



Client:

**Fisher German**

Project:

**Guarlford Road  
Malvern**

Project No:

**T19619**

Report Title:

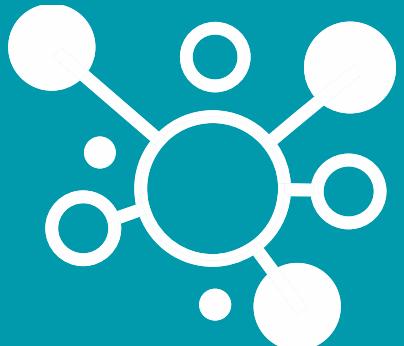
**Access Appraisal**

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26/03/2020

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# 1.0 Introduction

## Background

- 1.1 Hub Transport Planning Ltd has been commissioned by Fisher German to provide transport advice for a proposed residential development to the south of Guarlford Road, Malvern.
- 1.2 The site has a draft allocation for 180 dwellings in the South Worcestershire Development Plan Review (site reference – CFS0905sc). The review will provide an updated plan period up to 2041. The site location is shown on **Figure 1.1**.

## Purpose of the Report

- 1.3 This report is an Access Appraisal and is intended to provide commentary on vehicle and pedestrian access to the proposal site. This report will help inform the Easement Application to be submitted to Malvern Hills Trust.
- 1.4 Following this introduction, the report is set out as follows:
  - Chapter 2 – Background Information;
  - Chapter 3 – Local Facilities and Sustainable Transport;
  - Chapter 4 – Access Proposals;
  - Chapter 5 – Traffic Generation and Highway Impact; and
  - Chapter 6 – Summary and Conclusion.

## Limitations of the Report

- 1.5 This report has been undertaken at the request of Fisher German, thus should not be entrusted to any third party without written permission from Hub Transport Planning Ltd. However, should any information contained within this report be used by any unauthorised third party, it is done so entirely at their own risk and shall not be the responsibility of Hub Transport Planning Ltd.
- 1.6 This report has been compiled using data from a number of external sources (such as TRICS, traffic count data and public transport information); these sources are considered to be trustworthy and therefore the data provided is considered to be accurate and relevant at the time of preparing this report.

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## 2.0 Background Information

### Highway Network

- 2.1 The site is bounded by residential properties and Guarlford Road (B4211) to the north, agricultural fields to the east, a Severn Trent Works site to the south and Mill Lane to the west.
- 2.2 Along the frontage of the site, Guarlford Road is subject to a 40mph speed limit. Approximately 180m to the west of Mill Lane the speed limit changes to 30mph, whilst approximately 170m to the east, the speed limit changes to the national speed limit (60mph).
- 2.3 In the vicinity of Mill Lane, Guarlford Road measures around 6.3m wide with a footway running along the northern side of the road. The footway varies in width between 1.0m –1.2m and is segregated from the carriageway by a narrow grassed verge. A wide grassed verge is located to the north of the footway.
- 2.4 To the west, Guarlford Road provides access to the centre of Barnard's Green where a number of local facilities are available including a supermarket, café's and take away restaurants. To the east, Guarlford Road forms a priority T-junction with the B4424.
- 2.5 Mill Lane, which runs along the western edge of the site, is a private lane measuring approximately 3.0m in width. Passing places are provided along the lane at regular intervals. Mill Lane provides access to two residential properties, some farm buildings and a Severn Trent Works.

### Traffic Data

- 2.6 Two Automatic Traffic Counts (ATCs) have been collected on Guarlford Road either side of Mill Lane. The ATCs record traffic flow and speeds between 13<sup>th</sup> March 2020 and 19<sup>th</sup> March 2020. The ATC Data is included as **Appendix A**.
- 2.7 It is acknowledged that the traffic flow data collected during this period may not have been entirely representative of 'normal' traffic conditions due to the government's advice that was in place at the time discouraging all non-essential travel. However, the data was collected whilst schools were still open. In order to validate the data historic traffic flow information has been obtained to use as a comparison. This is considered in more detail later in this report.
- 2.8 It should be noted, however, that the speed data collected by the ATCs is still likely to provide a clear indication of typical speeds travelling along Guarlford Road. If traffic flows are slightly lower than 'normal' traffic conditions, the resulting speeds are unlikely to be affected considerably; in fact, a reduction in traffic flows is more likely to increase speeds rather than decrease them, thus the data is considered robust.

### Highway Safety

- 2.9 In order to establish road safety conditions on the highway network in the vicinity of the site, reference has been made to the Crashmap website and the data is included as **Appendix B** to this report.
- 2.10 Over the most recent five-year period available (2014-2018), a total of 14 Personal Injury Accidents (PIA), have been recorded on Guarlford Road between Eston Avenue to the west and the village of Guarlford to the east; a summary of the accident data for the search area is included in **Table 1**.

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**Table 1 – Junction PIAs in Vicinity of the Site**

| Location                    | Severity |          |          |           |
|-----------------------------|----------|----------|----------|-----------|
|                             | Sli      | Ser      | Ftl      | Total     |
| <b>Junction</b>             |          |          |          |           |
| Eston Avenue/Guarlford Road | 1        | 1        | -        | <b>2</b>  |
| Guarlford Road/Mill Lane    | -        | -        | -        | -         |
| Guarlford Road/Hall Green   | 2        | 1        | -        | <b>3</b>  |
| Guarlford Road/Chance Lane  | 2        | 1        | -        | <b>3</b>  |
| <b>Links</b>                |          |          |          |           |
| Guarlford Road              | 2        | 3        | 1        | <b>6</b>  |
| <b>Total</b>                | <b>7</b> | <b>6</b> | <b>1</b> | <b>14</b> |

Note: Sli = Slight; Ser = Serious; Ftl = Fatal

- 2.11 Within the five-year period under review, 14 accidents have been recorded over a 2km stretch of road. Of these accidents, six were classed as serious in severity and one was fatal. Four of the accidents classed as serious and the one fatal accident were all recorded to the east of Hall Green Road where the road is subject to the national speed limit.
- 2.12 Given the relatively high number of accidents recorded along Guarlford Road, measures to help improve highway safety have been proposed later in this report.

## 3.0 Local Facilities and Sustainable Transport

### Sustainable Transport Accessibility

- 3.1 It is generally accepted that walking and cycling provide important alternatives to the private car and should also be encouraged to form part of longer journeys via public transport. Indeed, it is noteworthy that the Institute of Highways and Transportation (IHT) has prepared several guidance documents that provide advice with respect to the provision of sustainable travel in conjunction with new developments. The suggested acceptable walking distances to common facilities are presented in **Table 2** below.

**Table 2 – Suggested Transport Accessibility**

|                   | Town Centres (m) | Commuting / Schools / Sightseeing (m) | Elsewhere (m) |
|-------------------|------------------|---------------------------------------|---------------|
| Desirable         | 200              | 500                                   | 400           |
| Acceptable        | 400              | 1000                                  | 800           |
| Preferred Maximum | 800              | 2000                                  | 1200          |

- 3.2 It is generally accepted that there is potential for short car trips to be substituted for cycle trips, and for longer trips to be substituted by a combination of cycle and public transport trips. Guidance suggests that 5.0km is a useful benchmark for a commutable distance by cycle.
- 3.3 The National Travel Survey (published in 2019), which provides a summary of the results of travel data for 2018, highlights that the average cycle trip was 6.1km.
- 3.4 In addition to this, Manual for Streets (MfS) states that ‘walkable neighbourhoods’ are typically characterised by having a range of facilities within 10 minutes (up to about 800m) walking distance of residential areas which residents may access comfortably on foot.
- 3.5 MfS also states that the 800m walking distance is not an upper limit and references the former PPG13 guidance in respect of walking replacing short car trips, particularly those under 2.0km.
- 3.6 In addition to the above, it is pertinent to note that the National Travel Survey, reports that the average walk trip distance for 2018 was 1.28km.
- 3.7 As such, it is reasonable to assume that the average person will walk between 800m and 2.0km to a defined destination (such as local facilities), whilst also being mindful of the 1.28km average trip distance.
- 3.8 It is considered that the site is well located to provide future residents with a real choice of travel modes. The following sections consider the opportunities for sustainable travel that are available in the vicinity of the site.

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### Accessibility by Foot

- 3.9 An existing footway is located on the northern side of Guarlford Road. The footway provides a continues link to the centre of Barnard's Green. As part of the site access proposals a link will be provided to the existing footway network.
- 3.10 Mill Lane is also designated Public Right of Way (PROW) and runs north to south along the western edge of the site.
- 3.11 The key local facilities in the vicinity within reasonable walking distance are listed in **Table 3** and can be identified in **Figure 3.1**. All walking distances are taken from the centre of the site.

**Table 3 – Local Facilities**

| Amenity  | Approximate Walking Distance |
|--|------------------------------|
| The Bluebell Public House  | 730m                         |
| The Green Dragon Public House  | 810m                         |
| Shining Stars Nursery & Preschool  | 980m                         |
| Sunshine Children's Centre   | 1.0km                        |
| Ascent Dental Care   | 1.1km                        |
| Smart Steps Nurseries  | 1.1km                        |
| Barnards Green High Street (Co-op Food, Post Office, Fish & Chip Takeaway, Subway, Café, Convenience Stores, Hairdressers, Bakery, Dry Cleaners, Chinese Takeaway, Butchers) | 1.2km                        |
| Barnards Green Opticians   | 1.3km                        |
| Chase School Annex Site  | 1.4km                        |
| Lloyds Pharmacy  | 1.4km                        |
| Scott Wroe Hearing Clinic  | 1.4km                        |
| One Stop Convenience Store   | 1.5km                        |
| Great Malvern Primary School   | 1.5km                        |
| The Chase School   | 1.6km                        |
| The Three Horseshoes Public House  | 1.6km                        |
| Malvern St James Girls' School   | 1.8km                        |
| Malvern Health Centre  | 1.9km                        |
| Malvern Parish CofE Primary School   | 1.9km                        |
| MSJ Sports & Fitness Centre  | 1.9km                        |

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- 3.12 The above demonstrates that there is an excellent range of services located within walking distance of the site including local schools and Barnards Green High Street facilities.
- 3.13 All schools listed above are within the Institute of Highways and Transportation's (IHT) preferred maximum walking distance to schools of 2.0km.
- 3.14 A number of facilities listed above are located within the NTS 2019 average walking distance of 1.28km and all facilities are located within the MfS suggested upper limit, referenced in former PPG13 guidance, of 2.0km.
- 3.15 It is therefore considered that the site is well located for accessing a wide range of facilities on foot.

### Accessibility by Cycle

- 3.16 It is generally accepted that there is potential for short car trips to be substituted for cycle trips, and for longer trips to be substituted by a combination of cycle and public transport trips. Guidance suggests that 5km is a useful benchmark for a commutable distance by cycle.
- 3.17 The National Travel Survey 2019 highlights that the average cycle trip for 2018 was 6.1km.
- 3.18 All the facilities listed in **Table 5** are located well within the benchmark 5km distance.
- 3.19 National Cycle Route 46 can be accessed from Barnards Green Road to the west of the site and provides access to Malvern Rail Station to the west and to the north of Malvern.
- 3.20 Worcestershire County Council provides a walking and cycling map for the Malvern area, of which includes recommended cycling routes in the area, the routes in the vicinity of the site are shown on **Figure 3.2**.
- 3.21 Local residential roads in the vicinity of the site are subject to a 30mph speed limit and therefore suitable for use by cyclists of all abilities.

### Accessibility by Bus

- 3.22 The nearest bus stops to the site are located on Eston Avenue, c.650m to the northwest of the site. These stops are served by the number 42, 365 and S42 services. Additional services can also be accessed from the centre of Barnard's Green or Pound Bank Road just over 1.0km from the centre of the site.
- 3.23 A summary of the destinations and frequency of these services is provided in **Table 4** below.

**Table 4 – Bus Services**

| Service No. | Route   | Frequency (approx.) |         |        |
|-------------|---|---------------------|---------|--------|
|             |   | Mon-Fri             | Sat     | Sun    |
| 42          | Lower Wyche, Poolbrook, Pound Bank – Barnards Green – Great Malvern – Malvern Link – Upper Howsell – Great Malvern – Sherrard's Green – Enigma Park – Malvern | 5 a day             | 7 a day | N/A    |
| 365         | Hanley Castle High School Service   | School Service      | N/A     | N/A    |
| S42         | Dyson Perrins Academy   | School Service      | N/A     | N/A    |
| 44          | Worcester City Centre – Malvern Retail Park – Barnard's Green   | Hourly              | Hourly  | Hourly |

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- 3.24 There is a good level of bus service available Monday to Saturday, to provide residents with access towards Worcester, Malvern Link and to local schools including Hanley Castle High School and Dyson Perrins Academy.

#### **Accessibility by Rail**

- 3.25 Great Malvern Rail Station c.2.0km to the west of the site and can be accessed via a 10-minute cycle journey or via the 42 bus service.
- 3.26 The station benefits from 14 cycle parking spaces and 122 car parking spaces and 4 accessible parking spaces.
- 3.27 Direct services run hourly to Birmingham New Street (c. journey time of 1 hour) and Hereford (c. journey time of 30 minutes), offering a reasonable commute time by a combination of cycle/rail, bus/rail or car/rail.

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## 4.0 Access Proposals

### Vehicle Access

- 4.1 Vehicular access to the site is proposed via the existing Mill Lane/Guarlford Road priority T-junction. The existing junction will be upgraded to make it suitable to accommodate additional vehicle trips associated with the proposal site. The proposed site access road will deliver a route to/from the site adjacent to the existing gated entrance to the development parcel, on the eastern side of Mill Lane. Mill Lane itself will be re-aligned to form a priority T-junction with the proposed site access arm.
- 4.2 The proposed site access layout is shown in **Drawing T20504.001**.
- 4.3 In order to connect pedestrians to local facilities, a short section of footway along the southern side of Guarlford Road to the west of the access has been proposed. Pedestrians would then cross over to the northern side of the road where there is existing footway provision. A dropped kerb crossing with tactile paving has been proposed to help facilitate this, which is consistent with the existing arrangement at the Bluebell Close/Guarlford Road junction.
- 4.4 As stated earlier in this report, the ATCs were placed on Guarlford Road either side of Mill Lane. The visibility requirements to/from the west of the junction have been based on eastbound speeds taken from the westernmost ATC. The visibility requirements to/from the east are based on westbound speeds recorded by the ATC placed to the east of the access.
- 4.5 The 85<sup>th</sup> percentile speeds have been calculated using 12-hour (07:00-19:00) weekday data between the 13<sup>th</sup> March 2020 and 19<sup>th</sup> March 2020. Weather data indicated that no rain occurred on these days and therefore the data was collected under dry conditions. As a result, no wet weather adjustment has been applied in line with guidance set out in CA 185.
- 4.6 The resulting 85<sup>th</sup> percentile speeds were 45.3mph eastbound and 47.3mph westbound. Based on the formula set out in Manual for Streets 2, the resulting visibility requirements are 126m to from the west and 135m to/from the east. The required visibility splays are indicated on **Drawing T20504.001**. The full speed calculations and weather data is included as **Appendix C**.
- 4.7 In addition to the main vehicular access it is also proposed to provide an emergency access link directly onto Guarlford Road approximately 250m to the east of Mill Lane. The link would be 3.7m wide which would be sufficient to cater for emergency service vehicles. The link would utilise an existing gated entrance which is provided into the development parcel.
- 4.8 **Drawing T20504.002** indicates the swept path analysis for the proposed access arrangement. The drawing indicates that all vehicle types requiring access to the proposal site, or to the existing development currently accessed off Mill Lane, would be able to do so using the carriageway provided.
- 4.9 It is noted that larger vehicles such as an oil tanker or farm vehicles would require the whole width of the carriageway to access the site. However, such vehicles would only require access very occasionally and therefore this would not result in a significant impact on the local highway.
- 4.10 **Drawing T20504.003** indicates that a fire tender vehicle would be able to utilise the proposed emergency access.

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### **Visual Considerations**

- 4.11 The proposed access arrangement would be constructed in line with Worcestershire County Council Highways Specification and would be subject to a formal technical approval process.
- 4.12 The proposed form of the junction would be in line with the existing Bluebell Close/Guarlford Road priority junction located to the west of Mill Lane. This is indicated in photo 1 and 2 below.

***Photo 1 – Bluebell Close/Guarlford Road priority T-junction***



***Photo 2 – Dropped kerb Crossing across Guarlford Road, adjacent to Bluebell Close***



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- 4.13 Street lighting is currently present on Guarlford Road in the vicinity of the existing Mill Lane junction. However, a street lighting assessment would be required to determine if any improvements were required to Guarlford Road and the level of lighting required along the proposed site access road. It is not envisaged that street lighting will be required along Mill Lane.
- 4.14 Signing and lining at the junction will be kept to a minimum, however the exact requirements would be determined at the detailed design stage.

### Road Safety Improvements

- 4.15 As stated earlier in this report, there have been a relatively high number of PIAs recorded along Guarlford Road in the vicinity of the site. The majority of the accidents classed as serious in severity, and the one fatal accident, were recorded within the section of Guarlford Road subject to the national speed limit.
- 4.16 As a result, as part of the site access improvements it is proposed to reduce the speed limit along Guarlford Road in the vicinity of the development. The proposal includes relocating the existing 30mph speed limit to the east of Mill Lane, in the location where the existing 40mph speed limit starts. The existing 40mph speed limit located to the east of the access would then be relocated approximately 350m further east to maintain a stepped speed reduction for vehicles travelling west along Guarlford Road. The existing speed limit changes are reinforced through speed roundels and coloured surfacing as shown in Photos 3 and 4. This arrangement would be replicated at the proposed new speed limit locations.

***Photo 3 – Start of existing 30mph speed limit to the west of Mill Lane***



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***Photo 4 – Start of existing 40mph speed limit to the east of Mill Lane***



- 4.17 In order to reinforce the change in speed limit an enhanced gateway feature should be used at the start of the relocated 40mph speed limit zone to improve the visual impact of the speed limit change. The exact detail would be agreed with the local highway authority. The location of the proposed speed limit changes are indicated in **Drawing T20504.001**.
- 4.18 Moving the start of the national speed limit area further east, and away from the built-up area would likely result in lower speeds along Guarlford Road. It should be noted however that the visibility splays indicated at the proposed site access junction are based on current recorded speeds and are not reliant on a reduction in speeds as a result of the proposed speed limit changes.
- 4.19 The proposed site access junction itself would also help reduce speeds along Guarlford Road. Vehicles turning left or right in to the site would slow down vehicles travelling behind, furthermore, the presence of the junction itself would make vehicles travelling along Guarlford Road more aware of their speed on the basis that more vehicles would be pulling out of the side road.

#### **Internal Road Layout**

- 4.20 The internal road network for the site will be designed in line with the Worcestershire County Council Streetscape Design Guide and guidance set out in Manual for Streets.

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## 5.0 Traffic Generation and Highway Impact

### Traffic Generation

- 5.1 The TRICS database (7.6.4) has been interrogated with regard to the potential traffic generation of a site of this scale and this has been carried out in accordance with the TRICS Good Practice Guide 2016.
- 5.2 The following search parameters have been used to select the appropriate sites for the TRICS assessment:
- Land Use – Houses Privately Owned
  - Regions (Great Britain (excluding Greater London and Northern Ireland)
  - Units – 50 to 500
  - Date Range – 01/01/11 to 23/09/19
  - Selected Days – Weekdays
  - Selected Locations – Edge of Town and Suburban Areas

**Table 5 – TRICS Trip Rates (180 dwellings)**

| Peak Period | Trip Rate (per dwelling) |       | Trips (180 dwellings) |     | Total |
|-------------|--------------------------|-------|-----------------------|-----|-------|
|             | In                       | Out   | In                    | Out |       |
| AM          | 0.132                    | 0.388 | 24                    | 70  | 94    |
| PM          | 0.358                    | 0.158 | 64                    | 28  | 93    |

NB: AM peak is 08:00-09:00, PM peak is 17:00-18:00; trips have been rounded

- 5.3 **Table 5** indicates that the proposed development is estimated to generate a maximum of 94 two-way trips in any peak period. This equates to just three additional vehicle movement on the highway network every two minutes. Full TRICS outputs are included as **Appendix D**.

### Traffic Distribution and Assignment

- 5.4 Whilst the overall traffic impacts resulting from the proposed development are likely to be minimal, in order to provide an indication of the likely distribution and assignment of traffic at the site access junction, the 2011 Census Travel to Work Origin Destination data has been used. The MSOA Malvern Hills 009 area has been used as the origin point, which covers the residential areas surrounding the site and is therefore considered an appropriate proxy for the distribution and assignment exercise.
- 5.5 The assignment of traffic has been carried out using an appropriate online route-based mapping tool and the analysis of this data is included as **Appendix E**.
- 5.6 The analysis indicates that the development traffic is likely to split evenly east and west when leaving the site, (50% east and 50% west).
- 5.7 **Figures 5.1 – 5.4** indicate the development traffic distribution and assignment.

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### Committed Development

- 5.8 In order to demonstrate that the proposed site access junction would operate within acceptable levels of capacity, committed developments within the vicinity of the site have been taken into account to ensure cumulative impacts are considered.
- 5.9 To the west of Mill Lane, a residential development consisting of 63 dwellings is currently under construction. The development is accessed from Campion Drive. The Transport Assessment prepared to support the application for that site in 2013 was sourced to understand the level of traffic that would be generated by that site, particularly to understand how much would travel along Guarlford Road. This traffic has been taken account in the capacity assessments carried out later in the chapter.
- 5.10 The South Worcestershire Development Plan also includes a draft allocation for a residential development site off Hall Green Road to the north of the development (ref – CFS0907sc). This development would consist of approximately 180 dwellings.
- 5.11 It is likely the traffic generation, distribution and assignment for this site would be similar to the proposed development under consideration in this report. As a result, traffic associated with this draft allocation has also been added to the network and split 50%/50% from Hall Green.

### Traffic Analysis

- 5.12 As mentioned earlier in this report, the traffic flow information recorded by ATC on Guarlford Road between March 13<sup>th</sup> and 19<sup>th</sup> 2020 is unlikely to be truly representative of ‘normal’ traffic conditions. As a result, the ATC data has been compared to existing count data included within the Transport Assessment which supported the development of 63 dwellings to the west of Mill Lane.
- 5.13 The data extracted from the TA was recorded at the Bluebell Lane/Guarlford Road junction to the east of the site. The passing flows along Guarlford Road would provide an indication of likely flows along Guarlford Road in the vicinity of Mill Lane. A comparison between the 2013 data and the 2020 data is presented in **Table 6** below.

**Table 6 – Traffic Flow Comparison**

| Year              | AM Peak (08:00-09:00) |     |       | PM Peak (17:00-18:00) |      |       |
|-------------------|-----------------------|-----|-------|-----------------------|------|-------|
|                   | EB                    | WB  | 2-way | In                    | Out  | 2-way |
| 2013              | 256                   | 450 | 706   | 374                   | 382  | 756   |
| 2020              | 315                   | 419 | 734   | 285                   | 343  | 628   |
| Percentage Change | +19%                  | -7% | +4%   | -31%                  | -11% | -20%  |

- 5.14 **Table 6** demonstrates that the 2020 two-way AM peak flows have increased by 4% overall. The local TemPro Growth Factors for the area suggest that between 2013 and 2020 traffic should have grown around 7%. Whilst this is slightly lower than predicted, the result are considered to be generally comparable to ‘normal’ traffic conditions.
- 5.15 The 2020 PM peak flows however are considerably lower when compared to the 2013 data. As a result, PM peak base traffic flows from the 2013 data will be used to undertake the site access capacity assessments.

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- 5.16 The assessments contained in the following section have been carried out for a 2041 future year scenario, which is the end of the South Worcestershire Development Plan review period. The following local TemPro growth factors have been used;
- 2013 – 2020 – AM Peak 1.0672, PM Peak 1.0788.
  - 2020 – 2041 – AM Peak 1.1859, PM Peak 1.1869
- 5.17 In the interests of robustness, a sensitivity test has also been carried out in which all 2041 traffic flows, including development traffic, have been increased by 20%. The relevant traffic flow diagrams are contained in **Figures 5.5 - 5.14**.

### Site Access Capacity Assessment

- 5.18 The capacity assessment has been carried out using the PICADY module of Junctions 9. **Table 7** indicates how the junction is likely to operate with background traffic growth, committed development and development traffic added to the network. Full PICADY outputs are included in **Appendix F**.

**Table 7 – Proposed Site Access Junction Summary Capacity Assessments**

| Approach  | AM Peak 08:00 – 09:00 |       |           | PM Peak 17:00 – 18:00 |       |           |
|---|-----------------------|-------|-----------|-----------------------|-------|-----------|
|   | RFC                   | Queue | Delay (s) | RFC                   | Queue | Delay (s) |
| <b>2041 Base + Committed + Development</b>                                      |                       |       |           |                       |       |           |
| Site Access   | 0.20                  | 0     | 11        | 0.08                  | 0     | 11        |
| Guralford Road RT   | 0.03                  | 0     | 4         | 0.10                  | 0     | 5         |
| <b>2041 Base + Committed + Development Sensitivity Test (+20% to all flows)</b> |                       |       |           |                       |       |           |
| Site Access   | 0.26                  | 0     | 14        | 0.12                  | 0     | 13        |
| Guralford Road RT   | 0.04                  | 0     | 5         | 0.14                  | 0     | 4         |

- 5.19 The proposed site access junction is predicted to operate well within capacity with minimal queues and delays, even when considering the sensitivity test which allows for an increase in 20% to all flows at the junction. The proposed access arrangements will not have a material impact on through traffic on Guarlford Road. As a result, the proposed site access junction is considered suitable to serve a development consisting of 180 dwellings.

**T20504**

**Guarlford Road, Malvern**

## 6.0 Summary and Conclusions

### Summary

- 6.1 Hub Transport Planning Ltd has been commissioned by Fisher German to provide transport advise for a proposed residential development to the south of Guarlford Road, Malvern. The proposed development has a draft allocation for 180 dwellings.
- 6.2 The site is located within a reasonable walking distance to a number of facilities, including local shops, a public house and schools. Bus services are also available within 650m of the site.
- 6.3 Vehicular access to the site is proposed from the Mill Lane/Guarlford Road junction located towards the northwest corner of the development. The existing junction will be upgraded and formalised to serve the development site. The access proposals will also include a footway link to the existing provision on the northern side of Guarlford Road.
- 6.4 As part of the access improvements it is also proposed to reduce the speed limit of Guarlford Road to 30mph in the vicinity of Mill Lane. The start of the existing 40mph speed limit would also be relocated further east, and an enhanced gateway feature provided. These measured would help reduce speeds along Guarlford Road and therefore provide some safety benefits.
- 6.5 Capacity assessments carried out in this report have also indicated that the proposed junction would operate well within capacity with no material impact on queues or delays along Guarlford Road.

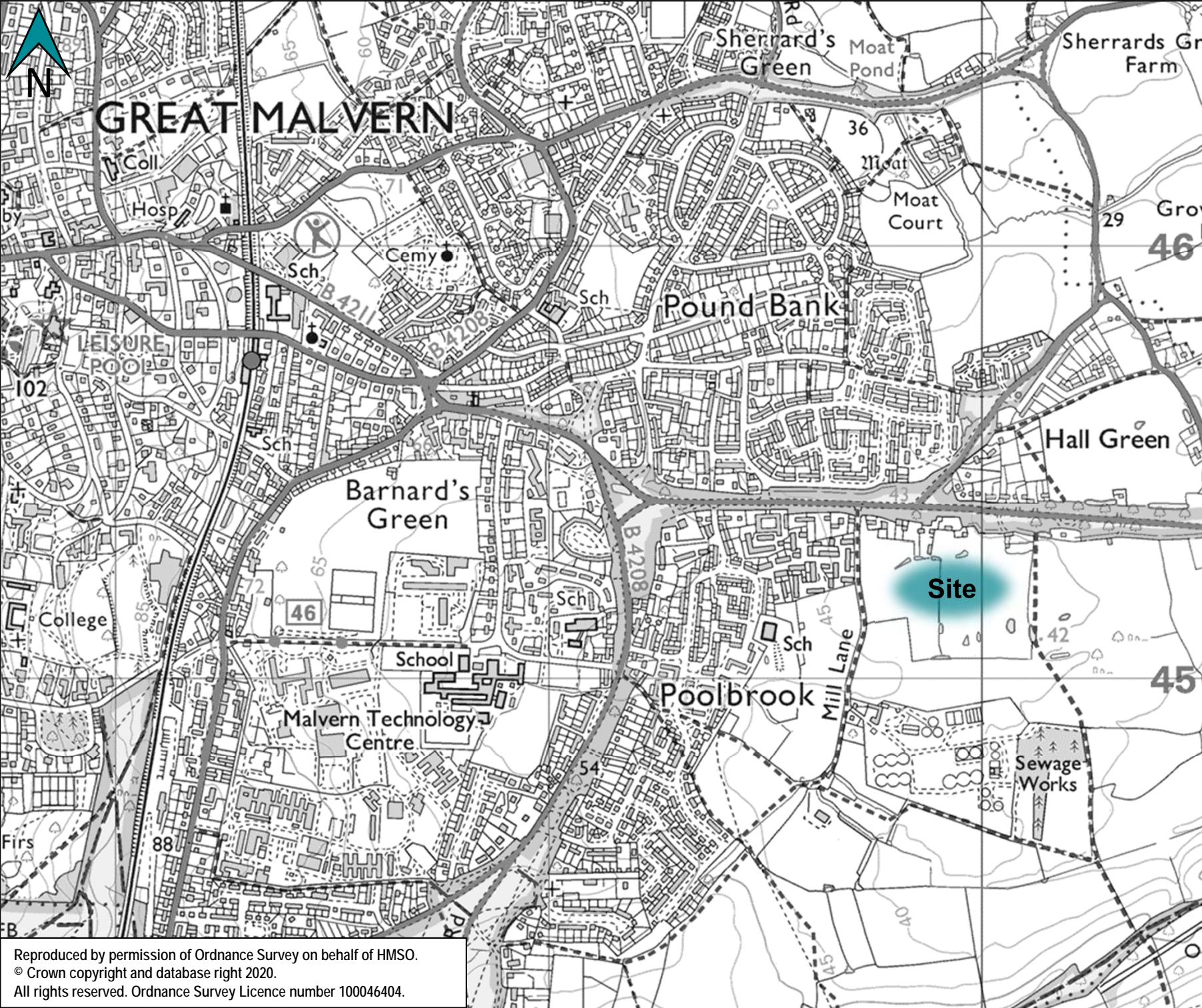
### Conclusions

- 6.6 The National Planning Policy Framework (NPPF) states that opportunities to promote sustainable transport modes should be taken up and that safe and suitable access to the site is achievable for all users.
  - 6.7 The development is located to make use of existing infrastructure and services and is sustainable in transport terms. The development will promote the use of sustainable modes of transport and the site provides safe and suitable access for all users.
  - 6.8 Bearing the above in mind, the NPPF states:
- "Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network would be severe."*
- 6.9 The assessment work undertaken and detailed in this report demonstrates that, in NPPF terms, the development will have a minimal impact on the operation of the local highway network and on highway safety.
  - 6.10 On the basis of the above, it is concluded that the proposals accord with national, regional and local transport related policies and as such, it is considered there are no reasons why the proposals should be resisted on traffic or transportation grounds.

