | 0   | 0     | 319        |



ID02010 Junction Name: Plough Hill/ Station Rd

Arm A: Plough Hill (N) Arm C: Northaw Rd (E) Arm B: Station Rd (E) Junction Number: Site 2 Junction Type: T-Junction



| Junction Nun |      | Site 2 |      |             | Junction | 7.  | 1-Junction |       |      |     |      |             |       |     | Station Ru | (-)   |      |     |      |             |       |     |       |       |
|--------------|------|--------|------|-------------|----------|-----|------------|-------|------|-----|------|-------------|-------|-----|------------|-------|------|-----|------|-------------|-------|-----|-------|-------|
|              |      |        |      | Ct          | to C     |     |            |       |      |     |      | Ct          | ю В   |     |            |       |      |     |      | Ct          | to A  |     |       |       |
| Time         | Cars | LGV    | OGV1 | OGV2        | Buses    | M/C | Cycle      | Total | Cars | LGV | OGV1 | OGV2        | Buses | M/C | Cycle      | Total | Cars | LGV | OGV1 | OGV2        | Buses | M/C | Cycle | Total |
| 07:00        |      |        |      |             |          |     |            | 0     | 20   | 8   | 2    | 0           | 0     | 0   | 0          | 30    | 7    | 4   | 0    | 0           | 0     | 0   | 0     | 11    |
| 07:15        |      |        |      |             |          |     |            | 0     | 22   | 8   | 1    | 0           | 2     | 0   | 0          | 33    | 17   | 8   | 0    | 0           | 0     | 0   | 0     | 25    |
| 07:30        |      |        |      |             |          |     |            | 0     | 32   | 8   | 1    | 0           | 0     | 0   | 0          | 41    | 9    | 2   | 0    | 0           | 0     | 0   | 0     | 11    |
| 07:45        |      |        |      |             |          |     |            | 0     | 43   | 12  | 0    | 0           | 1     | 0   | 0          | 56    | 19   | 4   | 0    | 1           | 1     | 0   | 0     | 25    |
| 08:00        |      |        |      |             |          |     |            | 0     | 44   | 9   | 0    | 0           | 0     | 0   | 0          | 53    | 25   | 8   | 0    | 1           | 0     | 0   | 0     | 34    |
| 08:15        |      |        |      |             |          |     |            | 0     | 41   | 10  | 3    | 0           | 0     | 0   | 0          | 54    | 15   | 6   | 0    | 0           | 0     | 0   | 0     | 21    |
| 08:30        |      |        |      |             |          |     |            | 0     | 53   | 3   | 1    | 0           | 0     | 0   | 0          | 57    | 22   | 5   | 2    | 0           | 0     | 0   | 0     | 29    |
| 08:45        |      |        |      |             |          |     |            | 0     | 73   | 13  | 1    | 0           | 0     | 1   | 0          | 88    | 22   | 1   | 0    | 0           | 0     | 0   | 0     | 23    |
| 09:00        |      |        |      |             |          |     |            | 0     | 49   | 12  | 0    | 0           | 1     | 1   | 0          | 63    | 27   | 4   | 2    | 0           | 0     | 0   | 0     | 33    |
| 09:15        |      |        |      |             | 4        |     |            | 0     | 56   | 10  | 0    | 0           | 1     | 0   | 0          | 67    | 19   | 3   | 0    | 1           | 0     | 0   | 0     | 23    |
| 09:30        |      |        |      |             | 4        |     |            | 0     | 47   | 8   | 2    | 0           | 3     | 0   | 0          | 60    | 15   | 2   | 0    | 1           | 0     | 0   | 0     | 18    |
| 09:45        |      |        |      |             |          |     |            | 0     | 41   | 8   | 2    | 0           | 0     | 0   | 0          | 51    | 11   | 3   | 1    | 0           | 0     | 0   | 0     | 15    |
| 16:00        |      |        |      |             |          |     |            | 0     | 108  | 23  | 3    | 0           | 0     | 2   | 0          | 136   | 24   | 5   | 0    | 0           | 0     | 0   | 0     | 29    |
| 16:00        |      |        |      |             |          |     |            | 0     | 94   | 31  | 1    | 0           | 1     | 0   | 0          | 127   | 29   | 9   | 0    | 0           | 0     | 0   | 0     | 38    |
| 16:30        |      |        |      |             | 1        |     |            | 0     | 88   | 33  | 4    | 0           | 0     | 1   | 0          | 126   | 22   | 9   | 0    | 0           | 0     | 0   | 0     | 31    |
| 16:45        |      |        |      |             | 1        |     |            | 0     | 93   | 35  | 1    | 1           | 0     | 0   | 0          | 130   | 43   | 2   | 1    | 0           | 0     | 0   | 0     | 46    |
| 17:00        |      |        |      |             |          |     |            | 0     | 114  | 14  | 0    | 0           | 0     | 0   | 2          | 130   | 19   | 8   | 0    | 0           | 0     | 0   | 0     | 27    |
| 17:15        |      |        |      |             |          |     |            | 0     | 112  | 21  | 1    | 0           | 0     | 1   | 0          | 135   | 38   | 4   | 0    | 0           | 0     | 0   | 0     | 42    |