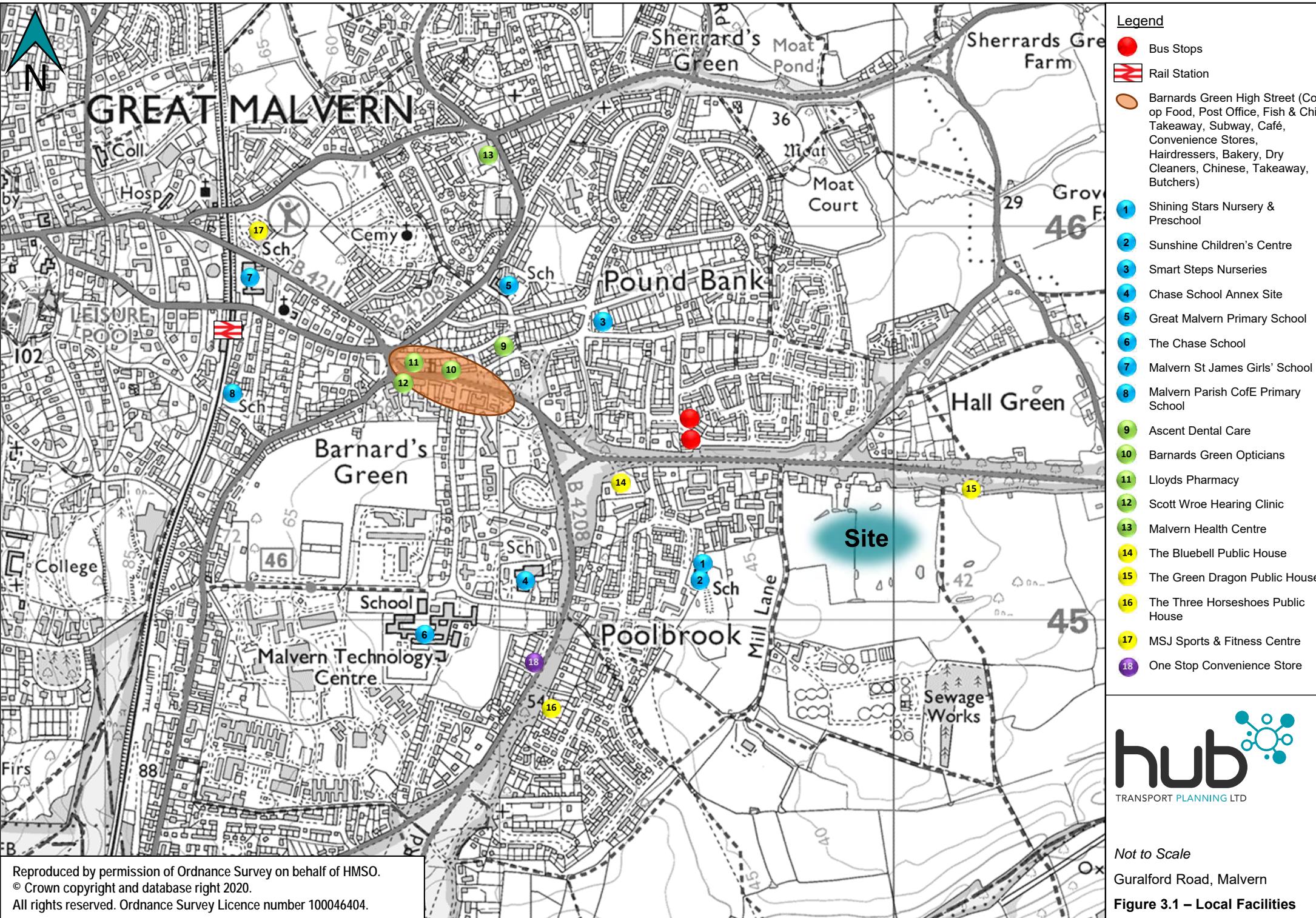
**T20504**  
Guarlford Road, Malvern

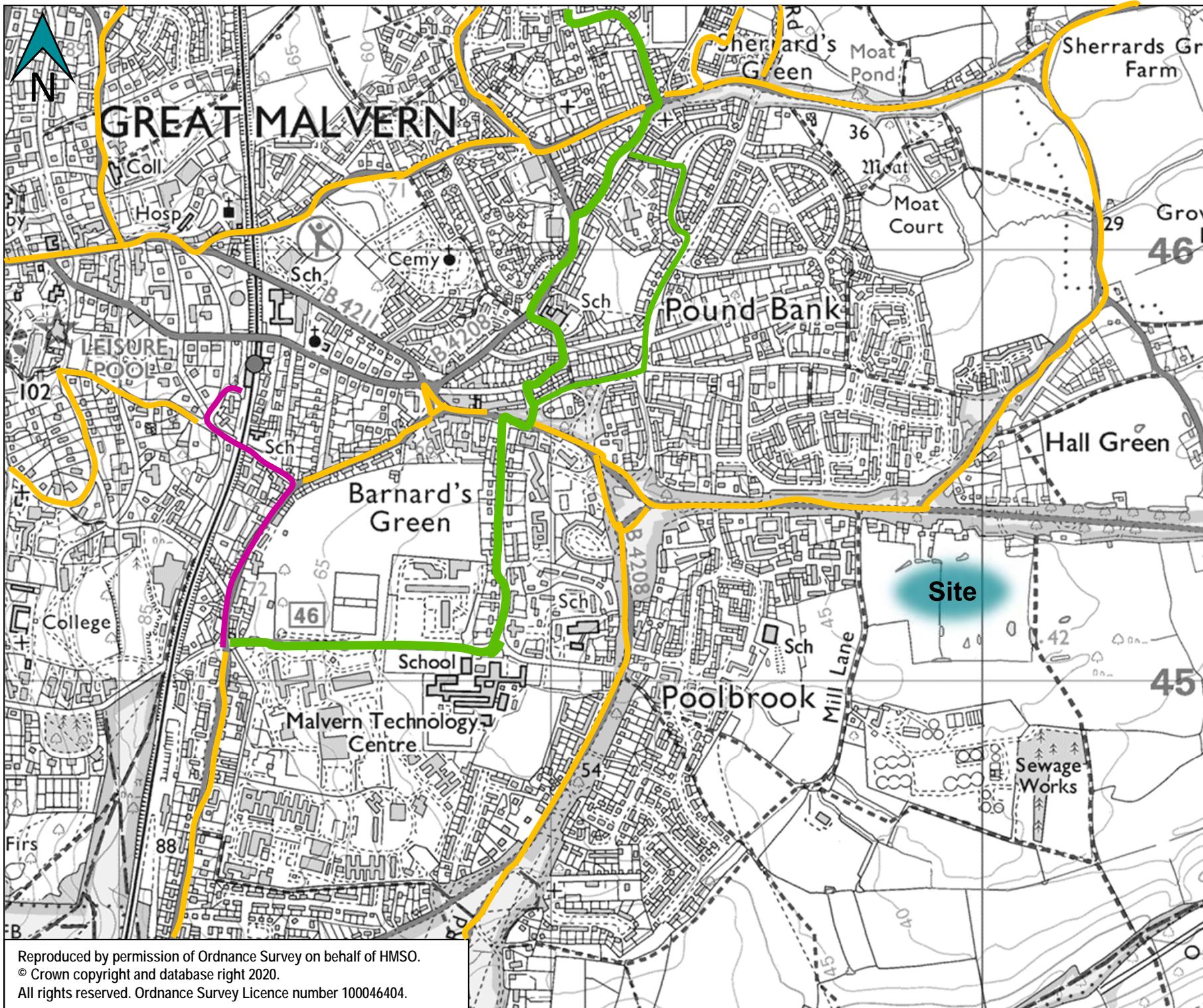


## Figures



Not to Scale  
Guralford Road, Malvern  
Figure 1.1 – Site Location Plan

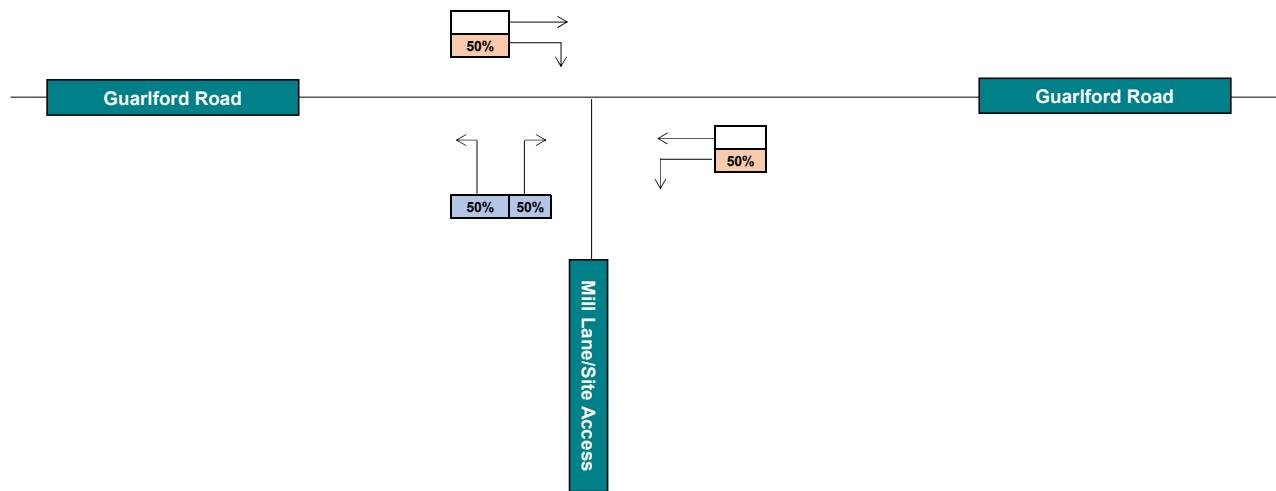




Not to Scale  
Guralford Road, Malver  
**Figure 3.2– Cycle Routes**



Arrivals  
Departures

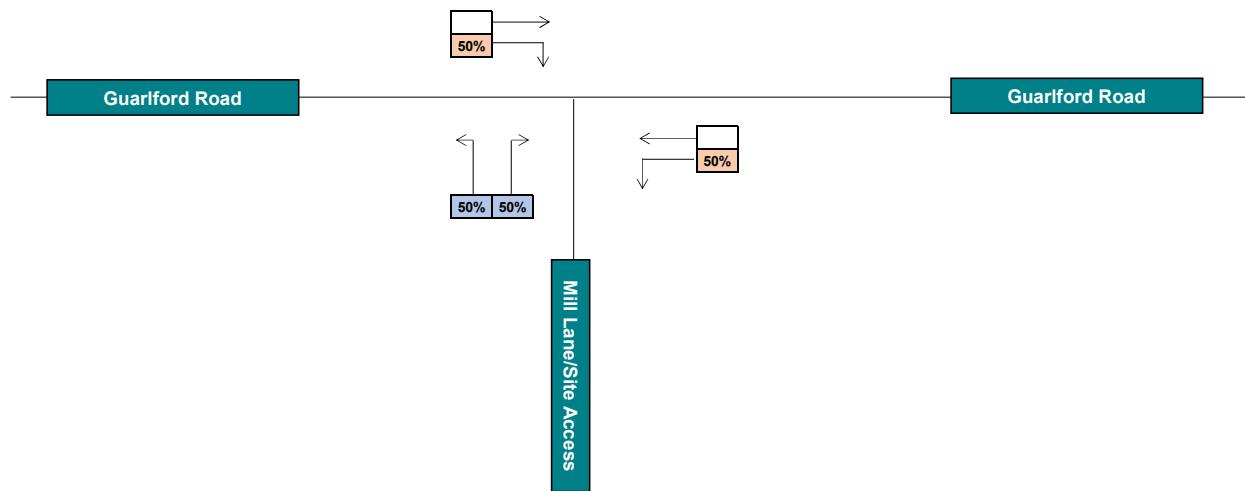


|     |   |
|-----|---|
| 123 | % |
|-----|---|

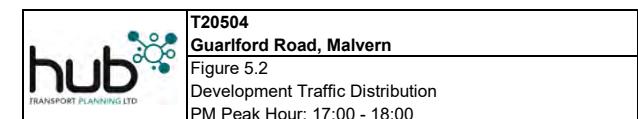


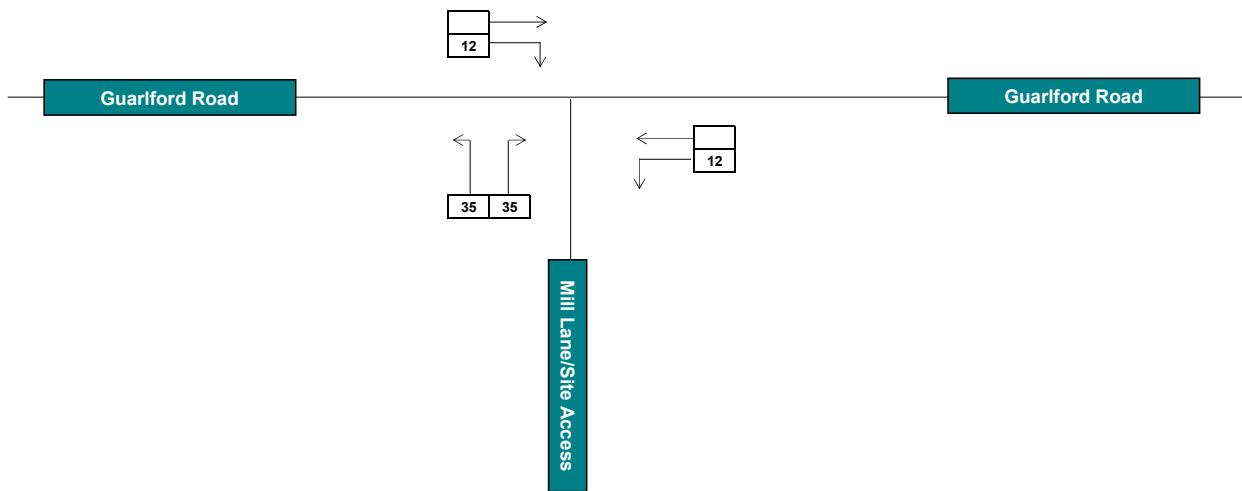


Arrivals  
Departures



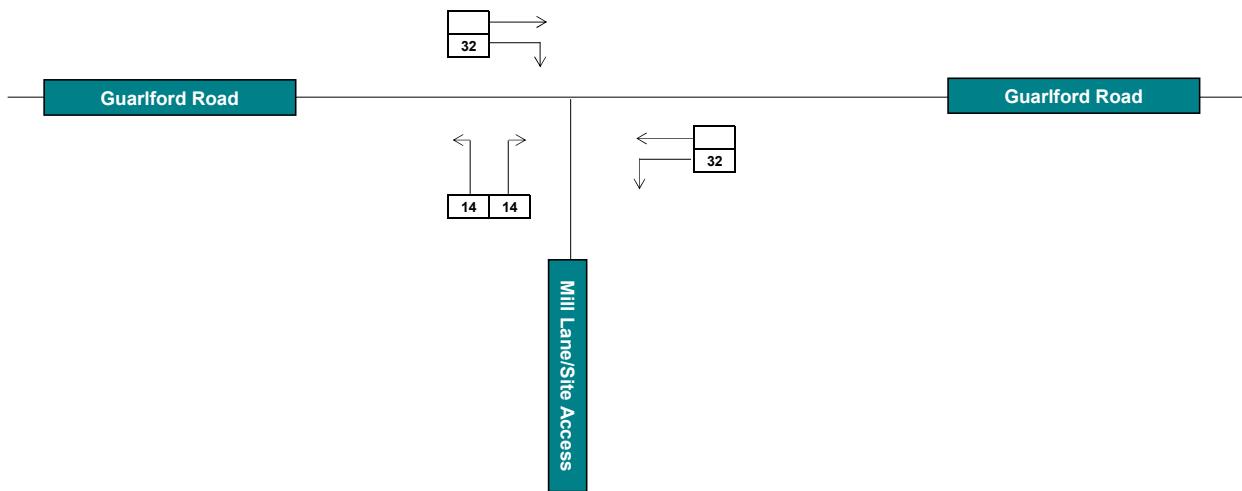
|     |   |
|-----|---|
| 123 | % |
|-----|---|





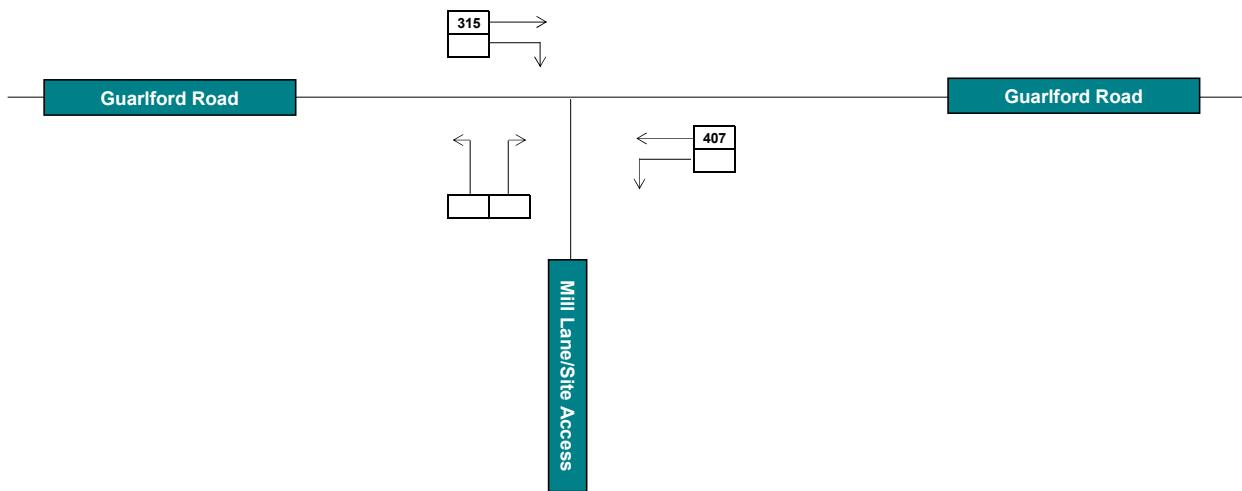
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|   |   |
|---|---|
| <br>hub<br>TRANSPORT PLANNING LTD. | T20504<br>Guarlford Road, Malvern<br>Figure 5.3<br>Development Traffic<br>AM Peak Hour: 08:00 - 09:00 |
|---|---|



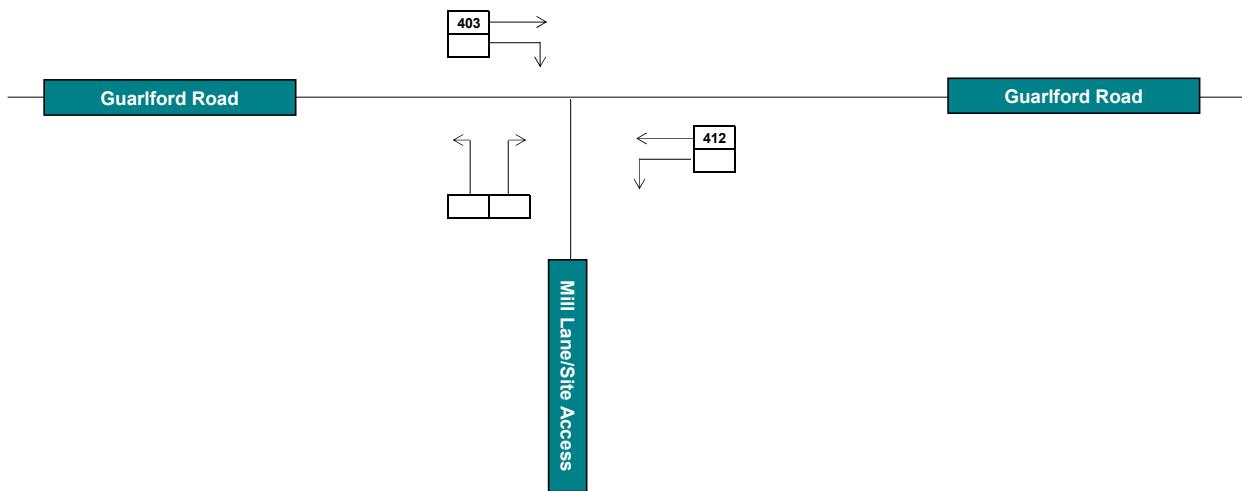
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|  |   |
|--|---|
| <br>hub<br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.4<br>Development Traffic<br>PM Peak Hour: 17:00 - 18:00 |
|--|---|



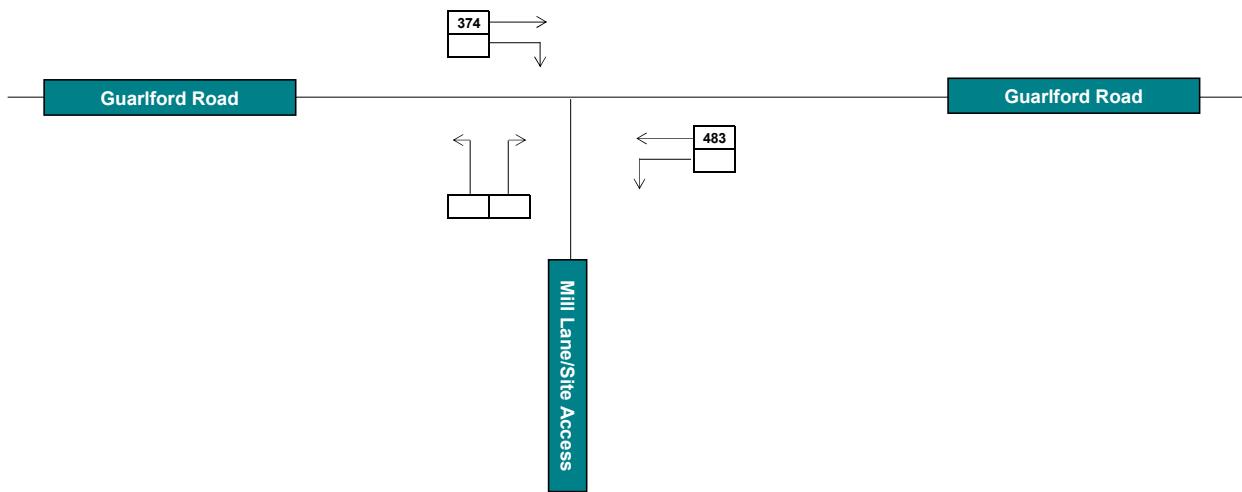
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|   |   |
|---|---|
| <br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.5<br>2020 Base PCUs (Adjusted)<br>AM Peak Hour: 08:00 - 09:00 |
|---|---|



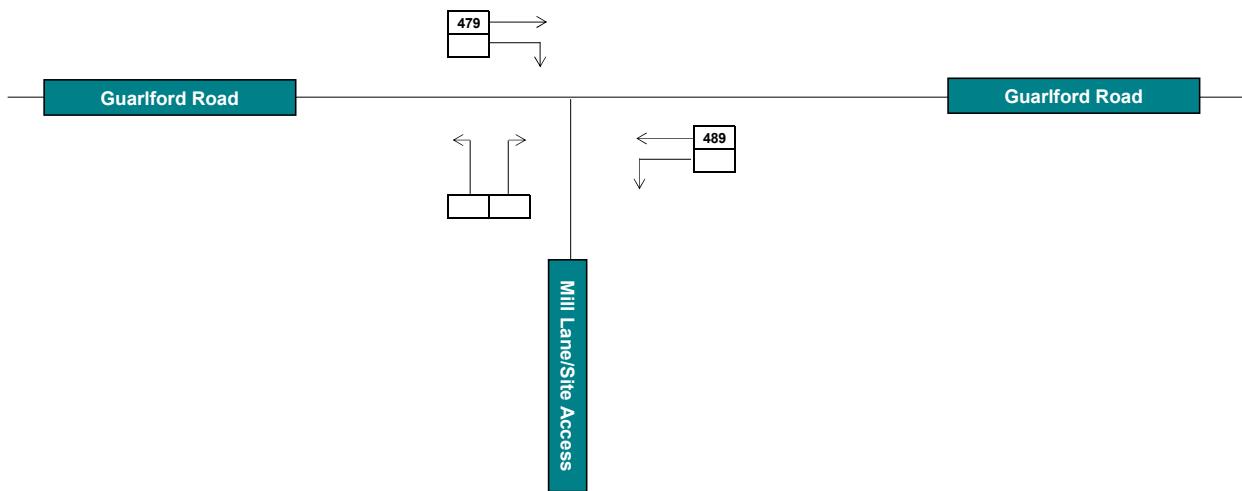
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|   |   |
|---|---|
| <br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.6<br>2020 Base PCUs (Adjusted)<br>PM Peak Hour: 17:00 - 18:00 |
|---|---|



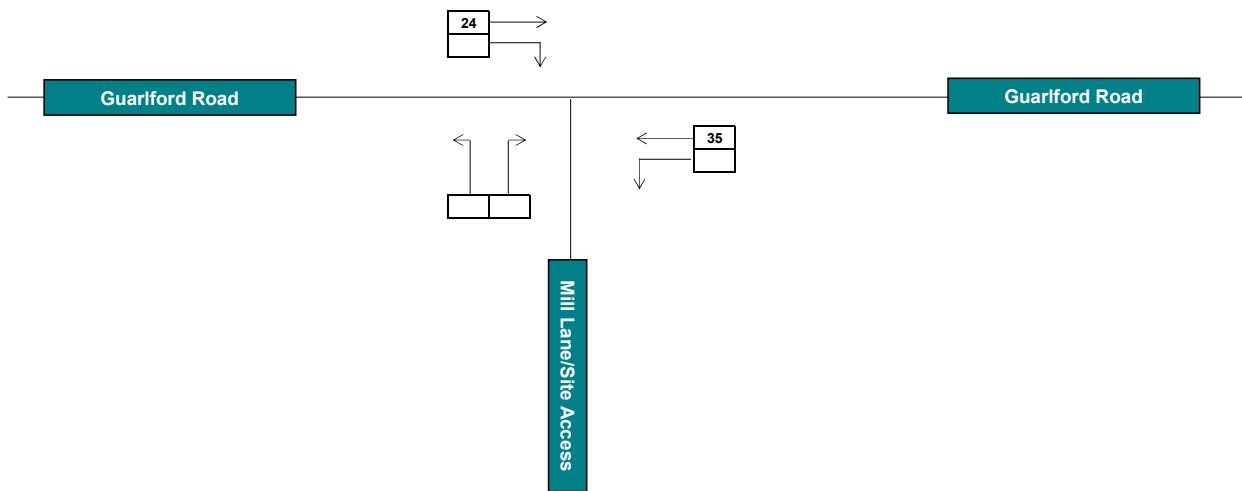
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|   |  |
|---|--|
| <br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.7<br>2041 Base PCUs<br>AM Peak Hour: 08:00 - 09:00 |
|---|--|