| 17:30        |      |        |      |             |          |     |            | 0     | 103  | 27  | 2    | 0           | 1     | 1   | 0          | 134   | 20   | 2   | 0    | 0           | 0     | 0   | 0     | 22    |
| 17:45        |      |        |      |             |          |     |            | 0     | 142  | 25  | 0    | 0           | 0     | 0   | 0          | 167   | 23   | 3   | 0    | 0           | 0     | 0   | 0     | 26    |
| 18:00        |      |        |      |             |          |     |            | 0     | 122  | 19  | 1    | 0           | 0     | 0   | 0          | 142   | 21   | 3   | 0    | 0           | 0     | 0   | 0     | 24    |
| 18:15        |      |        |      |             |          |     |            | 0     | 142  | 18  | 2    | 0           | 0     | 0   | 0          | 162   | 16   | 0   | 0    | 0           | 0     | 0   | 0     | 16    |
| 18:30        |      |        |      |             |          |     |            | 0     | 134  | 18  | 1    | 0           | 1     | 0   | 0          | 154   | 27   | 0   | 0    | 0           | 0     | 0   | 0     | 27    |
| 18:45        |      |        |      |             |          |     |            | 0     | 86   | 11  | 0    | 0           | 0     | 0   | 1          | 98    | 18   | 4   | 0    | 0           | 0     | 0   | 0     | 22    |
| Start Time   |      | •      |      | Rolling Hou | ur       |     |            | Total |      |     |      | Rolling Hou | r     |     |            | Total |      |     |      | Rolling Hou | ır    |     |       | Total |
| 07:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 117  | 36  | 4    | 0           | 3     | 0   | 0          | 160   | 52   | 18  | 0    | 1           | 1     | 0   | 0     | 72    |
| 07:15        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 141  | 37  | 2    | 0           | 3     | 0   | 0          | 183   | 70   | 22  | 0    | 2           | 1     | 0   | 0     | 95    |
| 07:30        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 160  | 39  | 4    | 0           | 1     | 0   | 0          | 204   | 68   | 20  | 0    | 2           | 1     | 0   | 0     | 91    |
| 07:45        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 181  | 34  | 4    | 0           | 1     | 0   | 0          | 220   | 81   | 23  | 2    | 2           | 1     | 0   | 0     | 109   |
| 08:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 211  | 35  | 5    | 0           | 0     | 1   | 0          | 252   | 84   | 20  | 2    | 1           | 0     | 0   | 0     | 107   |
| 08:15        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 216  | 38  | 5    | 0           | 1     | 2   | 0          | 262   | 86   | 16  | 4    | 0           | 0     | 0   | 0     | 106   |
| 08:30        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 231  | 38  | 2    | 0           | 2     | 2   | 0          | 275   | 90   | 13  | 4    | 1           | 0     | 0   | 0     | 108   |
| 08:45        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 225  | 43  | 3    | 0           | 5     | 2   | 0          | 278   | 83   | 10  | 2    | 2           | 0     | 0   | 0     | 97    |
| 09:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 193  | 38  | 4    | 0           | 5     | 1   | 0          | 241   | 72   | 12  | 3    | 2           | 0     | 0   | 0     | 89    |
| 16:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 383  | 122 | 0    | 1           | 1     | 2   | 0          | 519   | 118  | 25  | 1    | 0           | 0     | 0   | 0     | 144   |
| 16:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 389  | 113 | 6    | 1           | 1     | 1   | 2          | 513   | 113  | 28  | 1    | 0           | 0     | 0   | 0     | 144   |
| 16:15        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 407  | 103 | 6    | 1           | 0     | 2   | 2          | 513   | 122  | 28  | 1    | 0           | 0     | 0   | 0     | 142   |
| 16:45        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 422  | 97  | 4    | 1           | 1     | 2   | 2          | 529   | 120  | 16  | 1    | 0           | 0     | 0   | 0     | 137   |
| 17:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 471  | 87  | 3    | 0           | 1     | 2   | 2          | 566   | 100  | 17  | 0    | 0           | 0     | 0   | 0     | 117   |
| 17:15        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 479  | 92  | 4    | 0           | 1     | 2   | 0          | 578   | 102  | 12  | 0    | 0           | 0     | 0   | 0     | 114   |
| 17:30        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 509  | 89  | 5    | 0           | 1     | 1   | 0          | 605   | 80   | 8   | 0    | 0           | 0     | 0   | 0     | 88    |
| 17:45        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 540  | 80  | 4    | 0           | 1     | 0   | 0          | 625   | 87   | 6   | 0    | 0           | 0     | 0   | 0     | 93    |
| 18:00        | 0    | 0      | 0    | 0           | 0        | 0   | 0          | 0     | 484  | 66  | 4    | 0           | 1     | 0   | 1          | 556   | 82   | 7   | 0    | 0           | 0     | 0   | 0     | 89    |
|              |      |        |      |             |          |     |            |       |      |     |      |             |       |     | ·          |       |      |     |      |             |       |     |       |       |





| [              |            |     |      | Arm A A     | pproach |        |       |            |            |          |      | Arm         | A Exit |     |       |            |
|----------------|------------|-----|------|-------------|---------|--------|-------|------------|------------|----------|------|-------------|--------|-----|-------|------------|
| Time           | Cars       | LGV | OGV1 | OGV2        | Buses   | M/C    | Cycle | Total      | Cars       | LGV      | OGV1 | OGV2        | Buses  | M/C | Cycle | Total      |
| 07:00          | 36         | 9   | 0    | 0           | 0       | 1      | 1     | 47         | 39         | 15       | 0    | 0           | 0      | 0   | 0     | 54         |
| 07:15          | 72         | 11  | 0    | 0           | 0       | 1      | 3     | 87         | 51         | 15       | 1    | 0           | 0      | 1   | 0     | 68         |
| 07:30          | 86         | 15  | 2    | 1           | 2       | 2      | 2     | 110        | 42         | 7        | 0    | 0           | 0      | 0   | 1     | 50         |
| 07:45          | 104        | 13  | 1    | 0           | 0       | 0      | 0     | 118        | 53         | 12       | 0    | 1           | 1      | 0   | 0     | 67         |
| 08:00          | 92         | 17  | 2    | 0           | 1       | 0      | 0     | 112        | 53         | 13       | 1    | 1           | 0      | 0   | 0     | 68         |
| 08:15          | 95         | 15  | 4    | 0           | 0       | 0      | 1     | 115        | 38         | 10       | 3    | 0           | 0      | 0   | 0     | 51         |
| 08:30          | 99         | 13  | 0    | 2           | 0       | 0      | 0     | 114        | 46         | 9        | 4    | 1           | 1      | 0   | 0     | 61         |
| 08:45          | 95         | 9   | 1    | 0           | 0       | 0      | 0     | 105        | 64         | 4        | 0    | 1           | 0      | 0   | 0     | 69         |
| 09:00          | 67         | 10  | 1    | 2           | 1       | 2      | 0     | 83         | 64         | 10       | 3    | 1           | 0      | 0   | 0     | 78         |
| 09:15          | 76         | 4   | 2    | 0           | 0       | 0      | 0     | 82         | 52         | 6        | 0    | 2           | 0      | 0   | 0     | 60         |
| 09:30          | 61         | 9   | 2    | 2           | 1       | 0      | 0     | 75         | 43         | 14       | 0    | 1           | 2      | 0   | 0     | 60         |
| 09:45          | 48         | 15  | 2    | 0           | 0       | 1      | 0     | 66         | 41         | 6        | 1    | 0           | 0      | 0   | 0     | 48         |
|                |            |     |      |             |         |        |       |            |            |          |      |             |        |     |       |            |
| 16:00          | 77         | 25  | 7    | 2           | 0       | 0      | 0     | 111        | 53         | 13       | 0    | 1           | 0      | 1   | 0     | 68         |
| 16:15          | 96         | 25  | 0    | 0           | 0       | 0      | 0     | 121        | 60         | 14       | 2    | 0           | 0      | 2   | 0     | 78         |
| 16:30          | 89         | 23  | 1    | 0           | 0       | 0      | 0     | 113        | 63         | 16       | 0    | 0           | 0      | 0   | 0     | 79         |
| 16:45          | 76         | 18  | 1    | 0           | 0       | 0      | 0     | 95         | 80         | 12       | 1    | 0           | 0      | 0   | 0     | 93         |
| 17:00          | 97         | 18  | 3    | 0           | 0       | 2      | 0     | 120        | 61         | 11       | 0    | 0           | 0      | 1   | 0     | 73         |
| 17:15          | 92         | 21  | 1    | 0           | 0       | 1      | 0     | 115        | 87         | 10       | 0    | 0           | 0      | 0   | 0     | 97         |
| 17:30          | 88         | 13  | 1    | 0           | 0       | 2      | 0     | 104        | 59         | 7        | 0    | 0           | 0      | 0   | 2     | 68         |
| 17:45          | 75         | 12  | 0    | 1           | 0       | 0      | 0     | 88         | 58         | 8        | 0    | 0           | 0      | 0   | 0     | 66         |
| 18:00          | 105        | 14  | 1    | 0           | 0       | 0      | 0     | 120        | 71         | 5        | 0    | 0           | 0      | 0   | 0     | 76         |
| 18:15          | 87         | 9   | 0    | 0           | 0       | 0      | 0     | 96         | 51         | 1        | 0    | 0           | 0      | 0   | 0     | 52         |