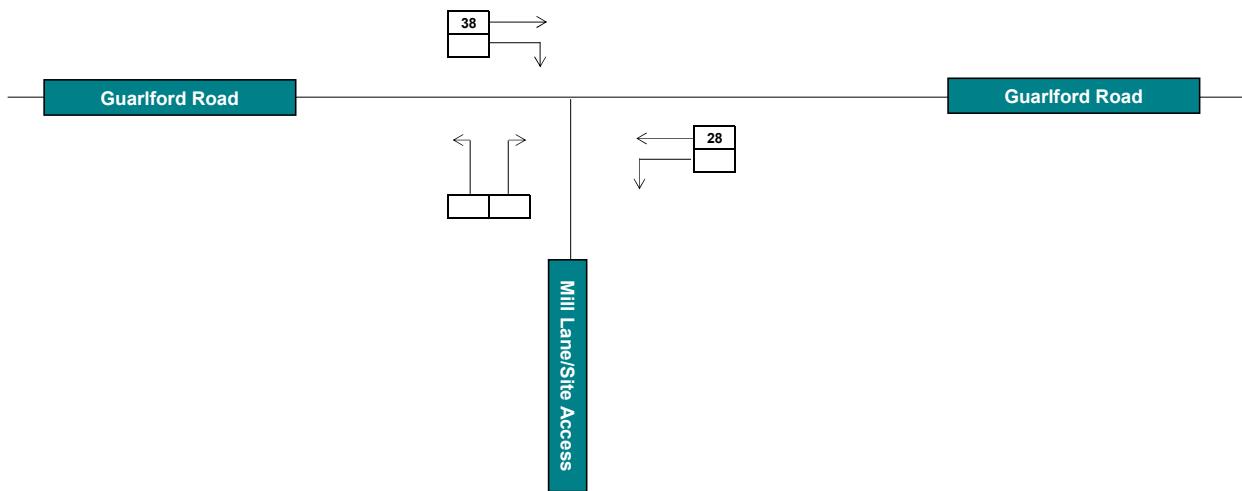
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|  |  |
|--|--|
| <br>hub<br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.8<br>2041 Base PCUs<br>PM Peak Hour: 17:00 - 18:00 |
|--|--|



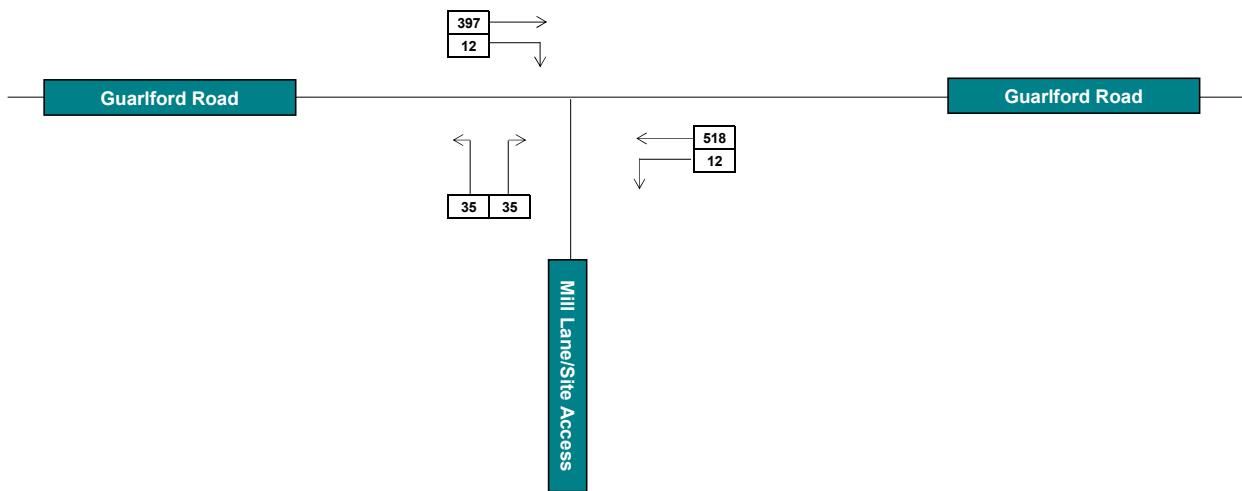
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|   |   |
|---|---|
| <br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.9<br>Committed Development<br>AM Peak Hour: 08:00 - 09:00 |
|---|---|



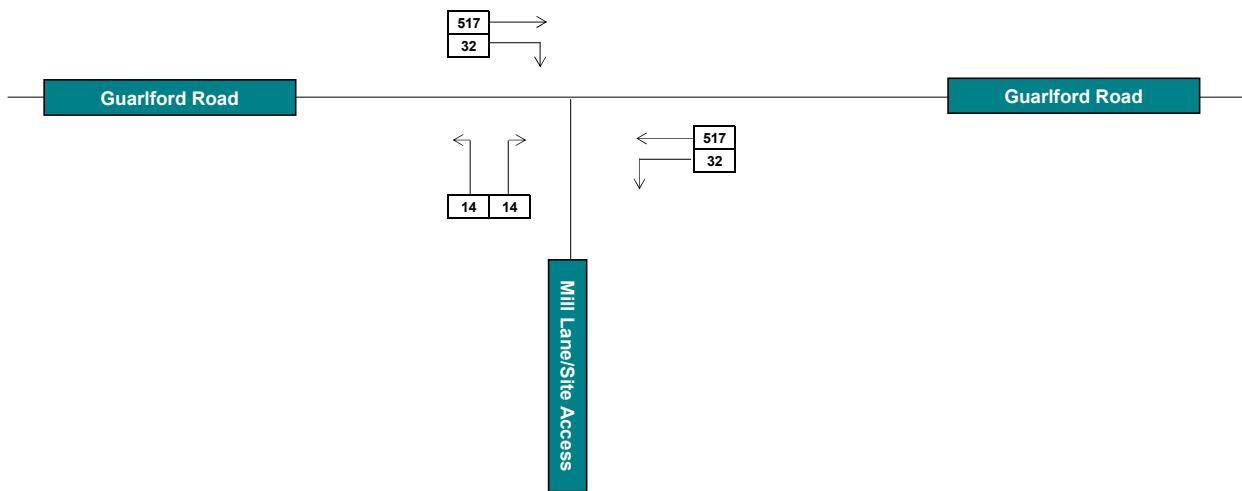
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|  |   |
|--|---|
| <br>hub<br>TRANSPORT PLANNING LTD | T20504<br>Guarford Road, Malvern<br>Figure 5.10<br>Committed Development<br>PM Peak Hour: 17:00 - 18:00 |
|--|---|



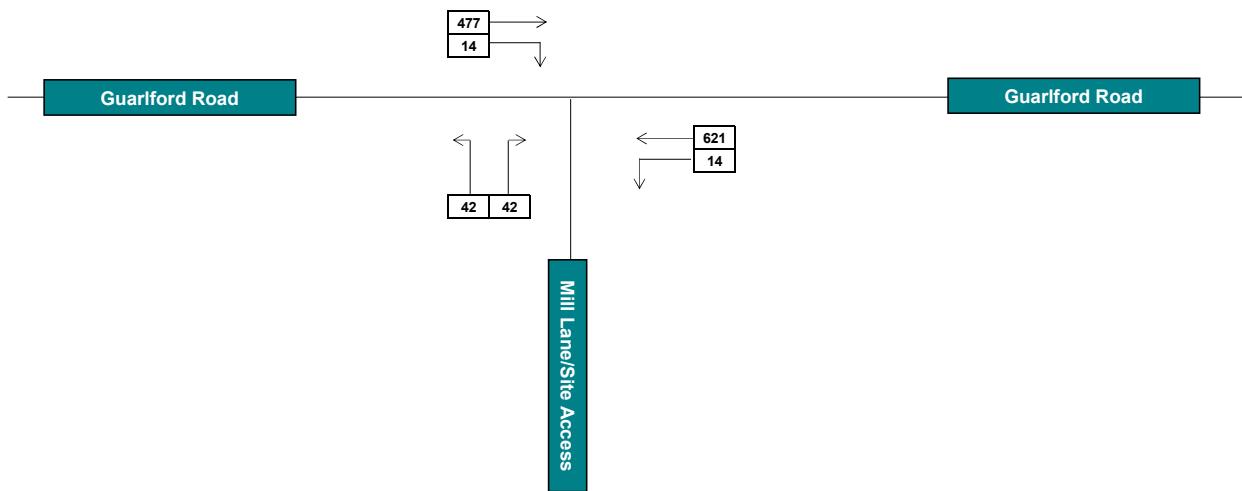
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|   |   |
|---|---|
| <br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.11<br>2041 Base + Committed + Development PCUs<br>AM Peak Hour: 08:00 - 09:00 |
|---|---|



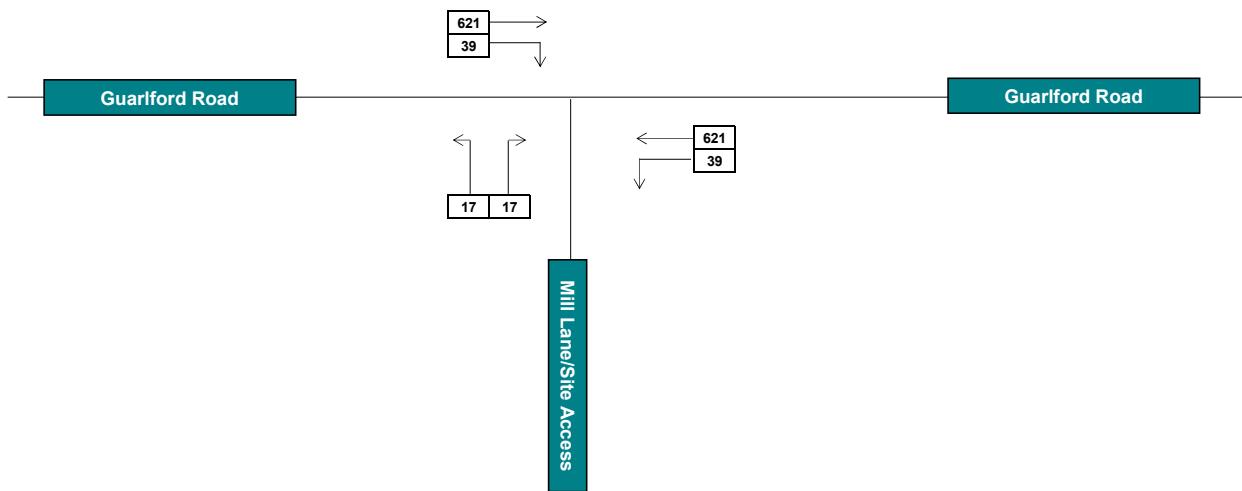
|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|  |   |
|--|---|
| <br>hub<br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.12<br>2041 Base + Committed + Development PCUs<br>PM Peak Hour: 17:00 - 18:00 |
|--|---|



|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|





|     |      |
|-----|------|
| 123 | PCUs |
|-----|------|

|  |   |
|--|---|
| <br>hub<br>TRANSPORT PLANNING LTD | T20504<br>Guarlford Road, Malvern<br>Figure 5.14<br>2041 Base + Committed + Development Sensitivity Test<br>PM Peak Hour: 17:00 - 18:00 |
|--|---|

**T20504**  
Guarlford Road, Malvern



## Drawings

**OVERVIEW AND VISIBILITY SPLAYS - 1:000 @ A1**

EXISTING 30MPH SPEED LIMIT TO BE  
RELOCATED FURTHER EAST.

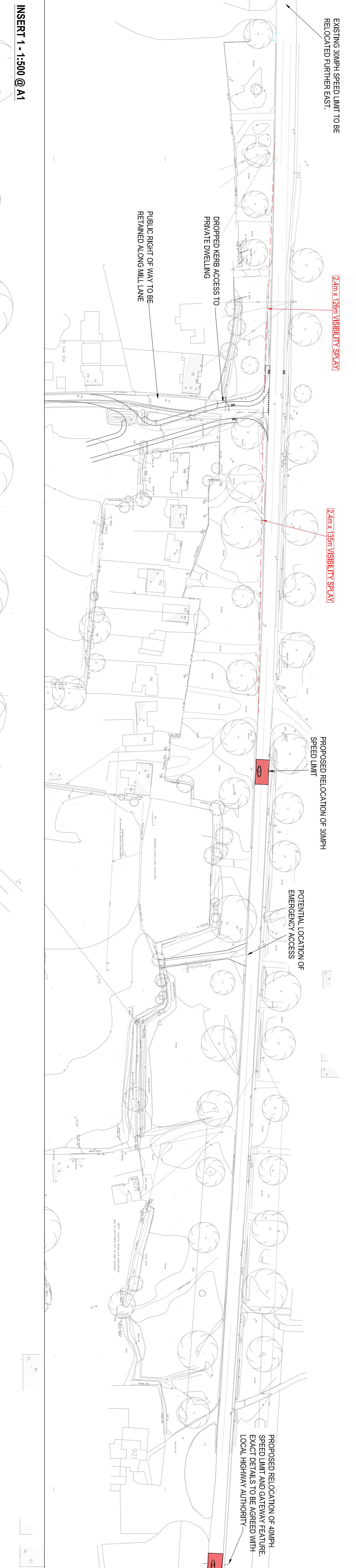
2.4m x 12m VISIBILITY SPLAY

2.2m x 13m VISIBILITY SPLAY

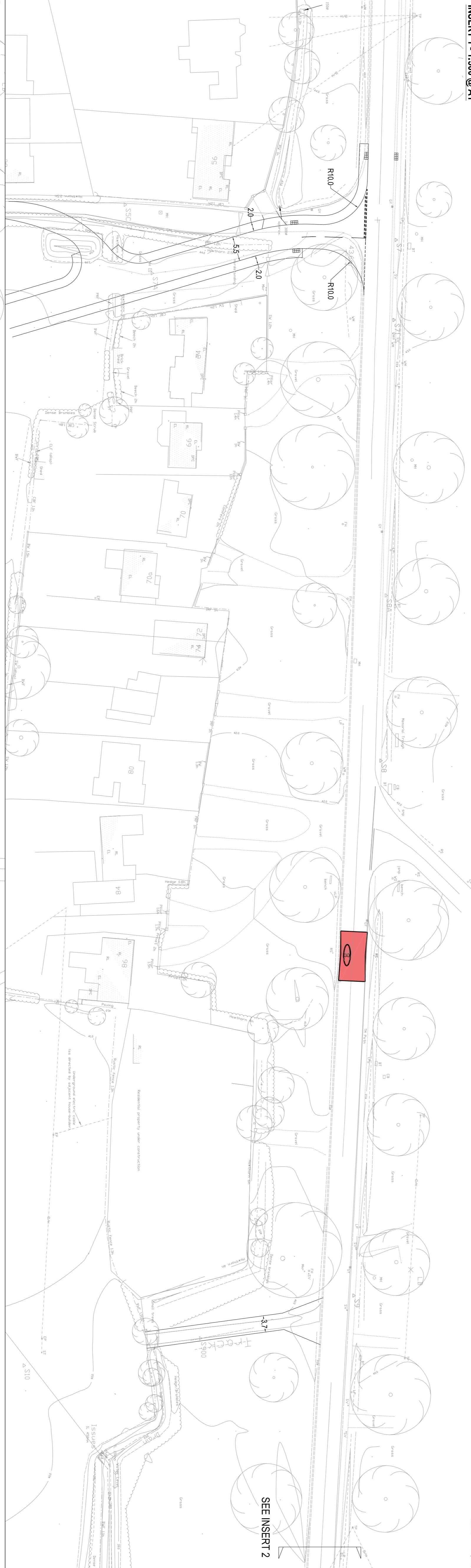
PROPOSED RELOCATION OF 30MPH  
SPEED LIMIT

POTENTIAL LOCATION OF  
EMERGENCY ACCESS

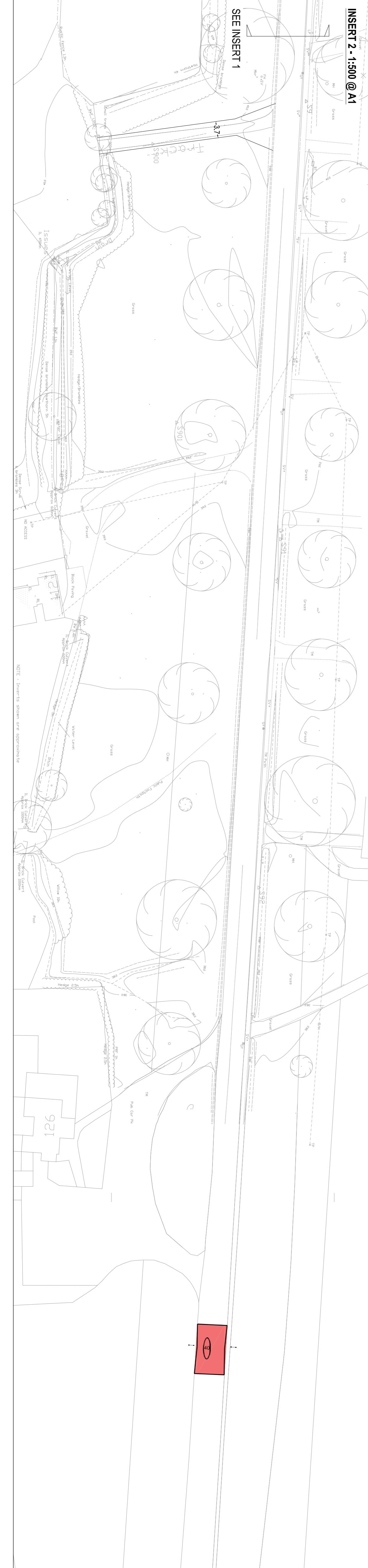
PROPOSED RELOCATION OF 40MPH  
SPEED LIMIT AND GATEWAY FEATURE.  
EACH DEPALS TO BE AGREED WITH  
LOCAL HIGHWAY AUTHORITY



**INSERT 1-1:500 @ A1**



**INSERT 2 - 1:500 @ A1**



**SEE INSERT 1**

**SEE INSERT 2**

1. THIS DRAWING IS NOT TO BE SCALED FOR CONSTRUCTION PURPOSES.
2. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND LEVELS  
ON SITE.



Hub Transport Planning Ltd  
Radyr House  
608 Highgate Road  
Bridgend  
West Midlands  
B76 9PF  
T: 0121 454 5530

**CLIENT**  
**FISHER GERMAN**  
**PROJECT**  
**GUARLFORD ROAD, MALVERN**  
**PROPOSED SITE ACCESS LAYOUT**

| DRAWN BY    | AUTHORISED BY | SCALE       | SHEET SIZE | DATE     |
|-------------|---------------|-------------|------------|----------|
| PROJECT NO. |               | AS SHOWN    | A1         | 20/01/20 |
| JC          | JP            |             |            |          |
| T20 504     |               | DRAWING NO. | 001        | REV C    |

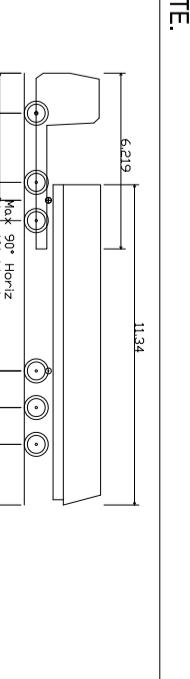
### OIL TANKER TURNING RIGHT IN

### OIL TANKER TURNING LEFT OUT

### OIL TANKER TURNING RIGHT OUT

### OIL TANKER TURNING LEFT IN

1. THIS DRAWING IS NOT TO BE SCALED FOR CONSTRUCTION PURPOSES.
2. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND LEVELS ON SITE.



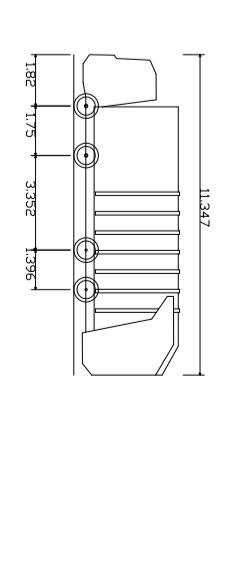
Oil Tanker  
Overall Length 15.029m  
Overall Width 3.750m  
Overall Body Height 2.450m  
Min Body Ground Clearance 0.415m  
Track Width 2.450m  
Lock to Lock time 4.05s  
Kerb to Kerb Turning Radius 6.670m  
Kerb to Kerb width 6.34m

### FARM TRACTOR & HAY WAGON TURNING RIGHT IN

### FARM TRACTOR & HAY WAGON TURNING LEFT IN

### FARM TRACTOR & HAY WAGON TURNING LEFT OUT

### FARM TRACTOR & HAY WAGON TURNING RIGHT OUT

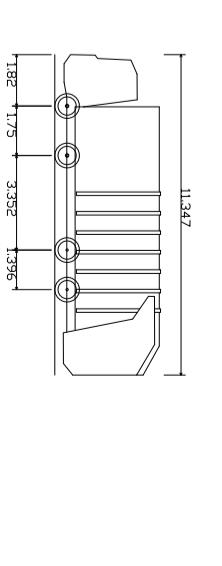


Farm tractor & hay wagon  
Overall Length 19.020m  
Overall Width 3.750m  
Overall Body Height 2.450m  
Max Body Ground Clearance 0.415m  
Track Width 2.450m  
Lock to Lock time 4.05s  
Kerb to Kerb Turning Radius 6.670m  
Kerb to Kerb width 11.347m  
Wheel to Wheel Turning Radius 11.337m

### LARGE REFUSE VEHICLE TURNING RIGHT IN

### LARGE REFUSE VEHICLE TURNING LEFT OUT

### LARGE REFUSE VEHICLE TURNING RIGHT OUT



Large Refuse Vehicle (4 axle)  
Overall Length 11.347m  
Overall Width 3.750m  
Overall Body Height 2.450m  
Max Body Ground Clearance 0.415m  
Track Width 2.450m  
Lock to Lock time 4.05s  
Kerb to Kerb Turning Radius 6.670m  
Kerb to Kerb width 11.347m  
Wheel to Wheel Turning Radius 11.337m

### LARGE REFUSE VEHICLE TURNING LEFT IN

### LARGE REFUSE VEHICLE TURNING LEFT OUT

### LARGE REFUSE VEHICLE TURNING LEFT IN

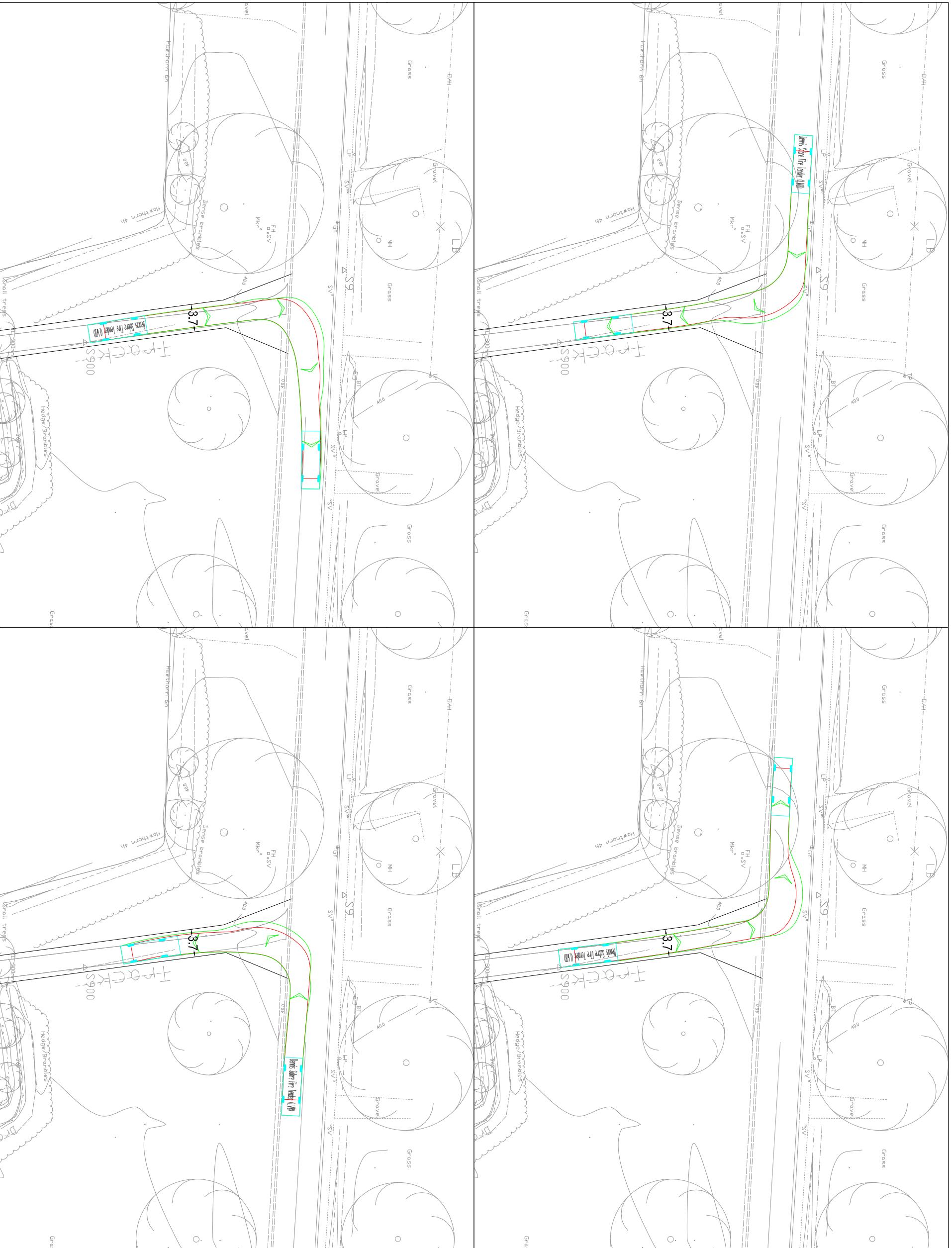
PROJECT  
GUARLFORD ROAD, MALVERN



Hub Transport Planning Ltd  
Radcliffe House  
6608 Hagley Road  
Edgbaston  
Birmingham  
West Midlands  
B16 8PF  
T: 0121 454 5530

### PROPOSED SITE ACCESS LAYOUT SWEPT PATH ANALYSIS

| DRAWN | AUTHORISED | SCALE  | SHEET SIZE | DATE     | REV |
|-------|------------|--------|------------|----------|-----|
| JC    | JP         | 1:1000 | A2         | 20.01.20 | B   |



| PROPOSED EMERGENCY ACCESS SWEPT PATH ANALYSIS |            |             |            |          |  |
|---|------------|-------------|------------|----------|--|
| DRAWN   | AUTHORISED | SCALE       | SHEET SIZE | DATE     |  |
| JC  | JP         | 1:500       | A3         | 06.04.20 |  |
| PROJECT NO.                                   |            | DRAWING NO. |            | REV      |  |
| T20504  |            | 003         |            | -        |  |

**CLIENT**  
**FISHER GERMAN**

**PROJECT**  
**GUARLDFORD ROAD, MALVERN**

**hubb**  
TRANSPORT PLANNING LTD

Hub Transport Planning Ltd  
Radcliffe House  
65/68 Hagley Road  
Edgbaston  
Birmingham  
West Midlands  
B16 8PF  
T: 0121 454 5530

**REV**      **DESCRIPTION**      **DATE** BY AUTH

1. THIS DRAWING IS NOT TO BE SCALED FOR CONSTRUCTION PURPOSES.  
 2. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND LEVELS ON SITE.

Dennis Sabre Fire Tender (LWB)  
 Overall Length 7.700m  
 Overall Width 2.430m  
 Min Body Ground Clearance 0.392m  
 Track Width 2.380m  
 Lock to Lock time 5.005s  
 Kerb to Kerb Turning Radius 7.400m

7.7  
 4.2  
 1.382

**T20504**  
Guarlford Road, Malvern



## Appendix A

### ATC Data

| 25064                |  | NORTON             |            |          |                          |                |            |            |                      |                    |
|----------------------|--|--------------------|------------|----------|--------------------------|----------------|------------|------------|----------------------|--------------------|
|                      |  | MARCH 2020         |            |          | Posted Speed Limit (PSL) |                |            |            |                      |                    |
| Site                 | Location   | Direction          | Start Date | End Date |                          | Total Vehicles | 5 Day Ave. | 7 Day Ave. | Average 85%ile Speed | Average Mean Speed |
| Site No:<br>25064002 | Site 2, Guarlford Road,<br>Malvern (40/60mph Sign)<br>SO 79898 45396 | Channel: Eastbound | 13/03/20   | 19/03/20 | 40/60                    | 18108          | 2897       | 2587       | 49.4                 | 42.1               |
|                      |  | Channel: Westbound | 13/03/20   | 19/03/20 |                          | 18514          | 2920       | 2645       | 48.6                 | 40.7               |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|-------------|----------|-------------|----------|------------|
| <b>13 March 2020</b> |                |              |               |            |            |           |             |          |             |          |            |
| 00:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 0              | 0            | 0.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 5              | 0            | 4.0           | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 10             | 0            | 10.0          | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 39             | 0            | 33.0          | 5          | 0.0        | 1         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 151            | 0            | 131.0         | 19         | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 07:00                | 261            | 2            | 231.0         | 27         | 0.0        | 0         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| <b>08:00</b>         | <b>275</b>     | <b>1</b>     | <b>242.0</b>  | <b>29</b>  | <b>0.0</b> | <b>2</b>  | <b>1.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 09:00                | 226            | 3            | 192.0         | 23         | 1.0        | 3         | 0.0         | 0        | 3.0         | 0        | 0.0        |
| 10:00                | 237            | 2            | 202.0         | 28         | 0.0        | 1         | 3.0         | 0        | 1.0         | 0        | 0.0        |
| 11:00                | 264            | 2            | 223.0         | 30         | 0.0        | 2         | 1.0         | 0        | 5.0         | 0        | 0.0        |
| 12:00                | 292            | 2            | 257.0         | 29         | 1.0        | 0         | 1.0         | 0        | 2.0         | 0        | 0.0        |
| 13:00                | 277            | 1            | 236.0         | 31         | 1.0        | 3         | 3.0         | 0        | 2.0         | 0        | 0.0        |
| 14:00                | 296            | 1            | 264.0         | 27         | 0.0        | 0         | 3.0         | 0        | 1.0         | 0        | 0.0        |
| <b>15:00</b>         | <b>348</b>     | <b>4</b>     | <b>311.0</b>  | <b>23</b>  | <b>0.0</b> | <b>2</b>  | <b>1.0</b>  | <b>0</b> | <b>2.0</b>  | <b>0</b> | <b>3.0</b> |
| 16:00                | 294            | 1            | 275.0         | 17         | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 17:00                | 229            | 1            | 211.0         | 14         | 0.0        | 0         | 1.0         | 0        | 2.0         | 0        | 0.0        |
| 18:00                | 149            | 1            | 141.0         | 5          | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 1.0        |
| 19:00                | 81             | 2            | 72.0          | 7          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 55             | 0            | 54.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 44             | 0            | 43.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 35             | 0            | 32.0          | 2          | 0.0        | 0         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 11             | 0            | 11.0          | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>3148</b>    | <b>21</b>    | <b>2785.0</b> | <b>283</b> | <b>3.0</b> | <b>13</b> | <b>15.0</b> | <b>0</b> | <b>19.0</b> | <b>0</b> | <b>4.0</b> |
| <b>16H(6-22)</b>     | <b>3479</b>    | <b>23</b>    | <b>3085.0</b> | <b>311</b> | <b>3.0</b> | <b>13</b> | <b>15.0</b> | <b>0</b> | <b>20.0</b> | <b>0</b> | <b>4.0</b> |
| <b>18H(6-24)</b>     | <b>3525</b>    | <b>23</b>    | <b>3128.0</b> | <b>313</b> | <b>3.0</b> | <b>13</b> | <b>16.0</b> | <b>0</b> | <b>20.0</b> | <b>0</b> | <b>4.0</b> |
| <b>24H(0-24)</b>     | <b>3585</b>    | <b>23</b>    | <b>3181.0</b> | <b>319</b> | <b>3.0</b> | <b>14</b> | <b>16.0</b> | <b>0</b> | <b>20.0</b> | <b>0</b> | <b>4.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV      | LGV %      | HGV      | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|----------|------------|----------|------------|----------|------------|
| <b>14 March 2020</b> |                |              |               |            |            |          |            |          |            |          |            |
| 00:00                | 12             | 0            | 11.0          | 1          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 01:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 02:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 03:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 04:00                | 9              | 0            | 8.0           | 0          | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 05:00                | 12             | 0            | 10.0          | 2          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 06:00                | 27             | 3            | 18.0          | 5          | 0.0        | 0        | 1.0        | 0        | 0.0        | 0        | 0.0        |
| 07:00                | 65             | 0            | 54.0          | 10         | 0.0        | 0        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| 08:00                | 123            | 1            | 107.0         | 15         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 09:00                | 164            | 1            | 156.0         | 6          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 1.0        |
| 10:00                | 169            | 2            | 150.0         | 14         | 1.0        | 0        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| <b>11:00</b>         | <b>176</b>     | <b>2</b>     | <b>161.0</b>  | <b>12</b>  | <b>0.0</b> | <b>1</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> |
| 12:00                | 181            | 0            | 173.0         | 8          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 13:00                | 187            | 4            | 176.0         | 6          | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| <b>14:00</b>         | <b>193</b>     | <b>2</b>     | <b>178.0</b>  | <b>8</b>   | <b>0.0</b> | <b>0</b> | <b>1.0</b> | <b>0</b> | <b>4.0</b> | <b>0</b> | <b>0.0</b> |
| 15:00                | 141            | 3            | 130.0         | 7          | 0.0        | 0        | 1.0        | 0        | 0.0        | 0        | 0.0        |
| 16:00                | 170            | 4            | 160.0         | 6          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 17:00                | 158            | 3            | 149.0         | 6          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 18:00                | 123            | 0            | 117.0         | 6          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 19:00                | 74             | 1            | 68.0          | 5          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 20:00                | 31             | 0            | 30.0          | 1          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 21:00                | 40             | 1            | 39.0          | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 22:00                | 27             | 1            | 26.0          | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 23:00                | 15             | 0            | 13.0          | 2          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1850</b>    | <b>22</b>    | <b>1711.0</b> | <b>104</b> | <b>1.0</b> | <b>2</b> | <b>2.0</b> | <b>0</b> | <b>6.0</b> | <b>0</b> | <b>1.0</b> |
| <b>16H(6-22)</b>     | <b>2022</b>    | <b>27</b>    | <b>1866.0</b> | <b>115</b> | <b>1.0</b> | <b>2</b> | <b>3.0</b> | <b>0</b> | <b>6.0</b> | <b>0</b> | <b>1.0</b> |
| <b>18H(6-24)</b>     | <b>2064</b>    | <b>28</b>    | <b>1905.0</b> | <b>117</b> | <b>1.0</b> | <b>2</b> | <b>3.0</b> | <b>0</b> | <b>6.0</b> | <b>0</b> | <b>1.0</b> |
| <b>24H(0-24)</b>     | <b>2103</b>    | <b>28</b>    | <b>1940.0</b> | <b>120</b> | <b>1.0</b> | <b>3</b> | <b>3.0</b> | <b>0</b> | <b>6.0</b> | <b>0</b> | <b>1.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS      | CARS %     | LGV      | LGV %      | HGV      | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-----------|------------|----------|------------|----------|------------|----------|------------|
| <b>15 March 2020</b> |                |              |               |           |            |          |            |          |            |          |            |
| 00:00                | 6              | 0            | 6.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 01:00                | 7              | 0            | 6.0           | 1         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 02:00                | 0              | 0            | 0.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 03:00                | 5              | 0            | 4.0           | 1         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 04:00                | 1              | 0            | 1.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 05:00                | 7              | 0            | 7.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 06:00                | 13             | 0            | 11.0          | 2         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 07:00                | 29             | 0            | 25.0          | 4         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 08:00                | 52             | 0            | 50.0          | 2         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 09:00                | 102            | 2            | 94.0          | 5         | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 10:00                | 115            | 0            | 110.0         | 5         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| <b>11:00</b>         | <b>146</b>     | <b>2</b>     | <b>139.0</b>  | <b>5</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> |
| <b>12:00</b>         | <b>171</b>     | <b>1</b>     | <b>157.0</b>  | <b>13</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> |
| 13:00                | 136            | 0            | 135.0         | 1         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 14:00                | 141            | 4            | 129.0         | 8         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 15:00                | 161            | 1            | 150.0         | 10        | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 16:00                | 103            | 1            | 100.0         | 2         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 17:00                | 103            | 1            | 97.0          | 2         | 0.0        | 1        | 0.0        | 0        | 2.0        | 0        | 0.0        |
| 18:00                | 69             | 0            | 66.0          | 3         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 19:00                | 60             | 0            | 56.0          | 3         | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 20:00                | 39             | 0            | 37.0          | 1         | 0.0        | 0        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| 21:00                | 26             | 0            | 24.0          | 2         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 22:00                | 16             | 0            | 16.0          | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 23:00                | 10             | 0            | 8.0           | 1         | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1328</b>    | <b>12</b>    | <b>1252.0</b> | <b>60</b> | <b>0.0</b> | <b>2</b> | <b>0.0</b> | <b>0</b> | <b>2.0</b> | <b>0</b> | <b>0.0</b> |
| <b>16H(6-22)</b>     | <b>1466</b>    | <b>12</b>    | <b>1380.0</b> | <b>68</b> | <b>0.0</b> | <b>3</b> | <b>0.0</b> | <b>0</b> | <b>3.0</b> | <b>0</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>1492</b>    | <b>12</b>    | <b>1404.0</b> | <b>69</b> | <b>0.0</b> | <b>4</b> | <b>0.0</b> | <b>0</b> | <b>3.0</b> | <b>0</b> | <b>0.0</b> |
| <b>24H(0-24)</b>     | <b>1518</b>    | <b>12</b>    | <b>1428.0</b> | <b>71</b> | <b>0.0</b> | <b>4</b> | <b>0.0</b> | <b>0</b> | <b>3.0</b> | <b>0</b> | <b>0.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|-------------|----------|-------------|----------|------------|
| <b>16 March 2020</b> |                |              |               |            |            |           |             |          |             |          |            |
| 00:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 17             | 0            | 16.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 46             | 0            | 42.0          | 4          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 151            | 0            | 130.0         | 19         | 0.0        | 0         | 0.0         | 1        | 1.0         | 0        | 0.0        |
| <b>07:00</b>         | <b>287</b>     | 7            | 250.0         | 27         | 0.0        | 0         | 1.0         | 1        | 1.0         | 0        | 0.0        |
| 08:00                | 280            | 0            | 245.0         | 30         | 1.0        | 2         | 0.0         | 0        | 1.0         | 0        | 1.0        |
| 09:00                | 239            | 2            | 197.0         | 32         | 0.0        | 2         | 1.0         | 0        | 3.0         | 0        | 1.0        |
| 10:00                | 219            | 4            | 172.0         | 33         | 1.0        | 3         | 3.0         | 0        | 3.0         | 0        | 0.0        |
| 11:00                | 243            | 4            | 210.0         | 22         | 1.0        | 1         | 2.0         | 1        | 1.0         | 1        | 0.0        |
| 12:00                | 242            | 1            | 207.0         | 27         | 0.0        | 1         | 1.0         | 0        | 5.0         | 0        | 0.0        |
| 13:00                | 239            | 3            | 206.0         | 26         | 0.0        | 0         | 1.0         | 0        | 3.0         | 0        | 0.0        |
| 14:00                | 238            | 5            | 201.0         | 27         | 1.0        | 0         | 3.0         | 0        | 1.0         | 0        | 0.0        |
| 15:00                | 255            | 4            | 224.0         | 23         | 2.0        | 1         | 0.0         | 0        | 0.0         | 0        | 1.0        |
| <b>16:00</b>         | <b>272</b>     | 3            | 244.0         | 21         | 0.0        | 1         | 0.0         | 0        | 2.0         | 0        | 0.0        |
| 17:00                | 218            | 1            | 199.0         | 17         | 0.0        | 1         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 18:00                | 143            | 2            | 132.0         | 8          | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 19:00                | 81             | 2            | 74.0          | 3          | 0.0        | 0         | 0.0         | 0        | 2.0         | 0        | 0.0        |
| 20:00                | 41             | 0            | 39.0          | 2          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 33             | 1            | 30.0          | 2          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 21             | 0            | 20.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 6              | 0            | 6.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2875</b>    | <b>36</b>    | <b>2487.0</b> | <b>293</b> | <b>6.0</b> | <b>12</b> | <b>12.0</b> | <b>2</b> | <b>21.0</b> | <b>1</b> | <b>3.0</b> |
| <b>16H(6-22)</b>     | <b>3181</b>    | <b>39</b>    | <b>2760.0</b> | <b>319</b> | <b>6.0</b> | <b>12</b> | <b>12.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>3.0</b> |
| <b>18H(6-24)</b>     | <b>3208</b>    | <b>39</b>    | <b>2786.0</b> | <b>320</b> | <b>6.0</b> | <b>12</b> | <b>12.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>3.0</b> |
| <b>24H(0-24)</b>     | <b>3279</b>    | <b>39</b>    | <b>2852.0</b> | <b>325</b> | <b>6.0</b> | <b>12</b> | <b>12.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>3.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|-------------|----------|-------------|----------|------------|
| <b>17 March 2020</b> |                |              |               |            |            |           |             |          |             |          |            |
| 00:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 0              | 0            | 0.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 1              | 0            | 0.0           | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 0              | 0            | 0.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 15             | 0            | 14.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 34             | 0            | 33.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 140            | 1            | 120.0         | 15         | 1.0        | 0         | 1.0         | 1        | 1.0         | 0        | 0.0        |
| <b>07:00</b>         | <b>281</b>     | <b>6</b>     | <b>250.0</b>  | <b>23</b>  | <b>0.0</b> | <b>0</b>  | <b>0.0</b>  | <b>0</b> | <b>2.0</b>  | <b>0</b> | <b>0.0</b> |
| 08:00                | 249            | 1            | 218.0         | 23         | 0.0        | 2         | 2.0         | 0        | 0.0         | 0        | 1.0        |
| 09:00                | 222            | 3            | 189.0         | 26         | 0.0        | 2         | 0.0         | 0        | 1.0         | 0        | 1.0        |
| 10:00                | 212            | 2            | 173.0         | 30         | 0.0        | 0         | 1.0         | 1        | 2.0         | 0        | 1.0        |
| 11:00                | 252            | 1            | 210.0         | 30         | 2.0        | 4         | 2.0         | 0        | 2.0         | 0        | 0.0        |
| 12:00                | 216            | 1            | 180.0         | 25         | 0.0        | 5         | 2.0         | 0        | 2.0         | 0        | 0.0        |
| 13:00                | 195            | 0            | 163.0         | 27         | 0.0        | 1         | 1.0         | 0        | 2.0         | 0        | 1.0        |
| 14:00                | 205            | 0            | 172.0         | 21         | 1.0        | 2         | 1.0         | 1        | 5.0         | 0        | 1.0        |
| 15:00                | 212            | 6            | 182.0         | 23         | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| <b>16:00</b>         | <b>256</b>     | <b>3</b>     | <b>232.0</b>  | <b>19</b>  | <b>0.0</b> | <b>0</b>  | <b>2.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 17:00                | 215            | 1            | 194.0         | 20         | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 18:00                | 138            | 0            | 134.0         | 3          | 1.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 19:00                | 59             | 0            | 58.0          | 0          | 0.0        | 1         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 45             | 0            | 42.0          | 3          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 24             | 0            | 24.0          | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 15             | 0            | 15.0          | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 4              | 0            | 4.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2653</b>    | <b>24</b>    | <b>2297.0</b> | <b>270</b> | <b>4.0</b> | <b>16</b> | <b>11.0</b> | <b>2</b> | <b>17.0</b> | <b>0</b> | <b>5.0</b> |
| <b>16H(6-22)</b>     | <b>2921</b>    | <b>25</b>    | <b>2541.0</b> | <b>288</b> | <b>5.0</b> | <b>17</b> | <b>12.0</b> | <b>3</b> | <b>18.0</b> | <b>0</b> | <b>5.0</b> |
| <b>18H(6-24)</b>     | <b>2940</b>    | <b>25</b>    | <b>2560.0</b> | <b>288</b> | <b>5.0</b> | <b>17</b> | <b>12.0</b> | <b>3</b> | <b>18.0</b> | <b>0</b> | <b>5.0</b> |
| <b>24H(0-24)</b>     | <b>2993</b>    | <b>25</b>    | <b>2610.0</b> | <b>291</b> | <b>5.0</b> | <b>17</b> | <b>12.0</b> | <b>3</b> | <b>18.0</b> | <b>0</b> | <b>5.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %      | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|------------|----------|-------------|----------|------------|
| <b>18 March 2020</b> |                |              |               |            |            |           |            |          |             |          |            |
| 00:00                | 4              | 0            | 4.0           | 0          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 0              | 0            | 0.0           | 0          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 1              | 0            | 0.0           | 1          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 9              | 0            | 9.0           | 0          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 40             | 1            | 34.0          | 5          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 114            | 3            | 93.0          | 17         | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| <b>07:00</b>         | <b>237</b>     | <b>3</b>     | <b>206.0</b>  | <b>27</b>  | <b>0.0</b> | <b>1</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 08:00                | 230            | 2            | 198.0         | 28         | 1.0        | 1         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 09:00                | 177            | 1            | 157.0         | 19         | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 10:00                | 148            | 3            | 124.0         | 18         | 1.0        | 1         | 0.0        | 0        | 1.0         | 0        | 0.0        |
| 11:00                | 158            | 2            | 123.0         | 27         | 0.0        | 2         | 0.0        | 0        | 4.0         | 0        | 0.0        |
| 12:00                | 149            | 2            | 124.0         | 20         | 1.0        | 0         | 1.0        | 0        | 0.0         | 0        | 0.0        |
| 13:00                | 151            | 2            | 118.0         | 21         | 1.0        | 5         | 1.0        | 0        | 3.0         | 0        | 0.0        |
| 14:00                | 139            | 0            | 114.0         | 22         | 0.0        | 1         | 0.0        | 0        | 2.0         | 0        | 0.0        |
| 15:00                | 179            | 2            | 163.0         | 11         | 0.0        | 0         | 0.0        | 0        | 2.0         | 0        | 0.0        |
| <b>16:00</b>         | <b>226</b>     | <b>1</b>     | <b>200.0</b>  | <b>22</b>  | <b>1.0</b> | <b>1</b>  | <b>0.0</b> | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 17:00                | 182            | 0            | 172.0         | 8          | 0.0        | 0         | 1.0        | 0        | 1.0         | 0        | 0.0        |
| 18:00                | 105            | 0            | 94.0          | 10         | 0.0        | 0         | 0.0        | 0        | 1.0         | 0        | 0.0        |
| 19:00                | 61             | 0            | 54.0          | 7          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 33             | 0            | 33.0          | 0          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 29             | 1            | 27.0          | 1          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 15             | 0            | 13.0          | 2          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 5              | 0            | 5.0           | 0          | 0.0        | 0         | 0.0        | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2081</b>    | <b>18</b>    | <b>1793.0</b> | <b>233</b> | <b>5.0</b> | <b>12</b> | <b>3.0</b> | <b>0</b> | <b>15.0</b> | <b>0</b> | <b>0.0</b> |
| <b>16H(6-22)</b>     | <b>2318</b>    | <b>22</b>    | <b>2000.0</b> | <b>258</b> | <b>5.0</b> | <b>12</b> | <b>3.0</b> | <b>0</b> | <b>15.0</b> | <b>0</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>2338</b>    | <b>22</b>    | <b>2018.0</b> | <b>260</b> | <b>5.0</b> | <b>12</b> | <b>3.0</b> | <b>0</b> | <b>15.0</b> | <b>0</b> | <b>0.0</b> |
| <b>24H(0-24)</b>     | <b>2394</b>    | <b>23</b>    | <b>2067.0</b> | <b>266</b> | <b>5.0</b> | <b>12</b> | <b>3.0</b> | <b>0</b> | <b>15.0</b> | <b>0</b> | <b>0.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|-------------|----------|-------------|----------|------------|
| <b>19 March 2020</b> |                |              |               |            |            |           |             |          |             |          |            |
| 00:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 16             | 0            | 14.0          | 2          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 34             | 2            | 29.0          | 2          | 0.0        | 0         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 123            | 1            | 98.0          | 21         | 1.0        | 0         | 0.0         | 1        | 0.0         | 0        | 1.0        |
| <b>07:00</b>         | <b>237</b>     | <b>5</b>     | <b>200.0</b>  | <b>28</b>  | <b>0.0</b> | <b>0</b>  | <b>0.0</b>  | <b>0</b> | <b>4.0</b>  | <b>0</b> | <b>0.0</b> |
| 08:00                | 196            | 1            | 162.0         | 28         | 0.0        | 1         | 2.0         | 0        | 1.0         | 0        | 1.0        |
| 09:00                | 143            | 1            | 126.0         | 11         | 1.0        | 2         | 1.0         | 0        | 1.0         | 0        | 0.0        |
| 10:00                | 135            | 1            | 113.0         | 16         | 0.0        | 2         | 2.0         | 0        | 0.0         | 0        | 0.0        |
| 11:00                | 123            | 1            | 97.0          | 19         | 1.0        | 1         | 1.0         | 0        | 3.0         | 0        | 0.0        |
| 12:00                | 147            | 0            | 121.0         | 20         | 1.0        | 2         | 1.0         | 0        | 2.0         | 0        | 0.0        |
| 13:00                | 121            | 0            | 102.0         | 15         | 0.0        | 1         | 2.0         | 0        | 1.0         | 0        | 0.0        |
| 14:00                | 158            | 1            | 132.0         | 17         | 1.0        | 1         | 2.0         | 0        | 4.0         | 0        | 0.0        |
| 15:00                | 159            | 1            | 134.0         | 19         | 0.0        | 2         | 0.0         | 0        | 2.0         | 0        | 1.0        |
| 16:00                | 182            | 0            | 167.0         | 13         | 0.0        | 1         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| <b>17:00</b>         | <b>216</b>     | <b>1</b>     | <b>200.0</b>  | <b>14</b>  | <b>0.0</b> | <b>0</b>  | <b>0.0</b>  | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 18:00                | 95             | 1            | 91.0          | 3          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 19:00                | 48             | 0            | 47.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 43             | 0            | 39.0          | 4          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 27             | 0            | 25.0          | 2          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 20             | 0            | 17.0          | 3          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 7              | 0            | 4.0           | 2          | 0.0        | 1         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1912</b>    | <b>13</b>    | <b>1645.0</b> | <b>203</b> | <b>4.0</b> | <b>13</b> | <b>12.0</b> | <b>0</b> | <b>19.0</b> | <b>0</b> | <b>2.0</b> |
| <b>16H(6-22)</b>     | <b>2153</b>    | <b>14</b>    | <b>1854.0</b> | <b>231</b> | <b>5.0</b> | <b>13</b> | <b>12.0</b> | <b>1</b> | <b>19.0</b> | <b>0</b> | <b>3.0</b> |
| <b>18H(6-24)</b>     | <b>2180</b>    | <b>14</b>    | <b>1875.0</b> | <b>236</b> | <b>5.0</b> | <b>14</b> | <b>12.0</b> | <b>1</b> | <b>19.0</b> | <b>0</b> | <b>3.0</b> |
| <b>24H(0-24)</b>     | <b>2236</b>    | <b>16</b>    | <b>1924.0</b> | <b>240</b> | <b>5.0</b> | <b>14</b> | <b>13.0</b> | <b>1</b> | <b>19.0</b> | <b>0</b> | <b>3.0</b> |

25064

NORTON

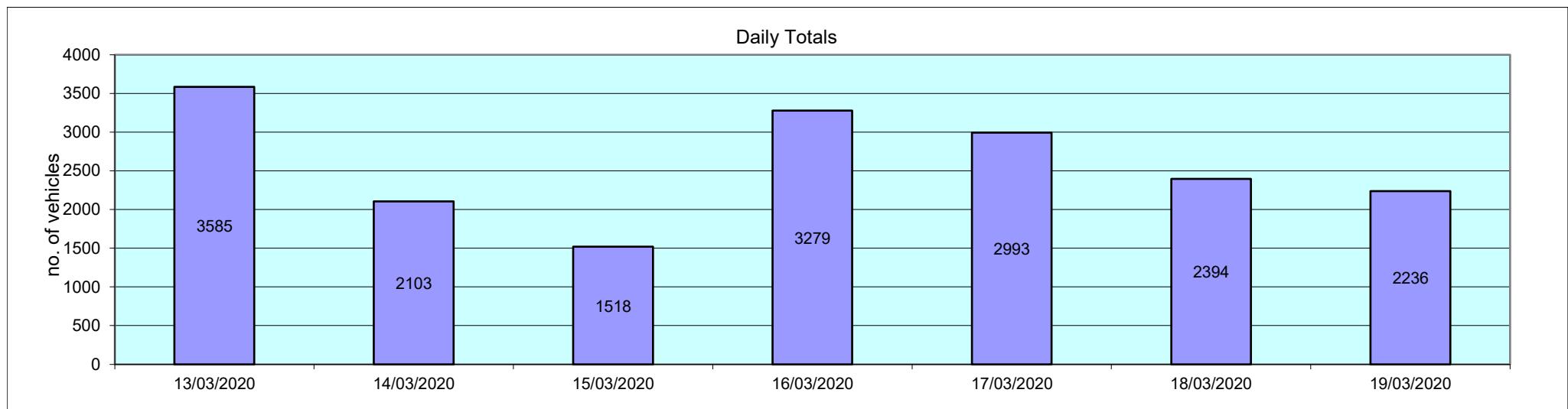
Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD           | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS | CARS % | LGV | LGV % | HGV | HGV % | BUS | BUS % |
|-----------------------|----------------|--------------|---------------|------|--------|-----|-------|-----|-------|-----|-------|
| <b>Daily Totals</b>   |                |              |               |      |        |     |       |     |       |     |       |
| 13/3/20               | <b>3585</b>    | 23           | 3181.0        | 319  | 3.0    | 14  | 16.0  | 0   | 20.0  | 0   | 4.0   |
| 14/3/20               | <b>2103</b>    | 28           | 1940.0        | 120  | 1.0    | 3   | 3.0   | 0   | 6.0   | 0   | 1.0   |
| 15/3/20               | <b>1518</b>    | 12           | 1428.0        | 71   | 0.0    | 4   | 0.0   | 0   | 3.0   | 0   | 0.0   |
| 16/3/20               | <b>3279</b>    | 39           | 2852.0        | 325  | 6.0    | 12  | 12.0  | 3   | 24.0  | 1   | 3.0   |
| 17/3/20               | <b>2993</b>    | 25           | 2610.0        | 291  | 5.0    | 17  | 12.0  | 3   | 18.0  | 0   | 5.0   |
| 18/3/20               | <b>2394</b>    | 23           | 2067.0        | 266  | 5.0    | 12  | 3.0   | 0   | 15.0  | 0   | 0.0   |
| 19/3/20               | <b>2236</b>    | 16           | 1924.0        | 240  | 5.0    | 14  | 13.0  | 1   | 19.0  | 0   | 3.0   |
| <b>Total Vehicles</b> |                |              |               |      |        |     |       |     |       |     |       |
| [--]                  | <b>18108</b>   | 166          | 2286.0        | 1632 | 3.6    | 76  | 8.4   | 7   | 15.0  | 1   | 2.3   |