| 18:30          | 88         | 10  | 0    | 0           | 0       | 0      | 1     | 99         | 61         | 1        | 0    | 0           | 0      | 0   | 0     | 62         |
| 18:45          | 66         | 8   | 0    | 0           | 1       | 0      | 0     | 75         | 45         | 6        | 0    | 1           | 0      | 0   | 0     | 52         |
| Start Time     |            |     |      | Rolling Hou |         |        |       | Total      |            |          |      | Rolling Hou | ır     |     |       | Total      |
| 07:00          | 298        | 48  | 3    | 1           | 2       | 4      | 6     | 362        | 185        | 49       | 1    | 1           | 1      | 1   | 1     | 239        |
| 07:15          | 354        | 56  | 5    | 1           | 3       | 3      | 5     | 427        | 199        | 47       | 2    | 2           | 1      | 1   | 1     | 253        |
| 07:30          | 377        | 60  | 9    | 1           | 3       | 2      | 3     | 455        | 186        | 42       | 4    | 2           | 1      | 0   | 1     | 236        |
| 07:45          | 390        | 58  | 7    | 2           | 1       | 0      | 1     | 459        | 190        | 44       | 8    | 3           | 2      | 0   | 0     | 247        |
| 08:00          | 381        | 54  | 7    | 2           | 1       | 0      | 1     | 446        | 201        | 36       | 8    | 3           | 1      | 0   | 0     | 249        |
| 08:15          | 356        | 47  | 6    | 4           | 1       | 2      | 1     | 417        | 212        | 33       | 10   | 3           | 1      | 0   | 0     | 259        |
| 08:30          | 337        | 36  | 4    | 4           |         | 2      | 0     | 384        | 226        | 29       | 7    | 5           | 1      | 0   | 0     | 268        |
| 08:45          | 299        | 32  | 6    | 4           | 2       | 2      | 0     | 345        | 223        | 34       | 3    | 5           | 2      | 0   | 0     | 267        |
| 09:00          | 252        | 38  | 7    | 4           | 2       | 3      | 0     | 306        | 200        | 36       | 4    | 4           | 2      | 0   | 0     | 246        |
| 14.00          | 220        | 01  |      |             |         |        | _     | 440        | 25/        |          | -    | 1           |        | 2   |       | 210        |
| 16:00          | 338        | 91  | 9    | 2           | 0       | 0      | 0     | 440        | 256        | 55       | 3    | 1           | 0      | 3   | 0     | 318        |
| 16:15          | 358        | 84  | 5    | 0           | 0       | 2      | 0     | 449        | 264        | 53       | 3    | 0           | 0      | 3   | 0     | 323<br>342 |
| 16:30<br>16:45 | 354        | 80  | 6    | 0           | 0       | 3<br>5 | 0     | 443        | 291<br>287 | 49       | 1    | 0           | 0      | 1   | 0 2   | 342        |
| 16:45          | 353        | 70  | 6    | 1           | 0       |        | 0     | 434        |            |          | '    | 0           | 0      | 1   |       | 331        |
| 17:00          | 352        | 64  | 5    | 1           |         | 5      |       | 427        | 265<br>275 | 36       | 0    |             |        |     | 2     | 304        |
|                | 360<br>355 | 60  | 3    | 1           | 0       | 3 2    | 0     |            |            | 30<br>21 | 0    | 0           | 0      | 0   | 2     | 262        |
| 17:30          |            | 48  | 2    | 1           | 0       |        | 1     | 408        | 239<br>241 | 15       | 0    | 0           |        |     | -     | 256        |
| 17:45          | 355        | 45  | 1    | - 0         | 0       | 0      | 1     | 403<br>390 | 241        | 13       | 0    | 0           | 0      | 0   | 0     |            |
| 18:00          | 346        | 41  |      | 0           | 1       | 0      |       | 390        | 228        | 13       | U    | 1           | U      | U   | U     | 242        |





| Ī              |           |          |      | Arm B A     | pproach |     |       |            |            |          |      | Arm         | B Exit |     |          |            |
|----------------|-----------|----------|------|-------------|---------|-----|-------|------------|------------|----------|------|-------------|--------|-----|----------|------------|
| Time           | Cars      | LGV      | OGV1 | OGV2        | Buses   | M/C | Cycle | Total      | Cars       | LGV      | OGV1 | OGV2        | Buses  | M/C | Cycle    | Total      |
| 07:00          | 142       | 65       | 2    | 0           | 0       | 0   | 0     | 209        | 38         | 12       | 2    | 0           | 0      | 1   | 0        | 53         |
| 07:15          | 195       | 56       | 3    | 0           | 1       | 1   | 1     | 257        | 60         | 16       | 1    | 0           | 2      | 0   | 2        | 81         |