25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46      | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|-------------|------------|------------|-----------|-----------|----------|----------|
| <b>13 March 2020</b> |                |              |            |            |          |           |            |            |             |             |            |            |           |           |          |          |
| 00:00                | 3              | 0            | 45         | 2          | 0        | 0         | 0          | 0          | 0           | 2           | 1          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0           | 0           | 0          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 3              | 0            | 60         | 2          | 0        | 0         | 0          | 0          | 0           | 0           | 0          | 0          | 2         | 1         | 0        | 0        |
| 03:00                | 5              | 0            | 54         | 10         | 0        | 0         | 0          | 0          | 0           | 2           | 0          | 1          | 0         | 1         | 1        | 0        |
| 04:00                | 10             | 56           | 50         | 7          | 0        | 0         | 0          | 0          | 1           | 2           | 3          | 2          | 1         | 1         | 0        | 0        |
| 05:00                | 39             | 57           | 49         | 8          | 0        | 0         | 0          | 0          | 6           | 12          | 7          | 7          | 4         | 2         | 0        | 1        |
| 06:00                | 151            | 56           | 48         | 9          | 0        | 3         | 4          | 1          | 16          | 32          | 40         | 32         | 16        | 2         | 3        | 2        |
| 07:00                | 261            | 52           | 44         | 9          | 0        | 4         | 14         | 16         | 43          | 82          | 58         | 26         | 13        | 3         | 1        | 1        |
| <b>08:00</b>         | <b>275</b>     | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>6</b>  | <b>9</b>   | <b>16</b>  | <b>88</b>   | <b>87</b>   | <b>46</b>  | <b>20</b>  | <b>2</b>  | <b>1</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 226            | 46           | 40         | 7          | 0        | 6         | 9          | 29         | 86          | 66          | 17         | 6          | 5         | 2         | 0        | 0        |
| 10:00                | 237            | 46           | 40         | 7          | 0        | 4         | 8          | 37         | 82          | 69          | 26         | 8          | 2         | 1         | 0        | 0        |
| 11:00                | 264            | 46           | 40         | 6          | 0        | 2         | 7          | 43         | 106         | 68          | 29         | 8          | 1         | 0         | 0        | 0        |
| 12:00                | 292            | 46           | 40         | 7          | 0        | 6         | 15         | 34         | 102         | 95          | 22         | 11         | 5         | 2         | 0        | 0        |
| 13:00                | 277            | 49           | 42         | 7          | 0        | 3         | 13         | 30         | 71          | 91          | 51         | 14         | 2         | 2         | 0        | 0        |
| 14:00                | 296            | 48           | 41         | 7          | 0        | 5         | 9          | 40         | 106         | 81          | 31         | 16         | 4         | 3         | 1        | 0        |
| <b>15:00</b>         | <b>348</b>     | <b>47</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>3</b>  | <b>9</b>   | <b>47</b>  | <b>112</b>  | <b>113</b>  | <b>46</b>  | <b>14</b>  | <b>4</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 16:00                | 294            | 49           | 42         | 7          | 0        | 3         | 4          | 26         | 103         | 93          | 40         | 16         | 4         | 3         | 0        | 2        |
| 17:00                | 229            | 49           | 43         | 7          | 0        | 2         | 6          | 22         | 54          | 84          | 46         | 9          | 2         | 3         | 1        | 0        |
| 18:00                | 149            | 50           | 42         | 8          | 0        | 3         | 3          | 15         | 48          | 41          | 22         | 9          | 5         | 2         | 0        | 1        |
| 19:00                | 81             | 53           | 44         | 8          | 0        | 0         | 2          | 9          | 20          | 19          | 13         | 12         | 4         | 1         | 0        | 1        |
| 20:00                | 55             | 51           | 44         | 9          | 0        | 2         | 2          | 3          | 7           | 23          | 10         | 5          | 1         | 2         | 0        | 0        |
| 21:00                | 44             | 53           | 46         | 8          | 0        | 0         | 0          | 4          | 9           | 12          | 9          | 6          | 1         | 2         | 1        | 0        |
| 22:00                | 35             | 50           | 42         | 9          | 0        | 1         | 2          | 6          | 7           | 6           | 9          | 3          | 1         | 0         | 0        | 0        |
| 23:00                | 11             | 51           | 44         | 5          | 0        | 0         | 0          | 0          | 3           | 5           | 1          | 2          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3148</b>    | <b>48</b>    | <b>41</b>  | <b>7</b>   | <b>0</b> | <b>47</b> | <b>106</b> | <b>355</b> | <b>1001</b> | <b>970</b>  | <b>434</b> | <b>157</b> | <b>49</b> | <b>22</b> | <b>3</b> | <b>4</b> |
| <b>16H(6-22)</b>     | <b>3479</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>52</b> | <b>114</b> | <b>372</b> | <b>1053</b> | <b>1056</b> | <b>506</b> | <b>212</b> | <b>71</b> | <b>29</b> | <b>7</b> | <b>7</b> |
| <b>18H(6-24)</b>     | <b>3525</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>53</b> | <b>116</b> | <b>378</b> | <b>1063</b> | <b>1067</b> | <b>516</b> | <b>217</b> | <b>72</b> | <b>29</b> | <b>7</b> | <b>7</b> |
| <b>24H(0-24)</b>     | <b>3585</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>53</b> | <b>116</b> | <b>378</b> | <b>1070</b> | <b>1085</b> | <b>527</b> | <b>227</b> | <b>79</b> | <b>34</b> | <b>8</b> | <b>8</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31    | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71    | =>71      |
|----------------------|----------------|--------------|------------|------------|----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|
| <b>14 March 2020</b> |                |              |            |            |          |           |           |            |            |            |            |            |           |           |           |           |
| 00:00                | 12             | 54           | 48         | 7          | 0        | 0         | 0         | 0          | 2          | 3          | 2          | 4          | 0         | 1         | 0         | 0         |
| 01:00                | 3              | 0            | 41         | 11         | 0        | 0         | 1         | 0          | 0          | 1          | 0          | 1          | 0         | 0         | 0         | 0         |
| 02:00                | 2              | 0            | 61         | 2          | 0        | 0         | 0         | 0          | 0          | 0          | 0          | 0          | 1         | 1         | 0         | 0         |
| 03:00                | 1              | 0            | 44         | 0          | 0        | 0         | 0         | 0          | 0          | 1          | 0          | 0          | 0         | 0         | 0         | 0         |
| 04:00                | 9              | 0            | 49         | 10         | 0        | 0         | 0         | 0          | 1          | 5          | 1          | 0          | 0         | 1         | 0         | 1         |
| 05:00                | 12             | 63           | 51         | 10         | 0        | 0         | 0         | 0          | 3          | 2          | 2          | 1          | 1         | 2         | 1         | 0         |
| 06:00                | 27             | 63           | 51         | 12         | 0        | 1         | 0         | 2          | 1          | 5          | 2          | 6          | 5         | 1         | 4         | 0         |
| 07:00                | 65             | 53           | 46         | 8          | 0        | 0         | 3         | 1          | 8          | 23         | 16         | 9          | 2         | 1         | 1         | 1         |
| 08:00                | 123            | 52           | 44         | 8          | 0        | 1         | 2         | 3          | 37         | 40         | 20         | 8          | 9         | 1         | 1         | 1         |
| 09:00                | 164            | 49           | 42         | 8          | 1        | 4         | 3         | 18         | 49         | 47         | 26         | 10         | 2         | 3         | 1         | 0         |
| 10:00                | 169            | 47           | 40         | 9          | 0        | 11        | 9         | 15         | 53         | 51         | 22         | 2          | 6         | 0         | 0         | 0         |
| <b>11:00</b>         | <b>176</b>     | 49           | 41         | 8          | 0        | 5         | 5         | 25         | 48         | 51         | 24         | 14         | 3         | 1         | 0         | 0         |
| 12:00                | 181            | 48           | 41         | 8          | 0        | 5         | 9         | 21         | 59         | 51         | 25         | 6          | 3         | 2         | 0         | 0         |
| 13:00                | 187            | 48           | 42         | 8          | 0        | 5         | 1         | 20         | 66         | 57         | 21         | 6          | 8         | 0         | 0         | 3         |
| <b>14:00</b>         | <b>193</b>     | 47           | 40         | 8          | 0        | 8         | 6         | 20         | 74         | 51         | 24         | 4          | 4         | 1         | 1         | 0         |
| 15:00                | 141            | 48           | 41         | 8          | 0        | 3         | 5         | 15         | 47         | 39         | 22         | 7          | 1         | 1         | 1         | 0         |
| 16:00                | 170            | 48           | 42         | 7          | 0        | 2         | 6         | 10         | 65         | 51         | 24         | 5          | 5         | 1         | 0         | 1         |
| 17:00                | 158            | 50           | 42         | 8          | 0        | 3         | 7         | 9          | 47         | 42         | 35         | 8          | 5         | 2         | 0         | 0         |
| 18:00                | 123            | 49           | 41         | 9          | 0        | 4         | 4         | 17         | 36         | 33         | 15         | 11         | 1         | 1         | 1         | 0         |
| 19:00                | 74             | 52           | 43         | 9          | 0        | 1         | 2         | 10         | 18         | 18         | 11         | 8          | 4         | 2         | 0         | 0         |
| 20:00                | 31             | 53           | 43         | 11         | 0        | 0         | 3         | 3          | 8          | 9          | 2          | 2          | 1         | 1         | 1         | 1         |
| 21:00                | 40             | 54           | 45         | 10         | 0        | 0         | 2         | 3          | 13         | 7          | 5          | 7          | 0         | 0         | 2         | 1         |
| 22:00                | 27             | 59           | 49         | 10         | 0        | 0         | 1         | 0          | 7          | 2          | 8          | 1          | 6         | 1         | 0         | 1         |
| 23:00                | 15             | 57           | 47         | 9          | 0        | 0         | 1         | 1          | 0          | 5          | 4          | 1          | 2         | 1         | 0         | 0         |
| <b>12H(7-19)</b>     | <b>1850</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>1</b> | <b>51</b> | <b>60</b> | <b>174</b> | <b>589</b> | <b>536</b> | <b>274</b> | <b>90</b>  | <b>49</b> | <b>14</b> | <b>6</b>  | <b>6</b>  |
| <b>16H(6-22)</b>     | <b>2022</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>1</b> | <b>53</b> | <b>67</b> | <b>192</b> | <b>629</b> | <b>575</b> | <b>294</b> | <b>113</b> | <b>59</b> | <b>18</b> | <b>13</b> | <b>8</b>  |
| <b>18H(6-24)</b>     | <b>2064</b>    | <b>50</b>    | <b>42</b>  | <b>9</b>   | <b>1</b> | <b>53</b> | <b>69</b> | <b>193</b> | <b>636</b> | <b>582</b> | <b>306</b> | <b>115</b> | <b>67</b> | <b>20</b> | <b>13</b> | <b>9</b>  |
| <b>24H(0-24)</b>     | <b>2103</b>    | <b>50</b>    | <b>42</b>  | <b>9</b>   | <b>1</b> | <b>53</b> | <b>70</b> | <b>193</b> | <b>642</b> | <b>594</b> | <b>311</b> | <b>121</b> | <b>69</b> | <b>25</b> | <b>14</b> | <b>10</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>15 March 2020</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 00:00                | 6              | 0            | 50         | 11         | 0      | 0      | 0      | 0      | 2      | 1      | 0      | 2      | 0      | 0      | 0      | 1    |
| 01:00                | 7              | 0            | 48         | 8          | 0      | 0      | 0      | 1      | 0      | 2      | 1      | 2      | 1      | 0      | 0      | 0    |
| 02:00                | 0              | 0            | 0          | 0          | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0    |
| 03:00                | 5              | 0            | 52         | 9          | 0      | 0      | 0      | 0      | 1      | 0      | 1      | 1      | 1      | 1      | 0      | 0    |
| 04:00                | 1              | 0            | 44         | 0          | 0      | 0      | 0      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0    |
| 05:00                | 7              | 0            | 51         | 5          | 0      | 0      | 0      | 0      | 0      | 0      | 5      | 1      | 0      | 1      | 0      | 0    |
| 06:00                | 13             | 60           | 50         | 9          | 0      | 0      | 0      | 0      | 3      | 3      | 0      | 2      | 3      | 2      | 0      | 0    |
| 07:00                | 29             | 54           | 47         | 7          | 0      | 0      | 1      | 0      | 5      | 6      | 7      | 8      | 2      | 0      | 0      | 0    |
| 08:00                | 52             | 55           | 46         | 9          | 0      | 1      | 0      | 1      | 12     | 13     | 11     | 8      | 4      | 0      | 1      | 1    |
| 09:00                | 102            | 53           | 44         | 9          | 0      | 4      | 2      | 4      | 23     | 25     | 22     | 18     | 4      | 0      | 0      | 0    |
| 10:00                | 115            | 49           | 41         | 8          | 0      | 5      | 3      | 11     | 38     | 28     | 23     | 7      | 0      | 0      | 0      | 0    |
| 11:00                | 146            | 46           | 41         | 7          | 0      | 3      | 6      | 12     | 51     | 51     | 19     | 3      | 0      | 0      | 0      | 1    |
| 12:00                | 171            | 48           | 41         | 7          | 0      | 3      | 5      | 17     | 55     | 54     | 24     | 9      | 4      | 0      | 0      | 0    |
| 13:00                | 136            | 49           | 42         | 7          | 0      | 3      | 1      | 12     | 42     | 47     | 19     | 8      | 4      | 0      | 0      | 0    |
| 14:00                | 141            | 48           | 41         | 7          | 0      | 3      | 3      | 14     | 60     | 29     | 24     | 5      | 2      | 0      | 0      | 1    |
| 15:00                | 161            | 48           | 41         | 8          | 0      | 3      | 6      | 23     | 52     | 43     | 22     | 7      | 3      | 1      | 1      | 0    |
| 16:00                | 103            | 50           | 42         | 8          | 0      | 3      | 2      | 12     | 23     | 37     | 14     | 9      | 3      | 0      | 0      | 0    |
| 17:00                | 103            | 50           | 44         | 8          | 0      | 3      | 2      | 3      | 30     | 27     | 26     | 7      | 1      | 3      | 1      | 0    |
| 18:00                | 69             | 48           | 42         | 7          | 0      | 1      | 4      | 4      | 18     | 29     | 7      | 3      | 3      | 0      | 0      | 0    |
| 19:00                | 60             | 53           | 44         | 8          | 0      | 1      | 1      | 4      | 16     | 16     | 10     | 7      | 3      | 2      | 0      | 0    |
| 20:00                | 39             | 54           | 46         | 9          | 0      | 0      | 0      | 4      | 8      | 10     | 8      | 4      | 2      | 2      | 0      | 1    |
| 21:00                | 26             | 49           | 44         | 8          | 0      | 0      | 0      | 3      | 8      | 9      | 3      | 1      | 0      | 1      | 1      | 0    |
| 22:00                | 16             | 49           | 42         | 8          | 0      | 0      | 1      | 1      | 7      | 3      | 2      | 1      | 1      | 0      | 0      | 0    |
| 23:00                | 10             | 64           | 53         | 11         | 0      | 0      | 0      | 1      | 1      | 1      | 1      | 1      | 2      | 2      | 1      | 0    |
| 12H(7-19)            | 1328           | 49           | 42         | 8          | 0      | 32     | 35     | 113    | 409    | 389    | 218    | 92     | 30     | 4      | 3      | 3    |
| 16H(6-22)            | 1466           | 50           | 42         | 8          | 0      | 33     | 36     | 124    | 444    | 427    | 239    | 106    | 38     | 11     | 4      | 4    |
| 18H(6-24)            | 1492           | 50           | 42         | 8          | 0      | 33     | 37     | 126    | 452    | 431    | 242    | 108    | 41     | 13     | 5      | 4    |
| 24H(0-24)            | 1518           | 50           | 43         | 8          | 0      | 33     | 37     | 127    | 455    | 435    | 249    | 114    | 43     | 15     | 5      | 5    |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>16 March 2020</b> |                |              |            |            |          |           |            |            |            |            |            |            |           |           |          |          |
| 00:00                | 3              | 0            | 41         | 11         | 0        | 0         | 1          | 0          | 0          | 1          | 0          | 1          | 0         | 0         | 0        | 0        |
| 01:00                | 1              | 0            | 58         | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 1         | 0         | 0        | 0        |
| 02:00                | 1              | 0            | 48         | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 1          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 3              | 0            | 50         | 6          | 0        | 0         | 0          | 0          | 0          | 1          | 1          | 0          | 1         | 0         | 0        | 0        |
| 04:00                | 17             | 55           | 48         | 6          | 0        | 0         | 0          | 0          | 3          | 5          | 3          | 4          | 2         | 0         | 0        | 0        |
| 05:00                | 46             | 57           | 50         | 6          | 0        | 0         | 0          | 0          | 3          | 12         | 12         | 10         | 8         | 1         | 0        | 0        |
| 06:00                | 151            | 55           | 48         | 8          | 0        | 2         | 3          | 1          | 13         | 37         | 48         | 30         | 12        | 3         | 2        | 0        |
| <b>07:00</b>         | <b>287</b>     | 51           | 44         | 7          | 0        | 4         | 10         | 10         | 42         | 114        | 70         | 26         | 10        | 0         | 0        | 1        |
| 08:00                | 280            | 49           | 41         | 8          | 0        | 12        | 14         | 16         | 81         | 88         | 47         | 20         | 2         | 0         | 0        | 0        |
| 09:00                | 239            | 48           | 42         | 7          | 0        | 2         | 5          | 20         | 80         | 78         | 40         | 9          | 3         | 0         | 2        | 0        |
| 10:00                | 219            | 46           | 40         | 6          | 0        | 4         | 6          | 28         | 77         | 76         | 18         | 8          | 2         | 0         | 0        | 0        |
| 11:00                | 243            | 46           | 39         | 8          | 1        | 9         | 12         | 29         | 93         | 63         | 25         | 11         | 0         | 0         | 0        | 0        |
| 12:00                | 242            | 46           | 41         | 6          | 0        | 1         | 7          | 32         | 94         | 69         | 26         | 8          | 2         | 2         | 1        | 0        |
| 13:00                | 239            | 47           | 40         | 7          | 0        | 6         | 6          | 40         | 87         | 59         | 29         | 8          | 2         | 2         | 0        | 0        |
| 14:00                | 238            | 45           | 37         | 9          | 2        | 13        | 30         | 43         | 76         | 49         | 14         | 10         | 0         | 1         | 0        | 0        |
| 15:00                | 255            | 45           | 38         | 8          | 0        | 7         | 32         | 52         | 84         | 47         | 20         | 8          | 5         | 0         | 0        | 0        |
| <b>16:00</b>         | <b>272</b>     | 49           | 42         | 7          | 0        | 4         | 3          | 27         | 82         | 88         | 47         | 15         | 5         | 0         | 1        | 0        |
| 17:00                | 218            | 50           | 43         | 7          | 0        | 1         | 2          | 21         | 62         | 64         | 48         | 8          | 11        | 1         | 0        | 0        |
| 18:00                | 143            | 51           | 44         | 8          | 0        | 1         | 2          | 14         | 35         | 44         | 27         | 12         | 5         | 2         | 0        | 1        |
| 19:00                | 81             | 50           | 42         | 8          | 0        | 0         | 7          | 9          | 24         | 19         | 12         | 7          | 2         | 0         | 1        | 0        |
| 20:00                | 41             | 55           | 47         | 11         | 0        | 1         | 2          | 2          | 5          | 8          | 9          | 9          | 3         | 0         | 0        | 2        |
| 21:00                | 33             | 54           | 44         | 10         | 0        | 1         | 2          | 3          | 8          | 4          | 6          | 7          | 1         | 1         | 0        | 0        |
| 22:00                | 21             | 55           | 45         | 13         | 0        | 1         | 1          | 2          | 4          | 5          | 2          | 3          | 0         | 1         | 1        | 1        |
| 23:00                | 6              | 0            | 51         | 6          | 0        | 0         | 0          | 0          | 0          | 2          | 0          | 3          | 1         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2875</b>    | <b>48</b>    | <b>41</b>  | <b>8</b>   | <b>3</b> | <b>64</b> | <b>129</b> | <b>332</b> | <b>893</b> | <b>839</b> | <b>411</b> | <b>143</b> | <b>47</b> | <b>8</b>  | <b>4</b> | <b>2</b> |
| <b>16H(6-22)</b>     | <b>3181</b>    | <b>49</b>    | <b>41</b>  | <b>8</b>   | <b>3</b> | <b>68</b> | <b>143</b> | <b>347</b> | <b>943</b> | <b>907</b> | <b>486</b> | <b>196</b> | <b>65</b> | <b>12</b> | <b>7</b> | <b>4</b> |
| <b>18H(6-24)</b>     | <b>3208</b>    | <b>49</b>    | <b>41</b>  | <b>8</b>   | <b>3</b> | <b>69</b> | <b>144</b> | <b>349</b> | <b>947</b> | <b>914</b> | <b>488</b> | <b>202</b> | <b>66</b> | <b>13</b> | <b>8</b> | <b>5</b> |
| <b>24H(0-24)</b>     | <b>3279</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>3</b> | <b>69</b> | <b>145</b> | <b>349</b> | <b>953</b> | <b>933</b> | <b>505</b> | <b>217</b> | <b>78</b> | <b>14</b> | <b>8</b> | <b>5</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71    | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|----------|
| <b>17 March 2020</b> |                |              |            |            |          |           |            |            |            |            |            |            |           |           |           |          |
| 00:00                | 3              | 0            | 39         | 10         | 0        | 0         | 1          | 0          | 0          | 1          | 1          | 0          | 0         | 0         | 0         | 0        |
| 01:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0         | 0        |
| 02:00                | 1              | 0            | 44         | 0          | 0        | 0         | 0          | 0          | 0          | 1          | 0          | 0          | 0         | 0         | 0         | 0        |
| 03:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0         | 0        |
| 04:00                | 15             | 58           | 52         | 7          | 0        | 0         | 0          | 0          | 0          | 3          | 3          | 5          | 3         | 0         | 1         | 0        |
| 05:00                | 34             | 55           | 47         | 7          | 0        | 0         | 0          | 0          | 9          | 7          | 10         | 3          | 3         | 2         | 0         | 0        |
| 06:00                | 140            | 56           | 47         | 8          | 0        | 1         | 4          | 3          | 11         | 47         | 39         | 15         | 15        | 5         | 0         | 0        |
| <b>07:00</b>         | <b>281</b>     | 50           | 44         | 7          | 0        | 3         | 12         | 12         | 47         | 119        | 62         | 16         | 5         | 3         | 1         | 1        |
| 08:00                | 249            | 49           | 42         | 8          | 0        | 5         | 13         | 24         | 67         | 72         | 49         | 16         | 1         | 1         | 1         | 0        |
| 09:00                | 222            | 43           | 37         | 6          | 0        | 4         | 20         | 71         | 79         | 37         | 10         | 1          | 0         | 0         | 0         | 0        |
| 10:00                | 212            | 41           | 35         | 7          | 0        | 11        | 26         | 61         | 90         | 20         | 3          | 0          | 1         | 0         | 0         | 0        |
| 11:00                | 252            | 45           | 39         | 7          | 0        | 4         | 16         | 47         | 92         | 67         | 22         | 2          | 2         | 0         | 0         | 0        |
| 12:00                | 216            | 45           | 39         | 7          | 0        | 1         | 13         | 47         | 84         | 44         | 13         | 8          | 4         | 0         | 2         | 0        |
| 13:00                | 195            | 46           | 40         | 7          | 0        | 4         | 8          | 31         | 71         | 51         | 22         | 5          | 2         | 0         | 1         | 0        |
| 14:00                | 205            | 44           | 37         | 7          | 0        | 5         | 20         | 52         | 79         | 35         | 11         | 2          | 1         | 0         | 0         | 0        |
| 15:00                | 212            | 47           | 41         | 7          | 0        | 3         | 5          | 38         | 70         | 57         | 24         | 10         | 4         | 1         | 0         | 0        |
| <b>16:00</b>         | <b>256</b>     | 48           | 42         | 7          | 0        | 2         | 9          | 16         | 74         | 94         | 46         | 11         | 1         | 2         | 1         | 0        |
| 17:00                | 215            | 49           | 43         | 6          | 0        | 0         | 3          | 20         | 59         | 83         | 31         | 11         | 5         | 2         | 1         | 0        |
| 18:00                | 138            | 51           | 43         | 9          | 0        | 1         | 4          | 8          | 52         | 40         | 12         | 8          | 5         | 4         | 3         | 1        |
| 19:00                | 59             | 55           | 45         | 10         | 0        | 1         | 1          | 8          | 10         | 11         | 12         | 8          | 4         | 4         | 0         | 0        |
| 20:00                | 45             | 50           | 46         | 7          | 0        | 0         | 0          | 0          | 11         | 16         | 12         | 1          | 2         | 2         | 0         | 1        |
| 21:00                | 24             | 50           | 44         | 6          | 0        | 0         | 1          | 0          | 7          | 6          | 8          | 1          | 1         | 0         | 0         | 0        |
| 22:00                | 15             | 54           | 45         | 12         | 0        | 1         | 0          | 1          | 3          | 5          | 1          | 2          | 0         | 1         | 1         | 0        |
| 23:00                | 4              | 0            | 44         | 6          | 0        | 0         | 0          | 0          | 2          | 1          | 0          | 1          | 0         | 0         | 0         | 0        |
| <b>12H(7-19)</b>     | <b>2653</b>    | <b>47</b>    | <b>40</b>  | <b>7</b>   | <b>0</b> | <b>43</b> | <b>149</b> | <b>427</b> | <b>864</b> | <b>719</b> | <b>305</b> | <b>90</b>  | <b>31</b> | <b>13</b> | <b>10</b> | <b>2</b> |
| <b>16H(6-22)</b>     | <b>2921</b>    | <b>48</b>    | <b>41</b>  | <b>8</b>   | <b>0</b> | <b>45</b> | <b>155</b> | <b>438</b> | <b>903</b> | <b>799</b> | <b>376</b> | <b>115</b> | <b>53</b> | <b>24</b> | <b>10</b> | <b>3</b> |
| <b>18H(6-24)</b>     | <b>2940</b>    | <b>48</b>    | <b>41</b>  | <b>8</b>   | <b>0</b> | <b>46</b> | <b>155</b> | <b>439</b> | <b>908</b> | <b>805</b> | <b>377</b> | <b>118</b> | <b>53</b> | <b>25</b> | <b>11</b> | <b>3</b> |
| <b>24H(0-24)</b>     | <b>2993</b>    | <b>48</b>    | <b>41</b>  | <b>8</b>   | <b>0</b> | <b>46</b> | <b>156</b> | <b>439</b> | <b>917</b> | <b>817</b> | <b>391</b> | <b>126</b> | <b>59</b> | <b>27</b> | <b>12</b> | <b>3</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31    | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>18 March 2020</b> |                |              |            |            |          |           |           |            |            |            |            |            |           |           |          |          |
| 00:00                | 4              | 0            | 41         | 6          | 0        | 0         | 0         | 1          | 1          | 1          | 1          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0         | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 1              | 0            | 44         | 0          | 0        | 0         | 0         | 0          | 0          | 1          | 0          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 2              | 0            | 46         | 8          | 0        | 0         | 0         | 0          | 1          | 0          | 0          | 1          | 0         | 0         | 0        | 0        |
| 04:00                | 9              | 0            | 50         | 5          | 0        | 0         | 0         | 0          | 1          | 0          | 4          | 3          | 1         | 0         | 0        | 0        |
| 05:00                | 40             | 55           | 48         | 8          | 0        | 0         | 0         | 0          | 7          | 12         | 9          | 7          | 2         | 1         | 0        | 2        |
| 06:00                | 114            | 56           | 48         | 8          | 0        | 1         | 0         | 2          | 12         | 32         | 28         | 23         | 9         | 5         | 0        | 2        |
| <b>07:00</b>         | <b>237</b>     | 51           | 44         | 8          | 0        | 4         | 11        | 6          | 45         | 74         | 62         | 26         | 6         | 3         | 0        | 0        |
| 08:00                | 230            | 50           | 42         | 8          | 0        | 6         | 9         | 9          | 72         | 69         | 37         | 23         | 4         | 1         | 0        | 0        |
| 09:00                | 177            | 47           | 41         | 7          | 0        | 4         | 4         | 24         | 58         | 58         | 16         | 11         | 2         | 0         | 0        | 0        |
| 10:00                | 148            | 46           | 40         | 7          | 0        | 3         | 6         | 17         | 52         | 51         | 13         | 5          | 0         | 0         | 1        | 0        |
| 11:00                | 158            | 46           | 40         | 7          | 0        | 1         | 8         | 25         | 66         | 37         | 14         | 6          | 0         | 0         | 1        | 0        |
| 12:00                | 149            | 46           | 39         | 7          | 0        | 4         | 11        | 26         | 61         | 25         | 13         | 9          | 0         | 0         | 0        | 0        |
| 13:00                | 151            | 48           | 41         | 8          | 0        | 6         | 5         | 20         | 47         | 40         | 24         | 4          | 3         | 2         | 0        | 0        |
| 14:00                | 139            | 48           | 42         | 6          | 0        | 1         | 1         | 13         | 51         | 41         | 26         | 6          | 0         | 0         | 0        | 0        |
| 15:00                | 179            | 47           | 41         | 7          | 0        | 3         | 7         | 20         | 64         | 53         | 24         | 7          | 1         | 0         | 0        | 0        |
| <b>16:00</b>         | <b>226</b>     | 48           | 42         | 6          | 0        | 2         | 2         | 23         | 64         | 87         | 32         | 10         | 5         | 0         | 0        | 1        |
| 17:00                | 182            | 50           | 44         | 6          | 0        | 2         | 0         | 4          | 51         | 73         | 32         | 12         | 6         | 2         | 0        | 0        |
| 18:00                | 105            | 52           | 44         | 8          | 0        | 0         | 6         | 8          | 15         | 40         | 16         | 14         | 5         | 1         | 0        | 0        |
| 19:00                | 61             | 55           | 46         | 9          | 0        | 0         | 2         | 2          | 15         | 17         | 11         | 6          | 3         | 5         | 0        | 0        |
| 20:00                | 33             | 49           | 39         | 11         | 0        | 2         | 5         | 3          | 10         | 6          | 3          | 2          | 1         | 1         | 0        | 0        |
| 21:00                | 29             | 52           | 46         | 9          | 0        | 0         | 0         | 1          | 7          | 11         | 5          | 1          | 2         | 0         | 1        | 1        |
| 22:00                | 15             | 49           | 42         | 12         | 0        | 1         | 1         | 0          | 4          | 4          | 4          | 0          | 0         | 0         | 0        | 1        |
| 23:00                | 5              | 0            | 40         | 4          | 0        | 0         | 0         | 1          | 2          | 2          | 0          | 0          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2081</b>    | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>36</b> | <b>70</b> | <b>195</b> | <b>646</b> | <b>648</b> | <b>309</b> | <b>133</b> | <b>32</b> | <b>9</b>  | <b>2</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>2318</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>39</b> | <b>77</b> | <b>203</b> | <b>690</b> | <b>714</b> | <b>356</b> | <b>165</b> | <b>47</b> | <b>20</b> | <b>3</b> | <b>4</b> |
| <b>18H(6-24)</b>     | <b>2338</b>    | <b>49</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>40</b> | <b>78</b> | <b>204</b> | <b>696</b> | <b>720</b> | <b>360</b> | <b>165</b> | <b>47</b> | <b>20</b> | <b>3</b> | <b>5</b> |
| <b>24H(0-24)</b>     | <b>2394</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>40</b> | <b>78</b> | <b>205</b> | <b>706</b> | <b>734</b> | <b>374</b> | <b>176</b> | <b>50</b> | <b>21</b> | <b>3</b> | <b>7</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31    | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71    | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|----------|
| <b>19 March 2020</b> |                |              |            |            |          |           |           |            |            |            |            |            |           |           |           |          |
| 00:00                | 1              | 0            | 44         | 0          | 0        | 0         | 0         | 0          | 0          | 1          | 0          | 0          | 0         | 0         | 0         | 0        |
| 01:00                | 2              | 0            | 48         | 0          | 0        | 0         | 0         | 0          | 0          | 0          | 2          | 0          | 0         | 0         | 0         | 0        |
| 02:00                | 2              | 0            | 41         | 2          | 0        | 0         | 0         | 0          | 1          | 1          | 0          | 0          | 0         | 0         | 0         | 0        |
| 03:00                | 1              | 0            | 58         | 0          | 0        | 0         | 0         | 0          | 0          | 0          | 0          | 0          | 1         | 0         | 0         | 0        |
| 04:00                | 16             | 63           | 54         | 9          | 0        | 0         | 0         | 1          | 0          | 2          | 3          | 4          | 2         | 3         | 1         | 0        |
| 05:00                | 34             | 56           | 49         | 8          | 0        | 0         | 0         | 0          | 6          | 5          | 12         | 6          | 3         | 1         | 0         | 1        |
| 06:00                | 123            | 58           | 48         | 10         | 0        | 2         | 1         | 10         | 14         | 27         | 24         | 21         | 14        | 7         | 1         | 2        |
| <b>07:00</b>         | <b>237</b>     | 50           | 44         | 8          | 0        | 3         | 7         | 10         | 39         | 95         | 58         | 14         | 5         | 3         | 3         | 0        |
| 08:00                | 196            | 50           | 42         | 7          | 0        | 3         | 5         | 20         | 62         | 55         | 30         | 17         | 3         | 1         | 0         | 0        |
| 09:00                | 143            | 48           | 41         | 7          | 0        | 2         | 8         | 13         | 50         | 41         | 23         | 5          | 1         | 0         | 0         | 0        |
| 10:00                | 135            | 48           | 41         | 7          | 0        | 4         | 4         | 9          | 54         | 36         | 18         | 7          | 3         | 0         | 0         | 0        |
| 11:00                | 123            | 46           | 40         | 7          | 0        | 4         | 5         | 17         | 40         | 42         | 9          | 6          | 0         | 0         | 0         | 0        |
| 12:00                | 147            | 48           | 41         | 8          | 0        | 2         | 10        | 20         | 40         | 46         | 17         | 8          | 3         | 1         | 0         | 0        |
| 13:00                | 121            | 47           | 41         | 7          | 0        | 2         | 4         | 13         | 41         | 36         | 22         | 2          | 1         | 0         | 0         | 0        |
| 14:00                | 158            | 47           | 40         | 7          | 0        | 2         | 6         | 25         | 52         | 45         | 18         | 9          | 1         | 0         | 0         | 0        |
| 15:00                | 159            | 48           | 41         | 7          | 0        | 2         | 6         | 22         | 53         | 44         | 22         | 7          | 2         | 1         | 0         | 0        |
| 16:00                | 182            | 49           | 42         | 6          | 0        | 0         | 7         | 15         | 46         | 72         | 28         | 9          | 3         | 2         | 0         | 0        |
| <b>17:00</b>         | <b>216</b>     | 49           | 43         | 7          | 0        | 4         | 1         | 15         | 63         | 75         | 39         | 17         | 0         | 1         | 0         | 1        |
| 18:00                | 95             | 53           | 45         | 8          | 0        | 0         | 3         | 6          | 19         | 36         | 12         | 10         | 5         | 1         | 1         | 2        |
| 19:00                | 48             | 56           | 46         | 10         | 0        | 0         | 2         | 2          | 15         | 6          | 12         | 3          | 5         | 0         | 2         | 1        |
| 20:00                | 43             | 53           | 46         | 9          | 0        | 0         | 2         | 3          | 6          | 11         | 12         | 5          | 1         | 2         | 1         | 0        |
| 21:00                | 27             | 60           | 50         | 11         | 0        | 1         | 0         | 0          | 4          | 6          | 5          | 2          | 5         | 1         | 3         | 0        |
| 22:00                | 20             | 58           | 45         | 13         | 0        | 1         | 1         | 3          | 2          | 4          | 4          | 1          | 1         | 2         | 1         | 0        |
| 23:00                | 7              | 0            | 48         | 6          | 0        | 0         | 0         | 0          | 1          | 2          | 2          | 1          | 1         | 0         | 0         | 0        |
| <b>12H(7-19)</b>     | <b>1912</b>    | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>28</b> | <b>66</b> | <b>185</b> | <b>559</b> | <b>623</b> | <b>296</b> | <b>111</b> | <b>27</b> | <b>10</b> | <b>4</b>  | <b>3</b> |
| <b>16H(6-22)</b>     | <b>2153</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>31</b> | <b>71</b> | <b>200</b> | <b>598</b> | <b>673</b> | <b>349</b> | <b>142</b> | <b>52</b> | <b>20</b> | <b>11</b> | <b>6</b> |
| <b>18H(6-24)</b>     | <b>2180</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>0</b> | <b>32</b> | <b>72</b> | <b>203</b> | <b>601</b> | <b>679</b> | <b>355</b> | <b>144</b> | <b>54</b> | <b>22</b> | <b>12</b> | <b>6</b> |
| <b>24H(0-24)</b>     | <b>2236</b>    | <b>50</b>    | <b>43</b>  | <b>8</b>   | <b>0</b> | <b>32</b> | <b>72</b> | <b>204</b> | <b>608</b> | <b>688</b> | <b>372</b> | <b>154</b> | <b>60</b> | <b>26</b> | <b>13</b> | <b>7</b> |

25064

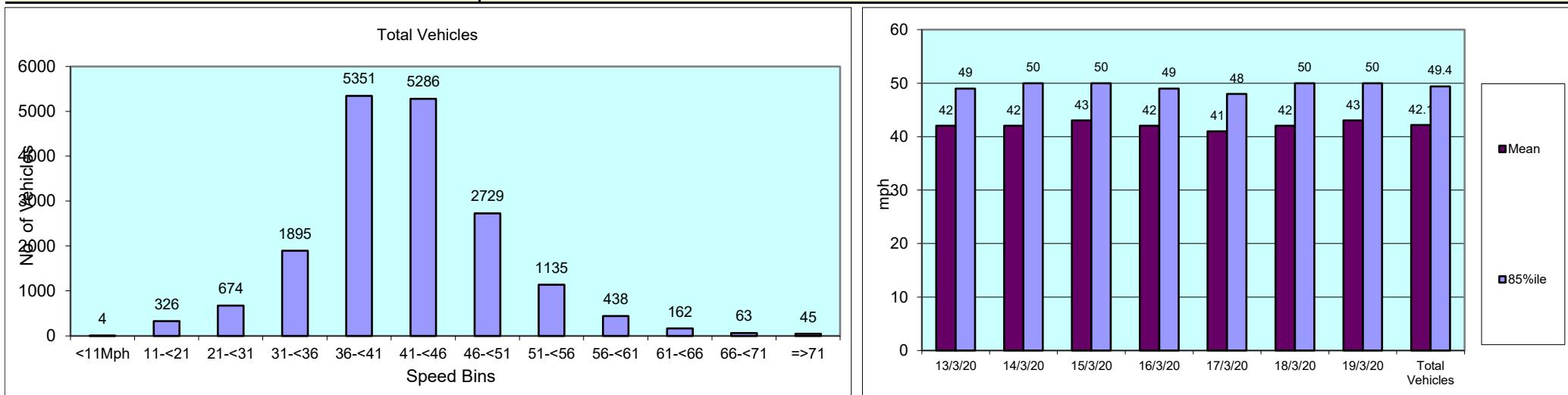
NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| Time Period           | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|-----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>Daily Totals</b>   |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 13/3/20               | <b>3585</b>    | 49           | 42         | 8          | 0      | 53     | 116    | 378    | 1070   | 1085   | 527    | 227    | 79     | 34     | 8      | 8    |
| 14/3/20               | <b>2103</b>    | 50           | 42         | 9          | 1      | 53     | 70     | 193    | 642    | 594    | 311    | 121    | 69     | 25     | 14     | 10   |
| 15/3/20               | <b>1518</b>    | 50           | 43         | 8          | 0      | 33     | 37     | 127    | 455    | 435    | 249    | 114    | 43     | 15     | 5      | 5    |
| 16/3/20               | <b>3279</b>    | 49           | 42         | 8          | 3      | 69     | 145    | 349    | 953    | 933    | 505    | 217    | 78     | 14     | 8      | 5    |
| 17/3/20               | <b>2993</b>    | 48           | 41         | 8          | 0      | 46     | 156    | 439    | 917    | 817    | 391    | 126    | 59     | 27     | 12     | 3    |
| 18/3/20               | <b>2394</b>    | 50           | 42         | 8          | 0      | 40     | 78     | 205    | 706    | 734    | 374    | 176    | 50     | 21     | 3      | 7    |
| 19/3/20               | <b>2236</b>    | 50           | 43         | 8          | 0      | 32     | 72     | 204    | 608    | 688    | 372    | 154    | 60     | 26     | 13     | 7    |
| <b>Total Vehicles</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| [--]                  | <b>18108</b>   | 49.4         | 42.1       | 8.1        | 4      | 326    | 674    | 1895   | 5351   | 5286   | 2729   | 1135   | 438    | 162    | 63     | 45   |



25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD                      | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day Ave.  | 7-Day Ave.  |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-------------|
| <b>Week Begin: 13 March 2020</b> |                 |                 |                 |                 |                 |                 |                 |             |             |
| 00:00                            | 3               | 12              | 6               | 3               | 3               | 4               | 1               | 3           | 5           |
| 01:00                            | 0               | 3               | 7               | 1               | 0               | 0               | 2               | 1           | 2           |
| 02:00                            | 3               | 2               | 0               | 1               | 1               | 1               | 2               | 2           | 1           |
| 03:00                            | 5               | 1               | 5               | 3               | 0               | 2               | 1               | 2           | 2           |
| 04:00                            | 10              | 9               | 1               | 17              | 15              | 9               | 16              | 13          | 11          |
| 05:00                            | 39              | 12              | 7               | 46              | 34              | 40              | 34              | 39          | 30          |
| 06:00                            | 151             | 27              | 13              | 151             | 140             | 114             | 123             | 136         | 103         |
| 07:00                            | 261             | 65              | 29              | 287             | 281             | 237             | 237             | 261         | 200         |
| 08:00                            | 275             | 123             | 52              | 280             | 249             | 230             | 196             | 246         | 201         |
| 09:00                            | 226             | 164             | 102             | 239             | 222             | 177             | 143             | 201         | 182         |
| 10:00                            | 237             | 169             | 115             | 219             | 212             | 148             | 135             | 190         | 176         |
| 11:00                            | 264             | 176             | 146             | 243             | 252             | 158             | 123             | 208         | 195         |
| 12:00                            | 292             | 181             | 171             | 242             | 216             | 149             | 147             | 209         | 200         |
| 13:00                            | 277             | 187             | 136             | 239             | 195             | 151             | 121             | 197         | 187         |
| 14:00                            | 296             | 193             | 141             | 238             | 205             | 139             | 158             | 207         | 196         |
| 15:00                            | 348             | 141             | 161             | 255             | 212             | 179             | 159             | 231         | 208         |
| 16:00                            | 294             | 170             | 103             | 272             | 256             | 226             | 182             | 246         | 215         |
| 17:00                            | 229             | 158             | 103             | 218             | 215             | 182             | 216             | 212         | 189         |
| 18:00                            | 149             | 123             | 69              | 143             | 138             | 105             | 95              | 126         | 117         |
| 19:00                            | 81              | 74              | 60              | 81              | 59              | 61              | 48              | 66          | 66          |
| 20:00                            | 55              | 31              | 39              | 41              | 45              | 33              | 43              | 43          | 41          |
| 21:00                            | 44              | 40              | 26              | 33              | 24              | 29              | 27              | 31          | 32          |
| 22:00                            | 35              | 27              | 16              | 21              | 15              | 15              | 20              | 21          | 21          |
| 23:00                            | 11              | 15              | 10              | 6               | 4               | 5               | 7               | 7           | 8           |
| <b>12H(7-19)</b>                 | <b>3148</b>     | <b>1850</b>     | <b>1328</b>     | <b>2875</b>     | <b>2653</b>     | <b>2081</b>     | <b>1912</b>     | <b>2534</b> | <b>2264</b> |
| <b>16H(6-22)</b>                 | <b>3479</b>     | <b>2022</b>     | <b>1466</b>     | <b>3181</b>     | <b>2921</b>     | <b>2318</b>     | <b>2153</b>     | <b>2810</b> | <b>2506</b> |
| <b>18H(6-24)</b>                 | <b>3525</b>     | <b>2064</b>     | <b>1492</b>     | <b>3208</b>     | <b>2940</b>     | <b>2338</b>     | <b>2180</b>     | <b>2838</b> | <b>2535</b> |
| <b>24H(0-24)</b>                 | <b>3585</b>     | <b>2103</b>     | <b>1518</b>     | <b>3279</b>     | <b>2993</b>     | <b>2394</b>     | <b>2236</b>     | <b>2897</b> | <b>2587</b> |
| <b>AM</b>                        | <b>08:00</b>    | <b>11:00</b>    | <b>11:00</b>    | <b>07:00</b>    | <b>07:00</b>    | <b>07:00</b>    | <b>07:00</b>    |             |             |
| <b>Peak</b>                      | <b>275</b>      | <b>176</b>      | <b>146</b>      | <b>287</b>      | <b>281</b>      | <b>237</b>      | <b>237</b>      |             |             |
| <b>PM</b>                        | <b>15:00</b>    | <b>14:00</b>    | <b>12:00</b>    | <b>16:00</b>    | <b>16:00</b>    | <b>16:00</b>    | <b>17:00</b>    |             |             |
| <b>Peak</b>                      | <b>348</b>      | <b>193</b>      | <b>171</b>      | <b>272</b>      | <b>256</b>      | <b>226</b>      | <b>216</b>      |             |             |

25064

NORTON

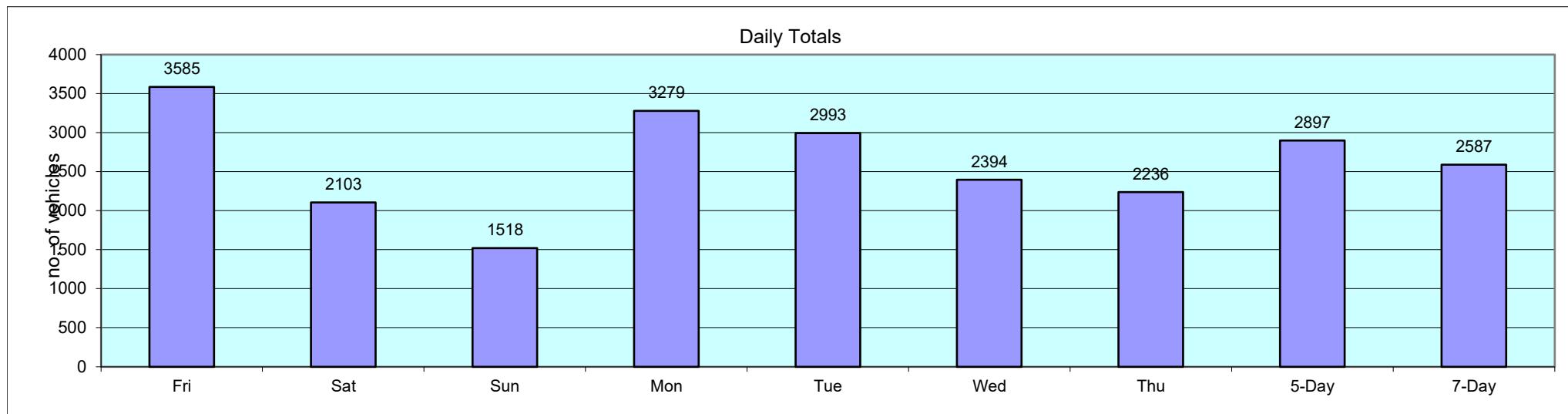
Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Eastbound

| TIME PERIOD | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day<br>Ave. | 7-Day<br>Ave. |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|



25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV      | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|----------|-------------|----------|-------------|----------|------------|
| <b>13 March 2020</b> |                |              |               |            |            |          |             |          |             |          |            |
| 00:00                | <b>13</b>      | 0            | 13.0          | 0          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | <b>2</b>       | 0            | 2.0           | 0          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | <b>3</b>       | 0            | 2.0           | 1          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | <b>2</b>       | 0            | 2.0           | 0          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | <b>2</b>       | 0            | 2.0           | 0          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | <b>9</b>       | 0            | 7.0           | 2          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | <b>45</b>      | 0            | 39.0          | 6          | 0.0        | 0        | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 07:00                | <b>187</b>     | 0            | 165.0         | 21         | 0.0        | 0        | 1.0         | 0        | 0.0         | 0        | 0.0        |
| <b>08:00</b>         | <b>320</b>     | <b>1</b>     | <b>268.0</b>  | <b>46</b>  | <b>0.0</b> | <b>2</b> | <b>2.0</b>  | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 09:00                | <b>234</b>     | <b>1</b>     | <b>194.0</b>  | <b>30</b>  | <b>1.0</b> | <b>2</b> | <b>3.0</b>  | <b>0</b> | <b>2.0</b>  | <b>0</b> | <b>0.0</b> |
| 10:00                | <b>210</b>     | <b>2</b>     | <b>177.0</b>  | <b>28</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>2.0</b>  | <b>0</b> | <b>0.0</b> |
| 11:00                | <b>197</b>     | <b>1</b>     | <b>168.0</b>  | <b>20</b>  | <b>0.0</b> | <b>1</b> | <b>1.0</b>  | <b>0</b> | <b>4.0</b>  | <b>1</b> | <b>0.0</b> |
| 12:00                | <b>261</b>     | <b>3</b>     | <b>225.0</b>  | <b>31</b>  | <b>1.0</b> | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 13:00                | <b>232</b>     | <b>5</b>     | <b>202.0</b>  | <b>23</b>  | <b>0.0</b> | <b>1</b> | <b>0.0</b>  | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 14:00                | <b>254</b>     | <b>3</b>     | <b>227.0</b>  | <b>17</b>  | <b>0.0</b> | <b>0</b> | <b>3.0</b>  | <b>0</b> | <b>3.0</b>  | <b>0</b> | <b>0.0</b> |
| <b>15:00</b>         | <b>316</b>     | <b>2</b>     | <b>272.0</b>  | <b>32</b>  | <b>0.0</b> | <b>1</b> | <b>1.0</b>  | <b>2</b> | <b>5.0</b>  | <b>0</b> | <b>1.0</b> |
| 16:00                | <b>296</b>     | <b>4</b>     | <b>261.0</b>  | <b>25</b>  | <b>0.0</b> | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>3.0</b>  | <b>0</b> | <b>0.0</b> |
| 17:00                | <b>285</b>     | <b>2</b>     | <b>256.0</b>  | <b>24</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>1</b> | <b>2.0</b>  | <b>0</b> | <b>0.0</b> |
| 18:00                | <b>203</b>     | <b>2</b>     | <b>184.0</b>  | <b>16</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 19:00                | <b>141</b>     | <b>0</b>     | <b>130.0</b>  | <b>11</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 20:00                | <b>87</b>      | <b>1</b>     | <b>81.0</b>   | <b>4</b>   | <b>0.0</b> | <b>1</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 21:00                | <b>50</b>      | <b>1</b>     | <b>47.0</b>   | <b>2</b>   | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 22:00                | <b>32</b>      | <b>0</b>     | <b>32.0</b>   | <b>0</b>   | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 23:00                | <b>33</b>      | <b>0</b>     | <b>31.0</b>   | <b>2</b>   | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| <b>12H(7-19)</b>     | <b>2995</b>    | <b>26</b>    | <b>2599.0</b> | <b>313</b> | <b>2.0</b> | <b>7</b> | <b>13.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>1.0</b> |
| <b>16H(6-22)</b>     | <b>3318</b>    | <b>28</b>    | <b>2896.0</b> | <b>336</b> | <b>2.0</b> | <b>8</b> | <b>13.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>1.0</b> |
| <b>18H(6-24)</b>     | <b>3383</b>    | <b>28</b>    | <b>2959.0</b> | <b>338</b> | <b>2.0</b> | <b>8</b> | <b>13.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>1.0</b> |
| <b>24H(0-24)</b>     | <b>3414</b>    | <b>28</b>    | <b>2987.0</b> | <b>341</b> | <b>2.0</b> | <b>8</b> | <b>13.0</b> | <b>3</b> | <b>24.0</b> | <b>1</b> | <b>1.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV      | LGV %      | HGV      | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|----------|------------|----------|------------|----------|------------|
| <b>14 March 2020</b> |                |              |               |            |            |          |            |          |            |          |            |
| 00:00                | 8              | 0            | 8.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 01:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 02:00                | 2              | 0            | 1.0           | 1          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 03:00                | 1              | 0            | 0.0           | 1          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 04:00                | 4              | 0            | 3.0           | 1          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 05:00                | 6              | 0            | 6.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 06:00                | 13             | 0            | 9.0           | 3          | 0.0        | 0        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| 07:00                | 47             | 1            | 42.0          | 4          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 08:00                | 109            | 1            | 98.0          | 9          | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 09:00                | 172            | 0            | 150.0         | 19         | 1.0        | 0        | 0.0        | 1        | 1.0        | 0        | 0.0        |
| 10:00                | 189            | 2            | 173.0         | 13         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 1.0        |
| <b>11:00</b>         | <b>191</b>     | <b>3</b>     | <b>176.0</b>  | <b>11</b>  | <b>0.0</b> | <b>1</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> |
| 12:00                | 195            | 3            | 173.0         | 14         | 0.0        | 3        | 1.0        | 0        | 1.0        | 0        | 0.0        |
| <b>13:00</b>         | <b>219</b>     | <b>5</b>     | <b>194.0</b>  | <b>17</b>  | <b>0.0</b> | <b>1</b> | <b>1.0</b> | <b>0</b> | <b>1.0</b> | <b>0</b> | <b>0.0</b> |
| 14:00                | 179            | 3            | 166.0         | 8          | 0.0        | 1        | 1.0        | 0        | 0.0        | 0        | 0.0        |
| 15:00                | 192            | 6            | 174.0         | 12         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 16:00                | 182            | 9            | 161.0         | 12         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 17:00                | 169            | 3            | 161.0         | 5          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 18:00                | 125            | 0            | 117.0         | 8          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 19:00                | 74             | 1            | 70.0          | 3          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 20:00                | 54             | 0            | 48.0          | 6          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 21:00                | 47             | 0            | 47.0          | 0          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 22:00                | 49             | 0            | 48.0          | 1          | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 23:00                | 43             | 0            | 42.0          | 0          | 1.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1969</b>    | <b>36</b>    | <b>1785.0</b> | <b>132</b> | <b>1.0</b> | <b>7</b> | <b>3.0</b> | <b>1</b> | <b>3.0</b> | <b>0</b> | <b>1.0</b> |
| <b>16H(6-22)</b>     | <b>2157</b>    | <b>37</b>    | <b>1959.0</b> | <b>144</b> | <b>1.0</b> | <b>7</b> | <b>3.0</b> | <b>1</b> | <b>4.0</b> | <b>0</b> | <b>1.0</b> |
| <b>18H(6-24)</b>     | <b>2249</b>    | <b>37</b>    | <b>2049.0</b> | <b>145</b> | <b>2.0</b> | <b>7</b> | <b>3.0</b> | <b>1</b> | <b>4.0</b> | <b>0</b> | <b>1.0</b> |
| <b>24H(0-24)</b>     | <b>2272</b>    | <b>37</b>    | <b>2069.0</b> | <b>148</b> | <b>2.0</b> | <b>7</b> | <b>3.0</b> | <b>1</b> | <b>4.0</b> | <b>0</b> | <b>1.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS      | CARS %     | LGV      | LGV %      | HGV      | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-----------|------------|----------|------------|----------|------------|----------|------------|
| <b>15 March 2020</b> |                |              |               |           |            |          |            |          |            |          |            |
| 00:00                | <b>22</b>      | 1            | 19.0          | 2         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 01:00                | <b>6</b>       | 0            | 5.0           | 1         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 02:00                | <b>3</b>       | 0            | 3.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 03:00                | <b>0</b>       | 0            | 0.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 04:00                | <b>2</b>       | 0            | 1.0           | 1         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 05:00                | <b>5</b>       | 0            | 5.0           | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 06:00                | <b>10</b>      | 1            | 7.0           | 2         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 07:00                | <b>17</b>      | 0            | 17.0          | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 08:00                | <b>42</b>      | 0            | 39.0          | 3         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 09:00                | <b>100</b>     | 0            | 96.0          | 3         | 0.0        | 1        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 10:00                | <b>130</b>     | 3            | 120.0         | 6         | 0.0        | 0        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| <b>11:00</b>         | <b>150</b>     | 0            | 144.0         | 6         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 12:00                | <b>145</b>     | 0            | 139.0         | 6         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 13:00                | <b>135</b>     | 0            | 127.0         | 7         | 0.0        | 0        | 1.0        | 0        | 0.0        | 0        | 0.0        |
| <b>14:00</b>         | <b>158</b>     | 2            | 148.0         | 8         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 15:00                | <b>155</b>     | 5            | 144.0         | 6         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 16:00                | <b>125</b>     | 2            | 112.0         | 9         | 0.0        | 1        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| 17:00                | <b>129</b>     | 0            | 124.0         | 5         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 18:00                | <b>98</b>      | 0            | 94.0          | 4         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 19:00                | <b>84</b>      | 0            | 78.0          | 5         | 0.0        | 0        | 0.0        | 0        | 1.0        | 0        | 0.0        |
| 20:00                | <b>53</b>      | 0            | 50.0          | 3         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 21:00                | <b>22</b>      | 0            | 21.0          | 0         | 0.0        | 0        | 1.0        | 0        | 0.0        | 0        | 0.0        |
| 22:00                | <b>41</b>      | 0            | 41.0          | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 23:00                | <b>11</b>      | 0            | 11.0          | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1384</b>    | <b>12</b>    | <b>1304.0</b> | <b>63</b> | <b>0.0</b> | <b>2</b> | <b>1.0</b> | <b>0</b> | <b>2.0</b> | <b>0</b> | <b>0.0</b> |
| <b>16H(6-22)</b>     | <b>1553</b>    | <b>13</b>    | <b>1460.0</b> | <b>73</b> | <b>0.0</b> | <b>2</b> | <b>2.0</b> | <b>0</b> | <b>3.0</b> | <b>0</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>1605</b>    | <b>13</b>    | <b>1512.0</b> | <b>73</b> | <b>0.0</b> | <b>2</b> | <b>2.0</b> | <b>0</b> | <b>3.0</b> | <b>0</b> | <b>0.0</b> |
| <b>24H(0-24)</b>     | <b>1643</b>    | <b>14</b>    | <b>1545.0</b> | <b>77</b> | <b>0.0</b> | <b>2</b> | <b>2.0</b> | <b>0</b> | <b>3.0</b> | <b>0</b> | <b>0.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %      | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|-------------|-----------|-------------|----------|-------------|----------|------------|
| <b>16 March 2020</b> |                |              |               |            |             |           |             |          |             |          |            |
| 00:00                | 10             | 0            | 9.0           | 1          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 2              | 0            | 2.0           | 0          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 0              | 0            | 0.0           | 0          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 2              | 0            | 2.0           | 0          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 2              | 0            | 2.0           | 0          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 17             | 0            | 11.0          | 1          | 2.0         | 2         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 31             | 0            | 28.0          | 1          | 0.0         | 0         | 1.0         | 0        | 1.0         | 0        | 0.0        |
| 07:00                | 225            | 0            | 191.0         | 29         | 1.0         | 3         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| <b>08:00</b>         | <b>312</b>     | <b>2</b>     | <b>271.0</b>  | <b>30</b>  | <b>0.0</b>  | <b>1</b>  | <b>1.0</b>  | <b>1</b> | <b>4.0</b>  | <b>1</b> | <b>1.0</b> |
| 09:00                | 233            | 1            | 192.0         | 31         | 2.0         | 2         | 3.0         | 0        | 2.0         | 0        | 0.0        |
| 10:00                | 183            | 4            | 147.0         | 29         | 0.0         | 1         | 1.0         | 0        | 1.0         | 0        | 0.0        |
| 11:00                | 184            | 3            | 144.0         | 27         | 3.0         | 3         | 1.0         | 0        | 2.0         | 0        | 1.0        |
| 12:00                | 214            | 4            | 182.0         | 23         | 1.0         | 1         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 13:00                | 205            | 5            | 176.0         | 17         | 0.0         | 1         | 1.0         | 1        | 4.0         | 0        | 0.0        |
| 14:00                | 235            | 5            | 199.0         | 27         | 2.0         | 2         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 15:00                | 255            | 1            | 225.0         | 27         | 0.0         | 1         | 0.0         | 1        | 0.0         | 0        | 0.0        |
| <b>16:00</b>         | <b>311</b>     | <b>4</b>     | <b>274.0</b>  | <b>29</b>  | <b>0.0</b>  | <b>1</b>  | <b>0.0</b>  | <b>0</b> | <b>2.0</b>  | <b>0</b> | <b>0.0</b> |
| 17:00                | 308            | 12           | 265.0         | 28         | 0.0         | 1         | 0.0         | 0        | 2.0         | 0        | 0.0        |
| 18:00                | 213            | 1            | 202.0         | 9          | 0.0         | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 19:00                | 118            | 3            | 102.0         | 13         | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 53             | 2            | 48.0          | 3          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 42             | 1            | 39.0          | 2          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 43             | 0            | 39.0          | 4          | 0.0         | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 18             | 0            | 16.0          | 1          | 0.0         | 0         | 0.0         | 0        | 0.0         | 1        | 0.0        |
| <b>12H(7-19)</b>     | <b>2878</b>    | <b>42</b>    | <b>2468.0</b> | <b>306</b> | <b>9.0</b>  | <b>17</b> | <b>8.0</b>  | <b>3</b> | <b>19.0</b> | <b>1</b> | <b>2.0</b> |
| <b>16H(6-22)</b>     | <b>3122</b>    | <b>48</b>    | <b>2685.0</b> | <b>325</b> | <b>9.0</b>  | <b>17</b> | <b>9.0</b>  | <b>3</b> | <b>20.0</b> | <b>1</b> | <b>2.0</b> |
| <b>18H(6-24)</b>     | <b>3183</b>    | <b>48</b>    | <b>2740.0</b> | <b>330</b> | <b>9.0</b>  | <b>17</b> | <b>9.0</b>  | <b>3</b> | <b>20.0</b> | <b>2</b> | <b>2.0</b> |
| <b>24H(0-24)</b>     | <b>3216</b>    | <b>48</b>    | <b>2766.0</b> | <b>332</b> | <b>11.0</b> | <b>19</b> | <b>10.0</b> | <b>3</b> | <b>20.0</b> | <b>2</b> | <b>2.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|-------------|----------|-------------|----------|------------|
| <b>17 March 2020</b> |                |              |               |            |            |           |             |          |             |          |            |
| 00:00                | 4              | 0            | 3.0           | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 2              | 0            | 2.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 3              | 0            | 2.0           | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 15             | 0            | 13.0          | 1          | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 06:00                | 40             | 0            | 34.0          | 4          | 0.0        | 0         | 1.0         | 0        | 1.0         | 0        | 0.0        |
| 07:00                | 195            | 2            | 170.0         | 22         | 0.0        | 1         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>08:00</b>         | <b>319</b>     | <b>1</b>     | <b>271.0</b>  | <b>42</b>  | <b>0.0</b> | <b>1</b>  | <b>1.0</b>  | <b>0</b> | <b>1.0</b>  | <b>1</b> | <b>0.0</b> |
| 09:00                | 205            | 1            | 173.0         | 27         | 0.0        | 2         | 2.0         | 0        | 0.0         | 0        | 0.0        |
| 10:00                | 184            | 2            | 158.0         | 16         | 1.0        | 3         | 2.0         | 0        | 1.0         | 1        | 0.0        |
| 11:00                | 187            | 0            | 150.0         | 30         | 1.0        | 3         | 1.0         | 0        | 2.0         | 0        | 0.0        |
| 12:00                | 196            | 3            | 170.0         | 19         | 0.0        | 1         | 0.0         | 0        | 3.0         | 0        | 0.0        |
| 13:00                | 183            | 3            | 142.0         | 27         | 0.0        | 2         | 2.0         | 0        | 5.0         | 0        | 1.0        |
| 14:00                | 193            | 0            | 159.0         | 28         | 2.0        | 2         | 0.0         | 0        | 2.0         | 0        | 0.0        |
| 15:00                | 244            | 3            | 213.0         | 26         | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 16:00                | 277            | 1            | 234.0         | 40         | 0.0        | 0         | 1.0         | 0        | 1.0         | 0        | 0.0        |
| <b>17:00</b>         | <b>285</b>     | <b>4</b>     | <b>258.0</b>  | <b>20</b>  | <b>0.0</b> | <b>2</b>  | <b>0.0</b>  | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 18:00                | 178            | 3            | 161.0         | 12         | 1.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 19:00                | 84             | 1            | 78.0          | 5          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 69             | 0            | 66.0          | 3          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 38             | 0            | 36.0          | 2          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 29             | 0            | 28.0          | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 7              | 0            | 7.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2646</b>    | <b>23</b>    | <b>2259.0</b> | <b>309</b> | <b>5.0</b> | <b>17</b> | <b>9.0</b>  | <b>0</b> | <b>18.0</b> | <b>2</b> | <b>1.0</b> |
| <b>16H(6-22)</b>     | <b>2877</b>    | <b>24</b>    | <b>2473.0</b> | <b>323</b> | <b>5.0</b> | <b>17</b> | <b>10.0</b> | <b>0</b> | <b>19.0</b> | <b>2</b> | <b>1.0</b> |
| <b>18H(6-24)</b>     | <b>2913</b>    | <b>24</b>    | <b>2508.0</b> | <b>324</b> | <b>5.0</b> | <b>17</b> | <b>10.0</b> | <b>0</b> | <b>19.0</b> | <b>2</b> | <b>1.0</b> |
| <b>24H(0-24)</b>     | <b>2941</b>    | <b>24</b>    | <b>2532.0</b> | <b>327</b> | <b>5.0</b> | <b>17</b> | <b>10.0</b> | <b>0</b> | <b>20.0</b> | <b>2</b> | <b>1.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV      | LGV %      | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|----------|------------|----------|-------------|----------|------------|
| <b>18 March 2020</b> |                |              |               |            |            |          |            |          |             |          |            |
| 00:00                | 4              | 0            | 4.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 1              | 0            | 0.0           | 1          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 0              | 0            | 0.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 4              | 0            | 4.0           | 0          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 9              | 0            | 6.0           | 2          | 1.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 44             | 0            | 34.0          | 8          | 0.0        | 1        | 0.0        | 1        | 0.0         | 0        | 0.0        |
| 07:00                | 197            | 0            | 170.0         | 27         | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| <b>08:00</b>         | <b>298</b>     | <b>3</b>     | <b>253.0</b>  | <b>36</b>  | <b>1.0</b> | <b>0</b> | <b>1.0</b> | <b>0</b> | <b>2.0</b>  | <b>0</b> | <b>1.0</b> |
| 09:00                | 200            | 1            | 168.0         | 26         | 1.0        | 1        | 0.0        | 0        | 3.0         | 0        | 0.0        |
| 10:00                | 158            | 2            | 129.0         | 23         | 0.0        | 0        | 1.0        | 0        | 1.0         | 0        | 1.0        |
| 11:00                | 171            | 2            | 136.0         | 28         | 3.0        | 1        | 0.0        | 0        | 1.0         | 0        | 0.0        |
| 12:00                | 155            | 0            | 139.0         | 13         | 0.0        | 0        | 1.0        | 0        | 0.0         | 0        | 1.0        |
| 13:00                | 153            | 0            | 128.0         | 19         | 2.0        | 2        | 1.0        | 0        | 1.0         | 0        | 0.0        |
| 14:00                | 154            | 1            | 133.0         | 16         | 1.0        | 1        | 0.0        | 0        | 2.0         | 0        | 0.0        |
| 15:00                | 206            | 0            | 178.0         | 24         | 0.0        | 2        | 0.0        | 0        | 2.0         | 0        | 0.0        |
| <b>16:00</b>         | <b>257</b>     | <b>4</b>     | <b>208.0</b>  | <b>45</b>  | <b>0.0</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 17:00                | 238            | 4            | 208.0         | 23         | 0.0        | 1        | 0.0        | 0        | 2.0         | 0        | 0.0        |
| 18:00                | 140            | 0            | 121.0         | 19         | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 19:00                | 80             | 1            | 71.0          | 8          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 49             | 1            | 42.0          | 5          | 0.0        | 0        | 1.0        | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 45             | 0            | 42.0          | 3          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 23             | 0            | 22.0          | 1          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 12             | 0            | 12.0          | 0          | 0.0        | 0        | 0.0        | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2327</b>    | <b>17</b>    | <b>1971.0</b> | <b>299</b> | <b>8.0</b> | <b>8</b> | <b>4.0</b> | <b>0</b> | <b>14.0</b> | <b>0</b> | <b>3.0</b> |
| <b>16H(6-22)</b>     | <b>2545</b>    | <b>19</b>    | <b>2160.0</b> | <b>323</b> | <b>8.0</b> | <b>9</b> | <b>5.0</b> | <b>1</b> | <b>14.0</b> | <b>0</b> | <b>3.0</b> |
| <b>18H(6-24)</b>     | <b>2580</b>    | <b>19</b>    | <b>2194.0</b> | <b>324</b> | <b>8.0</b> | <b>9</b> | <b>5.0</b> | <b>1</b> | <b>14.0</b> | <b>0</b> | <b>3.0</b> |
| <b>24H(0-24)</b>     | <b>2601</b>    | <b>19</b>    | <b>2211.0</b> | <b>327</b> | <b>9.0</b> | <b>9</b> | <b>5.0</b> | <b>1</b> | <b>14.0</b> | <b>0</b> | <b>3.0</b> |