| 07:30          | 175       | 48       | 1    | 0           | 0       | 1   | 1     | 226        | 68         | 13       | 1    | 0           | 0      | 1   | 2        | 85         |
| 07:45          | 168       | 49       | 1    | 0           | 1       | 1   | 1     | 221        | 79         | 16       | 1    | 0           | 1      | 0   | 0        | 97         |
| 08:00          | 153       | 19       | 2    | 0           | 0       | 1   | 0     | 175        | 69         | 15       | 0    | 0           | 1      | 0   | 0        | 85         |
| 08:15          | 168       | 21       | 4    | 0           | 0       | 1   | 0     | 194        | 93         | 20       | 3    | 0           | 0      | 0   | 0        | 116        |
| 08:30          | 131       | 18       | 7    | 1           | 2       | 0   | 0     | 159        | 108        | 12       | 1    | 0           | 0      | 0   | 0        | 121        |
| 08:45          | 133       | 19       | 1    | 1           | 0       | 0   | 0     | 154        | 130        | 17       | 2    | 0           | 0      | 1   | 0        | 150        |
| 09:00          | 162       | 27       | 2    | 1           | 0       | 0   | 0     | 192<br>137 | 86         | 18       | 1    | 0           | 1      | 2   | 0        | 108<br>113 |
| 09:15<br>09:30 | 118       | 17<br>26 | 0    | 0           | 1 2     | 0   | 0     | 137        | 101<br>83  | 11<br>15 | 3    | 0           | 1 4    | 0   | 0        | 105        |
| 09:30          | 106<br>98 | 17       | 2    | 0           | 0       | 1   | 0     | 118        | 68         | 19       | 4    | 0           | 0      | 1   | 0        | 92         |
| 09:45          | 90        | 17       |      | U           | U       | - 1 | U     | 110        | 00         | 19       | 4    | U           | U      | 1   | U        | 92         |
| 16:00          | 88        | 17       | 2    | 1           | 0       | 1   | 0     | 109        | 161        | 44       | 10   | 1           | 0      | 2   | 0        | 218        |
| 16:15          | 100       | 16       | 2    | 0           | 0       | 2   | 0     | 120        | 167        | 48       | 1    | 0           | 1      | 0   | 0        | 217        |
| 16:30          | 100       | 17       | 0    | 0           | 1       | 1   | 0     | 119        | 153        | 51       | 5    | 0           | 0      | 1   | 0        | 210        |
| 16:45          | 97        | 19       | 3    | 0           | 0       | 0   | 0     | 119        | 144        | 49       | 2    | 1           | 0      | 0   | 0        | 196        |
| 17:00          | 131       | 12       | 1    | 0           | 0       | 1   | 0     | 145        | 177        | 28       | 1    | 0           | 0      | 2   | 2        | 210        |
| 17:15          | 111       | 10       | 1    | 0           | 0       | 0   | 0     | 122        | 167        | 38       | 2    | 0           | 0      | 1   | 0        | 208        |
| 17:30          | 114       | 14       | 0    | 0           | 0       | 0   | 2     | 130        | 167        | 34       | 2    | 0           | 1      | 2   | 0        | 206        |
| 17:45          | 106       | 17       | 1    | 0           | 1       | 0   | 0     | 125        | 193        | 32       | 0    | 0           | 0      | 0   | 0        | 225        |
| 18:00<br>18:15 | 122       | 8        | 0    | 0           | 0       | 0   | 0     | 130        | 192        | 28       | 2    | 0           | 0      | 0   | 0        | 222        |
| 18:15          | 93<br>93  | 10       | 0    | 0           | 0       | 0   | 0     | 103<br>101 | 197<br>198 | 24       | 2    | 0           | 0      | 0   | 0        | 223<br>227 |
| 18:30          | 125       | 8<br>10  | 0    | 2           | 1       | 0   | 0     | 138        | 138        | 26<br>17 | 0    | 0           | 1      | 0   | 1        | 157        |
| Start Time     | 125       | 10       |      | Rolling Hou |         | U   |       | Total      | 130        |          |      | Rolling Hou |        |     | <u> </u> | Total      |
| 07:00          | 680       | 218      | 7    | 0           | 2       | 3   | 3     | 913        | 245        | 57       | 5    | 0           | 3      | 2   | 4        | 316        |
| 07:15          | 691       | 172      | 7    | 0           | 2       | 4   | 3     | 879        | 276        | 60       | 3    | 0           | 4      | 1   | 4        | 348        |
| 07:30          | 664       | 137      | 8    | 0           | 1       | 4   | 2     | 816        | 309        | 64       | 5    | 0           | 2      | 1   | 2        | 383        |
| 07:45          | 620       | 107      | 14   | 1           | 3       | 3   | 1     | 749        | 349        | 63       | 5    | 0           | 2      | 0   | 0        | 419        |
| 08:00          | 585       | 77       | 14   | 2           | 2       | 2   | 0     | 682        | 400        | 64       | 6    | 0           | 1      | 1   | 0        | 472        |
| 08:15          | 594       | 85       | 14   | 3           | 2       | 1   | 0     | 699        | 417        | 67       | 7    | 0           | 1      | 3   | 0        | 495        |