25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS       | CARS %     | LGV       | LGV %       | HGV      | HGV %       | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|------------|------------|-----------|-------------|----------|-------------|----------|------------|
| <b>19 March 2020</b> |                |              |               |            |            |           |             |          |             |          |            |
| 00:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 01:00                | 3              | 0            | 3.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 02:00                | 0              | 0            | 0.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 03:00                | 1              | 0            | 1.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 04:00                | 4              | 0            | 3.0           | 1          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 05:00                | 7              | 0            | 7.0           | 0          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 06:00                | 35             | 0            | 27.0          | 6          | 0.0        | 1         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| 07:00                | 175            | 1            | 144.0         | 24         | 0.0        | 2         | 2.0         | 0        | 1.0         | 0        | 1.0        |
| <b>08:00</b>         | <b>266</b>     | <b>0</b>     | <b>231.0</b>  | <b>30</b>  | <b>1.0</b> | <b>2</b>  | <b>1.0</b>  | <b>0</b> | <b>1.0</b>  | <b>0</b> | <b>0.0</b> |
| 09:00                | 174            | 2            | 144.0         | 18         | 1.0        | 4         | 1.0         | 0        | 3.0         | 0        | 1.0        |
| 10:00                | 145            | 0            | 112.0         | 28         | 1.0        | 2         | 0.0         | 0        | 2.0         | 0        | 0.0        |
| 11:00                | 151            | 0            | 129.0         | 17         | 0.0        | 1         | 2.0         | 0        | 1.0         | 0        | 1.0        |
| 12:00                | 155            | 0            | 135.0         | 17         | 0.0        | 0         | 1.0         | 0        | 1.0         | 0        | 0.0        |
| 13:00                | 135            | 0            | 107.0         | 20         | 1.0        | 2         | 2.0         | 0        | 2.0         | 0        | 1.0        |
| 14:00                | 169            | 1            | 137.0         | 27         | 1.0        | 1         | 0.0         | 0        | 2.0         | 0        | 0.0        |
| 15:00                | 185            | 1            | 158.0         | 22         | 0.0        | 0         | 1.0         | 0        | 2.0         | 0        | 0.0        |
| 16:00                | 219            | 2            | 192.0         | 24         | 0.0        | 0         | 0.0         | 0        | 1.0         | 0        | 0.0        |
| <b>17:00</b>         | <b>235</b>     | <b>5</b>     | <b>195.0</b>  | <b>33</b>  | <b>1.0</b> | <b>0</b>  | <b>0.0</b>  | <b>0</b> | <b>0.0</b>  | <b>0</b> | <b>0.0</b> |
| 18:00                | 140            | 1            | 127.0         | 11         | 0.0        | 0         | 1.0         | 0        | 0.0         | 0        | 0.0        |
| 19:00                | 86             | 1            | 73.0          | 12         | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 20:00                | 58             | 1            | 52.0          | 5          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 21:00                | 39             | 0            | 35.0          | 4          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 22:00                | 25             | 0            | 22.0          | 3          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| 23:00                | 19             | 0            | 17.0          | 2          | 0.0        | 0         | 0.0         | 0        | 0.0         | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2149</b>    | <b>13</b>    | <b>1811.0</b> | <b>271</b> | <b>6.0</b> | <b>14</b> | <b>11.0</b> | <b>0</b> | <b>16.0</b> | <b>0</b> | <b>4.0</b> |
| <b>16H(6-22)</b>     | <b>2367</b>    | <b>15</b>    | <b>1998.0</b> | <b>298</b> | <b>6.0</b> | <b>15</b> | <b>11.0</b> | <b>0</b> | <b>17.0</b> | <b>0</b> | <b>4.0</b> |
| <b>18H(6-24)</b>     | <b>2411</b>    | <b>15</b>    | <b>2037.0</b> | <b>303</b> | <b>6.0</b> | <b>15</b> | <b>11.0</b> | <b>0</b> | <b>17.0</b> | <b>0</b> | <b>4.0</b> |
| <b>24H(0-24)</b>     | <b>2427</b>    | <b>15</b>    | <b>2052.0</b> | <b>304</b> | <b>6.0</b> | <b>15</b> | <b>11.0</b> | <b>0</b> | <b>17.0</b> | <b>0</b> | <b>4.0</b> |

25064

NORTON

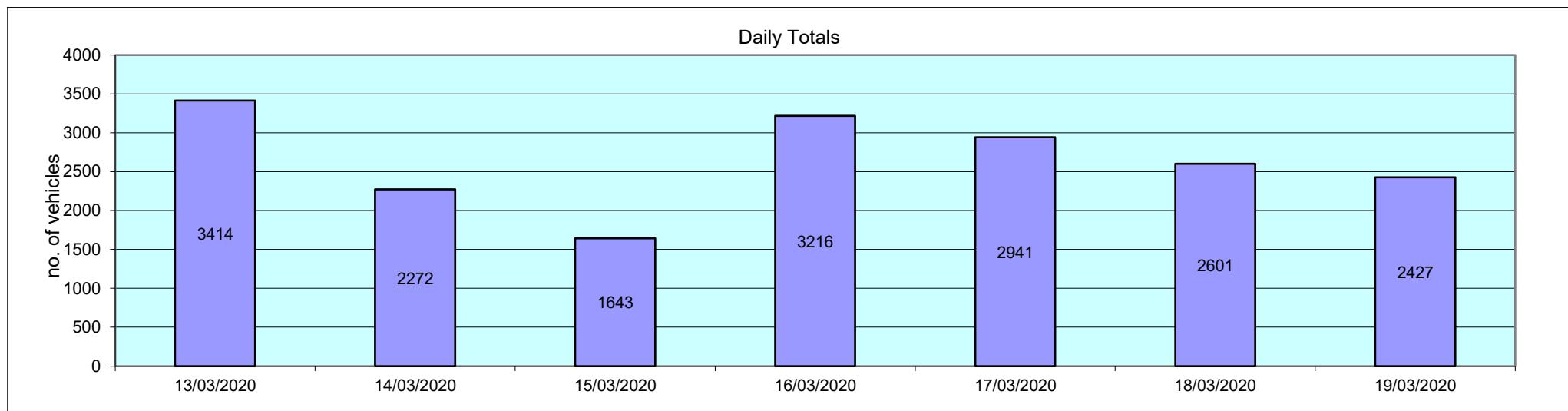
Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD           | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS | CARS % | LGV | LGV % | HGV | HGV % | BUS | BUS % |
|-----------------------|----------------|--------------|---------------|------|--------|-----|-------|-----|-------|-----|-------|
| <b>Daily Totals</b>   |                |              |               |      |        |     |       |     |       |     |       |
| 13/3/20               | <b>3414</b>    | 28           | 2987.0        | 341  | 2.0    | 8   | 13.0  | 3   | 24.0  | 1   | 1.0   |
| 14/3/20               | <b>2272</b>    | 37           | 2069.0        | 148  | 2.0    | 7   | 3.0   | 1   | 4.0   | 0   | 1.0   |
| 15/3/20               | <b>1643</b>    | 14           | 1545.0        | 77   | 0.0    | 2   | 2.0   | 0   | 3.0   | 0   | 0.0   |
| 16/3/20               | <b>3216</b>    | 48           | 2766.0        | 332  | 11.0   | 19  | 10.0  | 3   | 20.0  | 2   | 2.0   |
| 17/3/20               | <b>2941</b>    | 24           | 2532.0        | 327  | 5.0    | 17  | 10.0  | 0   | 20.0  | 2   | 1.0   |
| 18/3/20               | <b>2601</b>    | 19           | 2211.0        | 327  | 9.0    | 9   | 5.0   | 1   | 14.0  | 0   | 3.0   |
| 19/3/20               | <b>2427</b>    | 15           | 2052.0        | 304  | 6.0    | 15  | 11.0  | 0   | 17.0  | 0   | 4.0   |
| <b>Total Vehicles</b> |                |              |               |      |        |     |       |     |       |     |       |
| [--]                  | <b>18514</b>   | 185          | 2308.9        | 1856 | 5.0    | 77  | 7.7   | 8   | 14.6  | 5   | 1.7   |