| 08:30          | 544       | 81       | 10   | 4           | 3       | 0   | 0     | 642        | 425        | 58       | 4    | 0           | 2      | 3   | 0        | 492        |
| 08:45          | 519       | 89       | 3    | 3           | 3       | 1   | 0     | 618        | 400        | 61       | 6    | 0           | 6      | 3   | 0        | 476        |
| 09:00          | 484       | 87       | 4    | 2           | 3       | 2   | 0     | 582        | 338        | 63       | 8    | 0           | 6      | 3   | 0        | 418        |
| 16:00          | 385       | 69       | 7    | 1           | 1       | 4   | 0     | 467        | 625        | 192      | 18   | 2           | 1      | 3   | 0        | 841        |
| 16:15          | 428       | 64       | 6    | 0           | 1       | 4   | 0     | 503        | 641        | 176      | 9    | 1           | 1      | 3   | 2        | 833        |
| 16:30          | 439       | 58       | 5    | 0           | 1       | 2   | 0     | 505        | 641        | 166      | 10   | 1           | 0      | 4   | 2        | 824        |
| 16:45          | 453       | 55       | 5    | 0           | 0       | 1   | 2     | 516        | 655        | 149      | 7    | 1           | 1      | 5   | 2        | 820        |
| 17:00          | 462       | 53       | 3    | 0           | 1       | 1   | 2     | 522        | 704        | 132      | 5    | 0           | 1      | 5   | 2        | 849        |
| 17:15          | 453       | 49       | 2    | 0           | 1       | 0   | 2     | 507        | 719        | 132      | 6    | 0           | 1      | 3   | 0        | 861        |
| 17:30          | 435       | 49       | 1    | 0           | 1       | 0   | 2     | 488        | 749        | 118      | 6    | 0           | 1      | 2   | 0        | 876        |
| 17:45          | 414       | 43       | 1    | 0           | 1       | 0   | 0     | 459        | 780        | 110      | 5    | 0           | 1      | 0   | 1        | 897        |
| 18:00          | 433       | 36       | 0    | 2           | 1       | 0   | 0     | 472        | 725        | 95       | 5    | 0           | 2      | 0   | 2        | 829        |





|                |            |          |      | Arm C A     | pproach |     |       |            |            |          |          | Arm         | C Exit |     |       |            |
|----------------|------------|----------|------|-------------|---------|-----|-------|------------|------------|----------|----------|-------------|--------|-----|-------|------------|
| Time           | Cars       | LGV      | OGV1 | OGV2        | Buses   | M/C | Cycle | Total      | Cars       | LGV      | OGV1     | OGV2        | Buses  | M/C | Cycle | Total      |
| 07:00          | 27         | 12       | 2    | 0           | 0       | 0   | 0     | 41         | 128        | 59       | 2        | 0           | 0      | 0   | 1     | 190        |
| 07:15          | 39         | 16       | 1    | 0           | 2       | 0   | 0     | 58         | 195        | 52       | 2        | 0           | 1      | 1   | 2     | 253        |
| 07:30          | 41         | 10       | 1    | 0           | 0       | 0   | 0     | 52         | 192        | 53       | 3        | 1           | 2      | 2   | 0     | 253        |
| 07:45          | 62         | 16       | 0    | 1           | 2       | 0   | 0     | 81         | 202        | 50       | 1        | 0           | 1      | 1   | 1     | 256        |
| 08:00          | 69         | 17       | 0    | 1           | 0       | 0   | 0     | 87         | 192        | 25       | 3        | 0           | 0      | 1   | 0     | 221        |
| 08:15          | 56         | 16       | 3    | 0           | 0       | 0   | 0     | 75         | 188        | 22       | 5        | 0           | 0      | 1   | 1     | 217        |
| 08:30          | 75         | 8        | 3    | 0           | 0       | 0   | 0     | 86         | 151        | 18       | 5        | 2           | 1      | 0   | 0     | 177        |
| 08:45          | 95         | 14       | 1    | 0           | 0       | 1   | 0     | 111        | 129        | 21       | 1        | 0           | 0      | 0   | 0     | 151        |
| 09:00          | 76         | 16       | 2    | 0           | 1       | 1   | 0     | 96         | 155        | 25       | 1        | 2           | 1      | 1   | 0     | 185        |
| 09:15          | 75         | 13       | 0    | 1           | 1       | 0   | 0     | 90         | 116        | 17       | 2        | 0           | 1      | 0   | 0     | 136        |
| 09:30          | 62<br>52   | 10       | 2    |             | 3       | 0   | 0     | 78<br>66   | 103<br>89  | 16<br>18 | 1        | 2           | 0      | 1   | 0     | 123<br>110 |
| 09:45          | 52         | 11       | 3    | 0           | 0       | 0   | 0     | 66         | 89         | 18       | 2        | 0           | 0      | - 1 | 0     | 110        |
| 16:00          | 132        | 28       | 3    | 0           | 0       | 2   | 0     | 165        | 83         | 13       | 2        | 1           | 0      | 0   | 0     | 99         |
| 16:00          | 123        | 40       | 1    | 0           | 1       | 0   | 0     | 165        | 92         | 19       | 0        | 0           | 0      | 0   | 0     | 111        |
| 16:30          | 110        | 40       | 4    | 0           | 0       | 1   | 0     | 157        | 83         | 15       | 0        | 0           | 1      | 1   | 0     | 100        |
| 16:45          | 136        | 37       | 2    | 1           | 0       | 0   | 0     | 176        | 85         | 13       | 3        | 0           | 0      | 0   | 0     | 100        |
| 17:00          | 133        | 22       | 0    | 0           | 0       | 0   | 2     | 157        | 123        | 13       | 3        | 0           | 0      | 0   | 0     | 139        |
| 17:15          | 150        | 25       | 1    | 0           | 0       | 1   | 0     | 177        | 99         | 8        | 1        | 0           | 0      | 1   | 0     | 109        |
| 17:30          | 123        | 29       | 2    | 0           | 1       | 1   | 0     | 156        | 99         | 15       | 1        | 0           | 0      | 1   | 0     | 116        |
| 17:45          | 165        | 28       | 0    | 0           | 0       | 0   | 0     | 193        | 95         | 17       | 1        | 1           | 1      | 0   | 0     | 115        |
| 18:00          | 143        | 22       | 1    | 0           | 0       | 0   | 0     | 166        | 107        | 11       | 0        | 0           | 0      | 0   | 0     | 118        |
| 18:15          | 158        | 18       | 2    | 0           | 0       | 0   | 0     | 178        | 90         | 12       | 0        | 0           | 0      | 0   | 0     | 102        |
| 18:30          | 161        | 18       | 1    | 0           | 1       | 0   | 0     | 181        | 83         | 9        | 0        | 0           | 0      | 0   | 0     | 92         |
| 18:45          | 104        | 15       | 0    | 0           | 0       | 0   | 1     | 120        | 112        | 10       | 0        | 1           | 1      | 0   | 0     | 124        |
| Start Time     |            |          |      | Rolling Hou | ır      |     |       | Total      |            |          |          | Rolling Hou | ır     |     |       | Total      |
| 07:00          | 169        | 54       | 4    | 1           | 4       | 0   | 0     | 232        | 717        | 214      | 8        | 1           | 4      | 4   | 4     | 952        |
| 07:15          | 211        | 59       | 2    | 2           | 4       | 0   | 0     | 278        | 781        | 180      | 9        | 1           | 4      | 5   | 3     | 983        |
| 07:30          | 228        | 59       | 4    | 2           | 2       | 0   | 0     | 295        | 774        | 150      | 12       | 1           | 3      | 5   | 2     | 947        |
| 07:45          | 262        | 57       | 6    | 2           | 2       | 0   | 0     | 329        | 733        | 115      | 14       | 2           | 2      | 3   | 2     | 871        |
| 08:00<br>08:15 | 295<br>302 | 55<br>54 | 7    | 1           | 0       | 1   | 0     | 359<br>368 | 660        | 86<br>86 | 14<br>12 | 2           | 1 2    | 2   | 1     | 766<br>730 |
| 08:15          | 302        | 54       | 6    | 0           | 1 2     | 2   | 0     | 383        | 623<br>551 | 81       | 9        | 4           | 3      | 2   | 0     | 649        |
| 08:45          | 308        | 53       | 5    | 2           | 5       | 2   | 0     | 375        | 503        | 79       | 5        | 4           | 2      | 2   | 0     | 595        |
| 09:00          | 265        | 50       | 7    | 2           | 5       | 1   | 0     | 330        | 463        | 76       | 6        | 4           | 2      | 3   | 0     | 554        |
| 07.00          | 203        | 30       | ,    |             |         |     | 0     | 330        | 403        | 70       | U        | 4           |        | J   | 0     | 334        |
| 16:00          | 501        | 147      | 10   | 1           | 1       | 3   | 0     | 663        | 343        | 60       | 5        | 1           | 1      | 1   | 0     | 411        |
| 16:15          | 502        | 141      | 7    | 1           | 1       | 1   | 2     | 655        | 383        | 60       | 6        | 0           | 1      | 1   | 0     | 451        |
| 16:30          | 529        | 126      | 7    | 1           | 0       | 2   | 2     | 667        | 390        | 49       | 7        | 0           | 1      | 2   | 0     | 449        |
| 16:45          | 542        | 113      | 5    | 1           | 1       | 2   | 2     | 666        | 406        | 49       | 8        | 0           | 0      | 2   | 0     | 465        |
| 17:00          | 571        | 104      | 3    | 0           | 1       | 2   | 2     | 683        | 416        | 53       | 6        | 1           | 1      | 2   | 0     | 479        |
| 17:15          | 581        | 104      | 4    | 0           | 1       | 2   | 0     | 692        | 400        | 51       | 3        | 1           | 1      | 2   | 0     | 458        |
| 17:30          | 589        | 97       | 5    | 0           | 1       | 1   | 0     | 693        | 391        | 55       | 2        | 1           | 1      | 1   | 0     | 451        |
| 17:45          | 627        | 86       | 4    | 0           | 1       | 0   | 0     | 718        | 375        | 49       | 1        | 1           | 1      | 0   | 0     | 427        |
| 18:00          | 566        | 73       | 4    | 0           | 1       | 0   | 1     | 645        | 392        | 42       | 0        | 1           | 1      | 0   | 0     | 436        |

 Client:
 Vectos
 Date of Survey:
 10.07.2014

 Project Number:
 ID02010
 Junction Name:
 Plough Hill/ Station Rd

 Junction Number:
 Site 2
 Junction Type:
 T-Junction

|            | Total Junction Flow |     |      |      |       |     |       |       |
|------------|---------------------|-----|------|------|-------|-----|-------|-------|
| Time       | Cars                | LGV | OGV1 | OGV2 | Buses | M/C | Cycle | Total |
| 07:00      | 205                 | 86  | 4    | 0    | 0     | 1   | 1     | 297   |
| 07:15      | 306                 | 83  | 4    | 0    | 3     | 2   | 4     | 402   |
| 07:30      | 302                 | 73  | 4    | 1    | 2     | 3   | 3     | 388   |
| 07:45      | 334                 | 78  | 2    | 1    | 3     | 1   | 1     | 420   |
| 08:00      | 314                 | 53  | 4    | 1    | 1     | 1   | 0     | 374   |
| 08:15      | 319                 | 52  | 11   | 0    | 0     | 1   | 1     | 384   |
| 08:30      | 305                 | 39  | 10   | 3    | 2     | 0   | 0     | 359   |
| 08:45      | 323                 | 42  | 3    | 1    | 0     | 1   | 0     | 370   |
| 09:00      | 305                 | 53  | 5    | 3    | 2     | 3   | 0     | 371   |
| 09:15      | 269                 | 34  | 2    | 2    | 2     | 0   | 0     | 309   |
| 09:30      | 229                 | 45  | 4    | 3    | 6     | 1   | 0     | 288   |
| 09:45      | 198                 | 43  | 7    | 0    | 0     | 2   | 0     | 250   |
|            |                     |     |      |      |       |     |       |       |
| 16:00      | 297                 | 70  | 12   | 3    | 0     | 3   | 0     | 385   |
| 16:15      | 319                 | 81  | 3    | 0    | 1     | 2   | 0     | 406   |
| 16:30      | 299                 | 82  | 5    | 0    | 1     | 2   | 0     | 389   |
| 16:45      | 309                 | 74  | 6    | 1    | 0     | 0   | 0     | 390   |
| 17:00      | 361                 | 52  | 4    | 0    | 0     | 3   | 2     | 422   |
| 17:15      | 353                 | 56  | 3    | 0    | 0     | 2   | 0     | 414   |
| 17:30      | 325                 | 56  | 3    | 0    | 1     | 3   | 2     | 390   |
| 17:45      | 346                 | 57  | 1    | 1    | 1     | 0   | 0     | 406   |
| 18:00      | 370                 | 44  | 2    | 0    | 0     | 0   | 0     | 416   |
| 18:15      | 338                 | 37  | 2    | 0    | 0     | 0   | 0     | 377   |
| 18:30      | 342                 | 36  | 1    | 0    | 1     | 0   | 1     | 381   |
| 18:45      | 295                 | 33  | 0    | 2    | 2     | 0   | 1     | 333   |
| Start Time | Rolling Hour        |     |      |      |       |     |       | Total |
| 07:00      | 1147                | 320 | 14   | 2    | 8     | 7   | 9     | 1507  |
| 07:15      | 1256                | 287 | 14   | 3    | 9     | 7   | 8     | 1584  |
| 07:30      | 1269                | 256 | 21   | 3    | 6     | 6   | 5     | 1566  |
| 07:45      | 1272                | 222 | 27   | 5    | 6     | 3   | 2     | 1537  |
| 08:00      | 1261                | 186 | 28   | 5    | 3     | 3   | 1     | 1487  |
| 08:15      | 1252                | 186 | 29   | 7    | 4     | 5   | 1     | 1484  |
| 08:30      | 1202                | 168 | 20   | 9    | 6     | 4   | 0     | 1409  |
| 08:45      | 1126                | 174 | 14   | 9    | 10    | 5   | 0     | 1338  |
| 09:00      | 1001                | 175 | 18   | 8    | 10    | 6   | 0     | 1218  |
|            |                     |     |      |      |       |     |       |       |
| 16:00      | 1224                | 307 | 26   | 4    | 2     | 7   | 0     | 1570  |
| 16:15      | 1288                | 289 | 18   | 1    | 2     | 7   | 2     | 1607  |
| 16:30      | 1322                | 264 | 18   | 1    | 1     | 7   | 2     | 1615  |
| 16:45      | 1348                | 238 | 16   | 1    | 1     | 8   | 4     | 1616  |
| 17:00      | 1385                | 221 | 11   | 1    | 2     | 8   | 4     | 1632  |
| 17:15      | 1394                | 213 | 9    | 1    | 2     | 5   | 2     | 1626  |
| 17:30      | 1379                | 194 | 8    | 1    | 2     | 3   | 2     | 1589  |
| 17:45      | 1396                | 174 | 6    | 1    | 2     | 0   | 1     | 1580  |
| 18:00      | 1345                | 150 | 5    | 2    | 3     | 0   | 2     | 1507  |