25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>13 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |            |           |           |          |          |
| 00:00                | 13             | 52           | 44         | 8          | 0        | 0         | 0          | 2          | 3           | 3          | 2          | 2          | 1         | 0         | 0        | 0        |
| 01:00                | 2              | 0            | 48         | 5          | 0        | 0         | 0          | 0          | 0           | 1          | 0          | 1          | 0         | 0         | 0        | 0        |
| 02:00                | 3              | 0            | 44         | 7          | 0        | 0         | 0          | 1          | 0           | 0          | 2          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 2              | 0            | 62         | 9          | 0        | 0         | 0          | 0          | 0           | 0          | 0          | 1          | 0         | 0         | 0        | 1        |
| 04:00                | 2              | 0            | 54         | 5          | 0        | 0         | 0          | 0          | 0           | 0          | 1          | 0          | 1         | 0         | 0        | 0        |
| 05:00                | 9              | 0            | 43         | 5          | 0        | 0         | 0          | 1          | 2           | 4          | 1          | 1          | 0         | 0         | 0        | 0        |
| 06:00                | 45             | 55           | 47         | 8          | 0        | 0         | 0          | 3          | 11          | 7          | 10         | 9          | 3         | 1         | 1        | 0        |
| 07:00                | 187            | 50           | 44         | 7          | 0        | 0         | 6          | 10         | 56          | 46         | 47         | 12         | 7         | 3         | 0        | 0        |
| <b>08:00</b>         | <b>320</b>     | <b>47</b>    | <b>40</b>  | <b>7</b>   | <b>0</b> | <b>5</b>  | <b>7</b>   | <b>49</b>  | <b>130</b>  | <b>69</b>  | <b>47</b>  | <b>8</b>   | <b>4</b>  | <b>0</b>  | <b>1</b> | <b>0</b> |
| 09:00                | 234            | 45           | 39         | 6          | 0        | 2         | 8          | 52         | 99          | 42         | 22         | 6          | 2         | 1         | 0        | 0        |
| 10:00                | 210            | 44           | 38         | 7          | 0        | 4         | 15         | 58         | 79          | 34         | 13         | 7          | 0         | 0         | 0        | 0        |
| 11:00                | 197            | 46           | 40         | 6          | 0        | 2         | 6          | 34         | 79          | 48         | 20         | 6          | 2         | 0         | 0        | 0        |
| 12:00                | 261            | 45           | 40         | 6          | 0        | 1         | 17         | 41         | 91          | 80         | 19         | 9          | 3         | 0         | 0        | 0        |
| 13:00                | 232            | 48           | 42         | 6          | 0        | 0         | 10         | 22         | 69          | 85         | 34         | 9          | 2         | 0         | 0        | 1        |
| 14:00                | 254            | 45           | 38         | 8          | 2        | 6         | 33         | 41         | 81          | 62         | 20         | 7          | 1         | 0         | 0        | 1        |
| <b>15:00</b>         | <b>316</b>     | <b>48</b>    | <b>39</b>  | <b>8</b>   | <b>1</b> | <b>12</b> | <b>19</b>  | <b>43</b>  | <b>109</b>  | <b>70</b>  | <b>45</b>  | <b>15</b>  | <b>2</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 16:00                | 296            | 48           | 41         | 7          | 0        | 2         | 19         | 27         | 105         | 83         | 42         | 15         | 2         | 1         | 0        | 0        |
| 17:00                | 285            | 47           | 39         | 9          | 0        | 15        | 23         | 26         | 91          | 81         | 30         | 15         | 4         | 0         | 0        | 0        |
| 18:00                | 203            | 48           | 42         | 7          | 1        | 0         | 4          | 25         | 66          | 60         | 34         | 9          | 2         | 1         | 1        | 0        |
| 19:00                | 141            | 50           | 41         | 9          | 0        | 0         | 15         | 18         | 41          | 32         | 18         | 11         | 4         | 0         | 1        | 1        |
| 20:00                | 87             | 50           | 42         | 9          | 0        | 3         | 5          | 4          | 32          | 17         | 16         | 7          | 1         | 0         | 2        | 0        |
| 21:00                | 50             | 45           | 40         | 6          | 0        | 0         | 2          | 6          | 22          | 14         | 2          | 3          | 1         | 0         | 0        | 0        |
| 22:00                | 32             | 54           | 46         | 8          | 0        | 0         | 0          | 0          | 9           | 10         | 5          | 4          | 1         | 3         | 0        | 0        |
| 23:00                | 33             | 53           | 45         | 8          | 0        | 0         | 1          | 3          | 6           | 8          | 7          | 6          | 2         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2995</b>    | <b>47</b>    | <b>40</b>  | <b>7</b>   | <b>4</b> | <b>49</b> | <b>167</b> | <b>428</b> | <b>1055</b> | <b>760</b> | <b>373</b> | <b>118</b> | <b>31</b> | <b>6</b>  | <b>2</b> | <b>2</b> |
| <b>16H(6-22)</b>     | <b>3318</b>    | <b>47</b>    | <b>40</b>  | <b>7</b>   | <b>4</b> | <b>52</b> | <b>189</b> | <b>459</b> | <b>1161</b> | <b>830</b> | <b>419</b> | <b>148</b> | <b>40</b> | <b>7</b>  | <b>6</b> | <b>3</b> |
| <b>18H(6-24)</b>     | <b>3383</b>    | <b>48</b>    | <b>40</b>  | <b>8</b>   | <b>4</b> | <b>52</b> | <b>190</b> | <b>462</b> | <b>1176</b> | <b>848</b> | <b>431</b> | <b>158</b> | <b>43</b> | <b>10</b> | <b>6</b> | <b>3</b> |
| <b>24H(0-24)</b>     | <b>3414</b>    | <b>48</b>    | <b>40</b>  | <b>8</b>   | <b>4</b> | <b>52</b> | <b>190</b> | <b>466</b> | <b>1181</b> | <b>856</b> | <b>437</b> | <b>163</b> | <b>45</b> | <b>10</b> | <b>6</b> | <b>4</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>14 March 2020</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 00:00                | 8              | 0            | 41         | 10         | 0      | 0      | 2      | 0      | 2      | 0      | 3      | 1      | 0      | 0      | 0      | 0    |
| 01:00                | 2              | 0            | 44         | 5          | 0      | 0      | 0      | 0      | 1      | 0      | 1      | 0      | 0      | 0      | 0      | 0    |
| 02:00                | 2              | 0            | 51         | 2          | 0      | 0      | 0      | 0      | 0      | 0      | 1      | 1      | 0      | 0      | 0      | 0    |
| 03:00                | 1              | 0            | 44         | 0          | 0      | 0      | 0      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0    |
| 04:00                | 4              | 0            | 44         | 4          | 0      | 0      | 0      | 0      | 1      | 2      | 1      | 0      | 0      | 0      | 0      | 0    |
| 05:00                | 6              | 0            | 47         | 8          | 0      | 0      | 0      | 1      | 1      | 0      | 1      | 3      | 0      | 0      | 0      | 0    |
| 06:00                | 13             | 54           | 46         | 11         | 0      | 0      | 1      | 0      | 4      | 2      | 1      | 3      | 1      | 0      | 1      | 0    |
| 07:00                | 47             | 50           | 45         | 7          | 0      | 0      | 0      | 3      | 8      | 18     | 13     | 2      | 1      | 1      | 1      | 0    |
| 08:00                | 109            | 51           | 43         | 8          | 0      | 0      | 4      | 14     | 32     | 26     | 15     | 13     | 2      | 2      | 0      | 1    |
| 09:00                | 172            | 47           | 40         | 7          | 0      | 0      | 10     | 33     | 55     | 44     | 18     | 11     | 1      | 0      | 0      | 0    |
| 10:00                | 189            | 46           | 39         | 8          | 0      | 10     | 3      | 27     | 75     | 48     | 18     | 8      | 0      | 0      | 0      | 0    |
| 11:00                | 191            | 47           | 38         | 9          | 2      | 13     | 12     | 30     | 53     | 46     | 24     | 10     | 1      | 0      | 0      | 0    |
| 12:00                | 195            | 46           | 38         | 9          | 4      | 9      | 15     | 42     | 53     | 42     | 19     | 9      | 1      | 0      | 1      | 0    |
| 13:00                | 219            | 46           | 40         | 7          | 0      | 0      | 19     | 29     | 86     | 56     | 17     | 9      | 2      | 1      | 0      | 0    |
| 14:00                | 179            | 49           | 41         | 8          | 0      | 2      | 10     | 22     | 60     | 43     | 29     | 6      | 4      | 1      | 1      | 1    |
| 15:00                | 192            | 48           | 40         | 8          | 0      | 5      | 20     | 20     | 58     | 47     | 30     | 9      | 3      | 0      | 0      | 0    |
| 16:00                | 182            | 48           | 40         | 9          | 1      | 7      | 14     | 21     | 60     | 42     | 21     | 14     | 0      | 1      | 1      | 0    |
| 17:00                | 169            | 50           | 42         | 7          | 0      | 0      | 8      | 29     | 49     | 36     | 29     | 12     | 5      | 1      | 0      | 0    |
| 18:00                | 125            | 47           | 40         | 7          | 0      | 2      | 6      | 21     | 43     | 29     | 16     | 5      | 2      | 1      | 0      | 0    |
| 19:00                | 74             | 50           | 42         | 9          | 0      | 2      | 3      | 8      | 28     | 12     | 12     | 5      | 2      | 2      | 0      | 0    |
| 20:00                | 54             | 50           | 43         | 8          | 0      | 0      | 2      | 7      | 13     | 15     | 11     | 4      | 0      | 2      | 0      | 0    |
| 21:00                | 47             | 52           | 43         | 9          | 0      | 0      | 5      | 1      | 15     | 7      | 11     | 3      | 4      | 1      | 0      | 0    |
| 22:00                | 49             | 54           | 42         | 11         | 0      | 2      | 4      | 7      | 11     | 7      | 7      | 6      | 3      | 1      | 1      | 0    |
| 23:00                | 43             | 54           | 44         | 10         | 0      | 1      | 2      | 2      | 14     | 11     | 3      | 6      | 0      | 3      | 0      | 1    |
| 12H(7-19)            | 1969           | 48           | 40         | 8          | 7      | 48     | 121    | 291    | 632    | 477    | 249    | 108    | 22     | 8      | 4      | 2    |
| 16H(6-22)            | 2157           | 48           | 40         | 8          | 7      | 50     | 132    | 307    | 692    | 513    | 284    | 123    | 29     | 13     | 5      | 2    |
| 18H(6-24)            | 2249           | 49           | 40         | 8          | 7      | 53     | 138    | 316    | 717    | 531    | 294    | 135    | 32     | 17     | 6      | 3    |
| 24H(0-24)            | 2272           | 49           | 40         | 8          | 7      | 53     | 140    | 317    | 722    | 534    | 301    | 140    | 32     | 17     | 6      | 3    |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31    | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>15 March 2020</b> |                |              |            |            |          |           |           |            |            |            |            |            |           |           |          |          |
| 00:00                | 22             | 52           | 44         | 9          | 0        | 1         | 0         | 3          | 4          | 3          | 6          | 5          | 0         | 0         | 0        | 0        |
| 01:00                | 6              | 0            | 46         | 2          | 0        | 0         | 0         | 0          | 0          | 3          | 3          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 3              | 0            | 39         | 11         | 0        | 0         | 1         | 0          | 1          | 0          | 0          | 1          | 0         | 0         | 0        | 0        |
| 03:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0         | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| 04:00                | 2              | 0            | 61         | 2          | 0        | 0         | 0         | 0          | 0          | 0          | 0          | 0          | 1         | 1         | 0        | 0        |
| 05:00                | 5              | 0            | 40         | 5          | 0        | 0         | 0         | 1          | 2          | 1          | 1          | 0          | 0         | 0         | 0        | 0        |
| 06:00                | 10             | 66           | 54         | 11         | 0        | 0         | 0         | 1          | 1          | 0          | 1          | 3          | 2         | 0         | 2        | 0        |
| 07:00                | 17             | 52           | 42         | 10         | 0        | 1         | 0         | 2          | 6          | 1          | 3          | 4          | 0         | 0         | 0        | 0        |
| 08:00                | 42             | 50           | 45         | 6          | 0        | 0         | 0         | 4          | 8          | 9          | 16         | 4          | 1         | 0         | 0        | 0        |
| 09:00                | 100            | 50           | 44         | 8          | 0        | 0         | 0         | 14         | 28         | 26         | 20         | 6          | 2         | 2         | 2        | 0        |
| 10:00                | 130            | 50           | 40         | 9          | 0        | 8         | 10        | 12         | 31         | 35         | 20         | 14         | 0         | 0         | 0        | 0        |
| <b>11:00</b>         | <b>150</b>     | 47           | 40         | 8          | 1        | 0         | 14        | 17         | 54         | 38         | 19         | 4          | 2         | 0         | 0        | 1        |
| 12:00                | 145            | 48           | 41         | 8          | 0        | 4         | 9         | 14         | 39         | 49         | 22         | 5          | 3         | 0         | 0        | 0        |
| 13:00                | 135            | 49           | 43         | 6          | 0        | 0         | 4         | 6          | 54         | 31         | 30         | 4          | 6         | 0         | 0        | 0        |
| <b>14:00</b>         | <b>158</b>     | 49           | 41         | 8          | 0        | 1         | 14        | 22         | 30         | 55         | 23         | 3          | 7         | 2         | 1        | 0        |
| 15:00                | 155            | 49           | 41         | 9          | 2        | 2         | 11        | 21         | 34         | 48         | 21         | 11         | 3         | 2         | 0        | 0        |
| 16:00                | 125            | 49           | 42         | 7          | 0        | 1         | 5         | 12         | 34         | 38         | 23         | 9          | 2         | 0         | 0        | 1        |
| 17:00                | 129            | 53           | 44         | 8          | 0        | 1         | 6         | 3          | 30         | 44         | 20         | 16         | 7         | 1         | 0        | 1        |
| 18:00                | 98             | 51           | 44         | 8          | 0        | 1         | 6         | 5          | 18         | 34         | 18         | 10         | 6         | 0         | 0        | 0        |
| 19:00                | 84             | 50           | 43         | 9          | 0        | 0         | 3         | 11         | 25         | 20         | 14         | 4          | 4         | 1         | 0        | 2        |
| 20:00                | 53             | 51           | 44         | 6          | 0        | 0         | 0         | 3          | 17         | 19         | 5          | 8          | 0         | 1         | 0        | 0        |
| 21:00                | 22             | 51           | 42         | 8          | 0        | 0         | 1         | 4          | 8          | 4          | 1          | 3          | 0         | 1         | 0        | 0        |
| 22:00                | 41             | 50           | 42         | 8          | 0        | 0         | 0         | 8          | 14         | 10         | 3          | 2          | 2         | 2         | 0        | 0        |
| 23:00                | 11             | 52           | 46         | 6          | 0        | 0         | 0         | 0          | 3          | 3          | 2          | 3          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>1384</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>3</b> | <b>19</b> | <b>79</b> | <b>132</b> | <b>366</b> | <b>408</b> | <b>235</b> | <b>90</b>  | <b>39</b> | <b>7</b>  | <b>3</b> | <b>3</b> |
| <b>16H(6-22)</b>     | <b>1553</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>3</b> | <b>19</b> | <b>83</b> | <b>151</b> | <b>417</b> | <b>451</b> | <b>256</b> | <b>108</b> | <b>45</b> | <b>10</b> | <b>5</b> | <b>5</b> |
| <b>18H(6-24)</b>     | <b>1605</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>3</b> | <b>19</b> | <b>83</b> | <b>159</b> | <b>434</b> | <b>464</b> | <b>261</b> | <b>113</b> | <b>47</b> | <b>12</b> | <b>5</b> | <b>5</b> |
| <b>24H(0-24)</b>     | <b>1643</b>    | <b>50</b>    | <b>42</b>  | <b>8</b>   | <b>3</b> | <b>20</b> | <b>84</b> | <b>163</b> | <b>441</b> | <b>471</b> | <b>271</b> | <b>119</b> | <b>48</b> | <b>13</b> | <b>5</b> | <b>5</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>16 March 2020</b> |                |              |            |            |          |           |            |            |            |            |            |            |           |           |          |          |
| 00:00                | 10             | 54           | 45         | 14         | 0        | 0         | 3          | 0          | 0          | 1          | 3          | 2          | 0         | 0         | 0        | 1        |
| 01:00                | 2              | 0            | 58         | 10         | 0        | 0         | 0          | 0          | 0          | 0          | 1          | 0          | 0         | 0         | 1        | 0        |
| 02:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 2              | 0            | 55         | 16         | 0        | 0         | 0          | 0          | 1          | 0          | 0          | 0          | 0         | 0         | 0        | 1        |
| 04:00                | 2              | 0            | 54         | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 2          | 0         | 0         | 0        | 0        |
| 05:00                | 17             | 54           | 46         | 10         | 0        | 0         | 1          | 0          | 5          | 2          | 4          | 3          | 1         | 0         | 1        | 0        |
| 06:00                | 31             | 55           | 47         | 9          | 0        | 0         | 1          | 3          | 3          | 7          | 9          | 4          | 1         | 2         | 1        | 0        |
| 07:00                | 225            | 50           | 43         | 7          | 0        | 1         | 4          | 14         | 65         | 72         | 46         | 14         | 6         | 1         | 1        | 1        |
| <b>08:00</b>         | <b>312</b>     | <b>46</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>2</b>  | <b>9</b>   | <b>19</b>  | <b>117</b> | <b>115</b> | <b>43</b>  | <b>5</b>   | <b>2</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 233            | 48           | 41         | 6          | 0        | 0         | 14         | 23         | 70         | 79         | 36         | 9          | 2         | 0         | 0        | 0        |
| 10:00                | 183            | 46           | 39         | 7          | 1        | 3         | 8          | 38         | 67         | 41         | 19         | 3          | 3         | 0         | 0        | 0        |
| 11:00                | 184            | 46           | 39         | 8          | 0        | 5         | 16         | 37         | 64         | 36         | 18         | 4          | 3         | 1         | 0        | 0        |
| 12:00                | 214            | 46           | 38         | 9          | 2        | 7         | 27         | 37         | 60         | 53         | 18         | 5          | 3         | 2         | 0        | 0        |
| 13:00                | 205            | 46           | 39         | 8          | 1        | 10        | 13         | 19         | 64         | 69         | 22         | 7          | 0         | 0         | 0        | 0        |
| 14:00                | 235            | 45           | 36         | 10         | 3        | 19        | 43         | 21         | 71         | 56         | 16         | 5          | 0         | 1         | 0        | 0        |
| 15:00                | 255            | 46           | 37         | 9          | 0        | 15        | 39         | 35         | 80         | 49         | 24         | 11         | 2         | 0         | 0        | 0        |
| <b>16:00</b>         | <b>311</b>     | <b>47</b>    | <b>40</b>  | <b>8</b>   | <b>1</b> | <b>8</b>  | <b>21</b>  | <b>48</b>  | <b>95</b>  | <b>79</b>  | <b>45</b>  | <b>11</b>  | <b>3</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 17:00                | 308            | 49           | 42         | 8          | 0        | 7         | 12         | 32         | 77         | 103        | 59         | 10         | 7         | 0         | 1        | 0        |
| 18:00                | 213            | 49           | 41         | 8          | 0        | 1         | 13         | 31         | 65         | 54         | 31         | 12         | 4         | 0         | 2        | 0        |
| 19:00                | 118            | 48           | 40         | 8          | 0        | 4         | 10         | 7          | 49         | 25         | 15         | 6          | 2         | 0         | 0        | 0        |
| 20:00                | 53             | 51           | 41         | 8          | 0        | 1         | 4          | 5          | 17         | 14         | 4          | 7          | 0         | 1         | 0        | 0        |
| 21:00                | 42             | 54           | 44         | 10         | 0        | 0         | 5          | 3          | 7          | 8          | 8          | 8          | 1         | 0         | 1        | 1        |
| 22:00                | 43             | 54           | 44         | 9          | 0        | 0         | 3          | 3          | 14         | 8          | 4          | 7          | 2         | 1         | 1        | 0        |
| 23:00                | 18             | 53           | 45         | 9          | 0        | 0         | 0          | 2          | 6          | 4          | 2          | 2          | 0         | 2         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2878</b>    | <b>47</b>    | <b>40</b>  | <b>8</b>   | <b>8</b> | <b>78</b> | <b>219</b> | <b>354</b> | <b>895</b> | <b>806</b> | <b>377</b> | <b>96</b>  | <b>35</b> | <b>5</b>  | <b>4</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>3122</b>    | <b>47</b>    | <b>40</b>  | <b>8</b>   | <b>8</b> | <b>83</b> | <b>239</b> | <b>372</b> | <b>971</b> | <b>860</b> | <b>413</b> | <b>121</b> | <b>39</b> | <b>8</b>  | <b>6</b> | <b>2</b> |
| <b>18H(6-24)</b>     | <b>3183</b>    | <b>48</b>    | <b>40</b>  | <b>8</b>   | <b>8</b> | <b>83</b> | <b>242</b> | <b>377</b> | <b>991</b> | <b>872</b> | <b>419</b> | <b>130</b> | <b>41</b> | <b>11</b> | <b>7</b> | <b>2</b> |
| <b>24H(0-24)</b>     | <b>3216</b>    | <b>48</b>    | <b>40</b>  | <b>8</b>   | <b>8</b> | <b>83</b> | <b>246</b> | <b>377</b> | <b>997</b> | <b>875</b> | <b>427</b> | <b>137</b> | <b>42</b> | <b>11</b> | <b>9</b> | <b>4</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>17 March 2020</b> |                |              |            |            |          |           |            |            |            |            |            |            |           |           |          |          |
| 00:00                | 4              | 0            | 48         | 5          | 0        | 0         | 0          | 0          | 0          | 2          | 0          | 2          | 0         | 0         | 0        | 0        |
| 01:00                | 2              | 0            | 48         | 5          | 0        | 0         | 0          | 0          | 0          | 1          | 0          | 1          | 0         | 0         | 0        | 0        |
| 02:00                | 2              | 0            | 60         | 11         | 0        | 0         | 0          | 0          | 0          | 0          | 1          | 0          | 0         | 0         | 0        | 1        |
| 03:00                | 2              | 0            | 46         | 2          | 0        | 0         | 0          | 0          | 0          | 1          | 1          | 0          | 0         | 0         | 0        | 0        |
| 04:00                | 3              | 0            | 45         | 19         | 0        | 0         | 1          | 0          | 1          | 0          | 0          | 0          | 0         | 0         | 0        | 1        |
| 05:00                | 15             | 50           | 45         | 8          | 0        | 0         | 1          | 1          | 2          | 3          | 6          | 0          | 2         | 0         | 0        | 0        |
| 06:00                | 40             | 57           | 47         | 9          | 0        | 0         | 1          | 3          | 5          | 7          | 13         | 4          | 4         | 2         | 1        | 0        |
| 07:00                | 195            | 50           | 44         | 7          | 0        | 1         | 4          | 17         | 48         | 57         | 43         | 19         | 4         | 1         | 1        | 0        |
| <b>08:00</b>         | <b>319</b>     | <b>46</b>    | <b>39</b>  | <b>7</b>   | <b>0</b> | <b>3</b>  | <b>27</b>  | <b>53</b>  | <b>112</b> | <b>84</b>  | <b>27</b>  | <b>8</b>   | <b>5</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 205            | 41           | 35         | 6          | 0        | 2         | 27         | 92         | 56         | 20         | 8          | 0          | 0         | 0         | 0        | 0        |
| 10:00                | 184            | 43           | 37         | 6          | 0        | 2         | 24         | 45         | 70         | 34         | 8          | 1          | 0         | 0         | 0        | 0        |
| 11:00                | 187            | 46           | 39         | 8          | 0        | 5         | 14         | 35         | 72         | 32         | 19         | 9          | 1         | 0         | 0        | 0        |
| 12:00                | 196            | 45           | 39         | 7          | 0        | 4         | 14         | 40         | 73         | 42         | 14         | 7          | 1         | 1         | 0        | 0        |
| 13:00                | 183            | 44           | 37         | 7          | 0        | 6         | 17         | 33         | 86         | 26         | 11         | 2          | 1         | 1         | 0        | 0        |
| 14:00                | 193            | 42           | 37         | 6          | 0        | 0         | 24         | 54         | 81         | 26         | 4          | 2          | 0         | 2         | 0        | 0        |
| 15:00                | 244            | 46           | 40         | 6          | 0        | 0         | 16         | 42         | 91         | 58         | 28         | 7          | 2         | 0         | 0        | 0        |
| 16:00                | 277            | 48           | 41         | 8          | 0        | 6         | 22         | 28         | 75         | 85         | 47         | 10         | 4         | 0         | 0        | 0        |
| <b>17:00</b>         | <b>285</b>     | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>7</b>  | <b>10</b>  | <b>22</b>  | <b>67</b>  | <b>110</b> | <b>48</b>  | <b>18</b>  | <b>3</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 18:00                | 178            | 50           | 42         | 8          | 0        | 4         | 8          | 20         | 42         | 55         | 29         | 14         | 3         | 2         | 1        | 0        |
| 19:00                | 84             | 48           | 41         | 7          | 0        | 0         | 5          | 12         | 23         | 25         | 16         | 1          | 2         | 0         | 0        | 0        |
| 20:00                | 69             | 51           | 45         | 6          | 0        | 0         | 0          | 4          | 19         | 16         | 20         | 8          | 2         | 0         | 0        | 0        |
| 21:00                | 38             | 55           | 45         | 12         | 0        | 1         | 1          | 5          | 9          | 6          | 5          | 5          | 1         | 3         | 0        | 2        |
| 22:00                | 29             | 54           | 45         | 12         | 0        | 0         | 1          | 6          | 6          | 7          | 3          | 2          | 0         | 0         | 2        | 2        |
| 23:00                | 7              | 0            | 35         | 8          | 0        | 1         | 0          | 2          | 3          | 1          | 0          | 0          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2646</b>    | <b>46</b>    | <b>39</b>  | <b>7</b>   | <b>0</b> | <b>40</b> | <b>207</b> | <b>481</b> | <b>873</b> | <b>629</b> | <b>286</b> | <b>97</b>  | <b>24</b> | <b>7</b>  | <b>2</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>2877</b>    | <b>47</b>    | <b>40</b>  | <b>8</b>   | <b>0</b> | <b>41</b> | <b>214</b> | <b>505</b> | <b>929</b> | <b>683</b> | <b>340</b> | <b>115</b> | <b>33</b> | <b>12</b> | <b>3</b> | <b>2</b> |
| <b>18H(6-24)</b>     | <b>2913</b>    | <b>47</b>    | <b>40</b>  | <b>8</b>   | <b>0</b> | <b>42</b> | <b>215</b> | <b>513</b> | <b>938</b> | <b>691</b> | <b>343</b> | <b>117</b> | <b>33</b> | <b>12</b> | <b>5</b> | <b>4</b> |
| <b>24H(0-24)</b>     | <b>2941</b>    | <b>47</b>    | <b>40</b>  | <b>8</b>   | <b>0</b> | <b>42</b> | <b>217</b> | <b>514</b> | <b>941</b> | <b>698</b> | <b>351</b> | <b>120</b> | <b>35</b> | <b>12</b> | <b>5</b> | <b>6</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71    | =>71      |           |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <b>18 March 2020</b> |                |              |            |            |          |           |            |            |            |            |            |            |           |           |           |           |           |
| 00:00                | 4              | 0            | 47         | 10         | 0        | 0         | 0          | 0          | 1          | 2          | 0          | 0          | 0         | 0         | 1         | 0         | 0         |
| 01:00                | 3              | 0            | 50         | 5          | 0        | 0         | 0          | 0          | 0          | 1          | 0          | 2          | 0         | 0         | 0         | 0         | 0         |
| 02:00                | 1              | 0            | 38         | 0          | 0        | 0         | 0          | 0          | 1          | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0         |
| 03:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0         |
| 04:00                | 4              | 0            | 49         | 13         | 0        | 0         | 0          | 0          | 2          | 0          | 1          | 0          | 0         | 0         | 0         | 0         | 1         |
| 05:00                | 9              | 0            | 49         | 9          | 0        | 0         | 0          | 0          | 2          | 3          | 0          | 2          | 0         | 2         | 0         | 0         | 0         |
| 06:00                | 44             | 60           | 49         | 10         | 0        | 0         | 1          | 3          | 7          | 6          | 6          | 11         | 4         | 4         | 2         | 0         | 0         |
| 07:00                | 197            | 50           | 44         | 6          | 0        | 0         | 0          | 14         | 55         | 56         | 48         | 17         | 6         | 1         | 0         | 0         | 0         |
| <b>08:00</b>         | <b>298</b>     | <b>47</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>1</b>  | <b>5</b>   | <b>40</b>  | <b>105</b> | <b>92</b>  | <b>38</b>  | <b>13</b>  | <b>4</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  |
| 09:00                | 200            | 45           | 39         | 7          | 0        | 2         | 11         | 43         | 67         | 55         | 14         | 7          | 1         | 0         | 0         | 0         | 0         |
| 10:00                | 158            | 46           | 39         | 8          | 0        | 1         | 16         | 30         | 59         | 30         | 13         | 6          | 1         | 0         | 1         | 1         | 1         |
| 11:00                | 171            | 45           | 38         | 8          | 0        | 8         | 15         | 34         | 54         | 41         | 16         | 2          | 0         | 0         | 1         | 0         | 0         |
| 12:00                | 155            | 45           | 38         | 8          | 1        | 2         | 18         | 26         | 58         | 35         | 9          | 2          | 4         | 0         | 0         | 0         | 0         |
| 13:00                | 153            | 48           | 40         | 8          | 0        | 1         | 16         | 21         | 46         | 35         | 25         | 8          | 0         | 1         | 0         | 0         | 0         |
| 14:00                | 154            | 50           | 42         | 8          | 1        | 1         | 6          | 17         | 43         | 40         | 25         | 15         | 6         | 0         | 0         | 0         | 0         |
| 15:00                | 206            | 47           | 40         | 7          | 0        | 1         | 17         | 30         | 64         | 55         | 26         | 11         | 1         | 1         | 0         | 0         | 0         |
| <b>16:00</b>         | <b>257</b>     | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>1</b> | <b>2</b>  | <b>15</b>  | <b>8</b>   | <b>73</b>  | <b>90</b>  | <b>46</b>  | <b>20</b>  | <b>0</b>  | <b>1</b>  | <b>0</b>  | <b>1</b>  | <b>1</b>  |
| 17:00                | 238            | 49           | 43         | 7          | 0        | 2         | 7          | 13         | 68         | 87         | 42         | 13         | 5         | 0         | 1         | 0         | 0         |
| 18:00                | 140            | 50           | 43         | 9          | 0        | 2         | 11         | 9          | 32         | 38         | 30         | 12         | 2         | 1         | 1         | 2         | 2         |
| 19:00                | 80             | 49           | 43         | 7          | 0        | 0         | 1          | 10         | 24         | 23         | 16         | 2          | 2         | 0         | 2         | 0         | 0         |
| 20:00                | 49             | 53           | 45         | 9          | 0        | 0         | 4          | 1          | 8          | 17         | 9          | 6          | 1         | 1         | 0         | 2         | 2         |
| 21:00                | 45             | 53           | 44         | 11         | 0        | 1         | 2          | 3          | 13         | 11         | 6          | 5          | 0         | 1         | 1         | 2         | 2         |
| 22:00                | 23             | 53           | 45         | 10         | 0        | 0         | 1          | 3          | 5          | 5          | 4          | 3          | 0         | 0         | 1         | 1         | 1         |
| 23:00                | 12             | 54           | 43         | 11         | 0        | 1         | 0          | 0          | 5          | 1          | 1          | 3          | 1         | 0         | 0         | 0         | 0         |
| <b>12H(7-19)</b>     | <b>2327</b>    | <b>48</b>    | <b>41</b>  | <b>7</b>   | <b>3</b> | <b>23</b> | <b>137</b> | <b>285</b> | <b>724</b> | <b>654</b> | <b>332</b> | <b>126</b> | <b>30</b> | <b>5</b>  | <b>4</b>  | <b>4</b>  | <b>4</b>  |
| <b>16H(6-22)</b>     | <b>2545</b>    | <b>49</b>    | <b>41</b>  | <b>8</b>   | <b>3</b> | <b>24</b> | <b>145</b> | <b>302</b> | <b>776</b> | <b>711</b> | <b>369</b> | <b>150</b> | <b>37</b> | <b>11</b> | <b>9</b>  | <b>8</b>  | <b>8</b>  |
| <b>18H(6-24)</b>     | <b>2580</b>    | <b>49</b>    | <b>41</b>  | <b>8</b>   | <b>3</b> | <b>25</b> | <b>146</b> | <b>305</b> | <b>786</b> | <b>717</b> | <b>374</b> | <b>156</b> | <b>38</b> | <b>11</b> | <b>10</b> | <b>9</b>  | <b>9</b>  |
| <b>24H(0-24)</b>     | <b>2601</b>    | <b>49</b>    | <b>41</b>  | <b>8</b>   | <b>3</b> | <b>25</b> | <b>146</b> | <b>305</b> | <b>792</b> | <b>723</b> | <b>375</b> | <b>160</b> | <b>38</b> | <b>14</b> | <b>10</b> | <b>10</b> | <b>10</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>19 March 2020</b> |                |              |            |            |          |           |            |            |            |            |            |            |           |           |          |          |
| 00:00                | 1              | 0            | 44         | 0          | 0        | 0         | 0          | 0          | 0          | 1          | 0          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 3              | 0            | 47         | 5          | 0        | 0         | 0          | 0          | 0          | 2          | 0          | 1          | 0         | 0         | 0        | 0        |
| 02:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 1              | 0            | 38         | 0          | 0        | 0         | 0          | 0          | 1          | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| 04:00                | 4              | 0            | 46         | 17         | 0        | 0         | 1          | 0          | 1          | 0          | 1          | 0          | 0         | 0         | 0        | 1        |
| 05:00                | 7              | 0            | 47         | 7          | 0        | 0         | 0          | 0          | 2          | 1          | 2          | 1          | 1         | 0         | 0        | 0        |
| 06:00                | 35             | 55           | 46         | 10         | 0        | 0         | 1          | 6          | 6          | 4          | 8          | 5          | 2         | 2         | 1        | 0        |
| 07:00                | 175            | 52           | 45         | 7          | 0        | 0         | 3          | 11         | 37         | 55         | 40         | 22         | 4         | 3         | 0        | 0        |
| <b>08:00</b>         | <b>266</b>     | <b>48</b>    | <b>42</b>  | <b>5</b>   | <b>0</b> | <b>0</b>  | <b>4</b>   | <b>23</b>  | <b>89</b>  | <b>94</b>  | <b>45</b>  | <b>11</b>  | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 174            | 46           | 40         | 7          | 0        | 3         | 7          | 27         | 63         | 46         | 21         | 5          | 2         | 0         | 0        | 0        |
| 10:00                | 145            | 48           | 40         | 8          | 0        | 2         | 10         | 23         | 47         | 36         | 15         | 8          | 2         | 2         | 0        | 0        |
| 11:00                | 151            | 48           | 41         | 7          | 0        | 2         | 6          | 21         | 50         | 41         | 24         | 7          | 0         | 0         | 0        | 0        |
| 12:00                | 155            | 47           | 40         | 8          | 0        | 2         | 15         | 15         | 49         | 47         | 19         | 5          | 2         | 1         | 0        | 0        |
| 13:00                | 135            | 49           | 41         | 8          | 0        | 0         | 15         | 20         | 37         | 29         | 21         | 11         | 2         | 0         | 0        | 0        |
| 14:00                | 169            | 48           | 40         | 7          | 0        | 1         | 8          | 33         | 55         | 42         | 13         | 15         | 2         | 0         | 0        | 0        |
| 15:00                | 185            | 47           | 40         | 7          | 0        | 3         | 16         | 18         | 63         | 54         | 23         | 7          | 0         | 1         | 0        | 0        |
| 16:00                | 219            | 50           | 43         | 8          | 0        | 3         | 3          | 24         | 50         | 74         | 42         | 9          | 12        | 1         | 1        | 0        |
| <b>17:00</b>         | <b>235</b>     | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>1</b>  | <b>11</b>  | <b>15</b>  | <b>66</b>  | <b>79</b>  | <b>49</b>  | <b>9</b>   | <b>3</b>  | <b>2</b>  | <b>0</b> | <b>0</b> |
| 18:00                | 140            | 49           | 42         | 7          | 0        | 2         | 5          | 13         | 35         | 49         | 26         | 6          | 3         | 1         | 0        | 0        |
| 19:00                | 86             | 49           | 41         | 9          | 0        | 3         | 4          | 10         | 26         | 23         | 11         | 5          | 2         | 1         | 1        | 0        |
| 20:00                | 58             | 50           | 43         | 8          | 0        | 0         | 1          | 8          | 18         | 11         | 12         | 5          | 1         | 1         | 0        | 1        |
| 21:00                | 39             | 57           | 46         | 10         | 0        | 0         | 2          | 2          | 11         | 6          | 6          | 5          | 4         | 2         | 1        | 0        |
| 22:00                | 25             | 51           | 41         | 8          | 0        | 0         | 2          | 4          | 8          | 4          | 3          | 3          | 1         | 0         | 0        | 0        |
| 23:00                | 19             | 53           | 43         | 11         | 0        | 1         | 2          | 0          | 4          | 3          | 5          | 2          | 1         | 1         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2149</b>    | <b>49</b>    | <b>41</b>  | <b>7</b>   | <b>0</b> | <b>19</b> | <b>103</b> | <b>243</b> | <b>641</b> | <b>646</b> | <b>338</b> | <b>115</b> | <b>32</b> | <b>11</b> | <b>1</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>2367</b>    | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>22</b> | <b>111</b> | <b>269</b> | <b>702</b> | <b>690</b> | <b>375</b> | <b>135</b> | <b>41</b> | <b>17</b> | <b>4</b> | <b>1</b> |
| <b>18H(6-24)</b>     | <b>2411</b>    | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>23</b> | <b>115</b> | <b>273</b> | <b>714</b> | <b>697</b> | <b>383</b> | <b>140</b> | <b>43</b> | <b>18</b> | <b>4</b> | <b>1</b> |
| <b>24H(0-24)</b>     | <b>2427</b>    | <b>49</b>    | <b>42</b>  | <b>7</b>   | <b>0</b> | <b>23</b> | <b>116</b> | <b>273</b> | <b>718</b> | <b>701</b> | <b>386</b> | <b>142</b> | <b>44</b> | <b>18</b> | <b>4</b> | <b>2</b> |

25064

NORTON

Site No: 25064002

Location Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

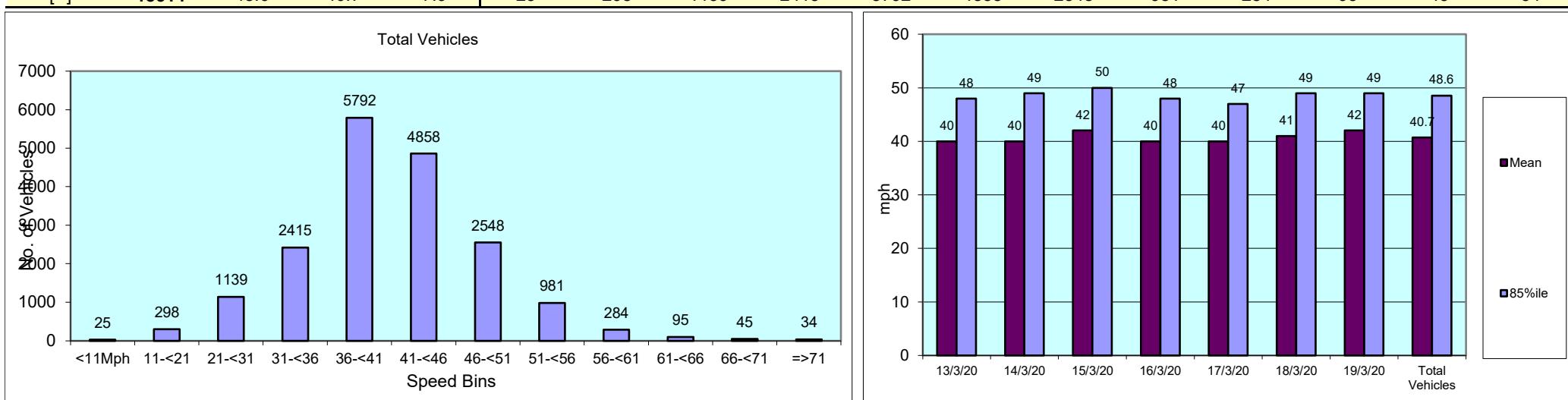
| Time Period | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|-------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
|-------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|

**Daily Totals**

|         |      |    |    |   |   |    |     |     |      |     |     |     |    |    |    |    |
|---------|------|----|----|---|---|----|-----|-----|------|-----|-----|-----|----|----|----|----|
| 13/3/20 | 3414 | 48 | 40 | 8 | 4 | 52 | 190 | 466 | 1181 | 856 | 437 | 163 | 45 | 10 | 6  | 4  |
| 14/3/20 | 2272 | 49 | 40 | 8 | 7 | 53 | 140 | 317 | 722  | 534 | 301 | 140 | 32 | 17 | 6  | 3  |
| 15/3/20 | 1643 | 50 | 42 | 8 | 3 | 20 | 84  | 163 | 441  | 471 | 271 | 119 | 48 | 13 | 5  | 5  |
| 16/3/20 | 3216 | 48 | 40 | 8 | 8 | 83 | 246 | 377 | 997  | 875 | 427 | 137 | 42 | 11 | 9  | 4  |
| 17/3/20 | 2941 | 47 | 40 | 8 | 0 | 42 | 217 | 514 | 941  | 698 | 351 | 120 | 35 | 12 | 5  | 6  |
| 18/3/20 | 2601 | 49 | 41 | 8 | 3 | 25 | 146 | 305 | 792  | 723 | 375 | 160 | 38 | 14 | 10 | 10 |
| 19/3/20 | 2427 | 49 | 42 | 7 | 0 | 23 | 116 | 273 | 718  | 701 | 386 | 142 | 44 | 18 | 4  | 2  |

**Total Vehicles**

|      |       |      |      |     |    |     |      |      |      |      |      |     |     |    |    |    |
|------|-------|------|------|-----|----|-----|------|------|------|------|------|-----|-----|----|----|----|
| [--] | 18514 | 48.6 | 40.7 | 7.9 | 25 | 298 | 1139 | 2415 | 5792 | 4858 | 2548 | 981 | 284 | 95 | 45 | 34 |
|------|-------|------|------|-----|----|-----|------|------|------|------|------|-----|-----|----|----|----|



25064

NORTON

Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD                      | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day Ave.  | 7-Day Ave.  |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-------------|
| <b>Week Begin: 13 March 2020</b> |                 |                 |                 |                 |                 |                 |                 |             |             |
| 00:00                            | 13              | 8               | 22              | 10              | 4               | 4               | 1               | 6           | 9           |
| 01:00                            | 2               | 2               | 6               | 2               | 2               | 3               | 3               | 2           | 3           |
| 02:00                            | 3               | 2               | 3               | 0               | 2               | 1               | 0               | 1           | 2           |
| 03:00                            | 2               | 1               | 0               | 2               | 2               | 0               | 1               | 1           | 1           |
| 04:00                            | 2               | 4               | 2               | 2               | 3               | 4               | 4               | 3           | 3           |
| 05:00                            | 9               | 6               | 5               | 17              | 15              | 9               | 7               | 11          | 10          |
| 06:00                            | 45              | 13              | 10              | 31              | 40              | 44              | 35              | 39          | 31          |
| 07:00                            | 187             | 47              | 17              | 225             | 195             | 197             | 175             | 196         | 149         |
| 08:00                            | 320             | 109             | 42              | 312             | 319             | 298             | 266             | 303         | 238         |
| 09:00                            | 234             | 172             | 100             | 233             | 205             | 200             | 174             | 209         | 188         |
| 10:00                            | 210             | 189             | 130             | 183             | 184             | 158             | 145             | 176         | 171         |
| 11:00                            | 197             | 191             | 150             | 184             | 187             | 171             | 151             | 178         | 176         |
| 12:00                            | 261             | 195             | 145             | 214             | 196             | 155             | 155             | 196         | 189         |
| 13:00                            | 232             | 219             | 135             | 205             | 183             | 153             | 135             | 182         | 180         |
| 14:00                            | 254             | 179             | 158             | 235             | 193             | 154             | 169             | 201         | 192         |
| 15:00                            | 316             | 192             | 155             | 255             | 244             | 206             | 185             | 241         | 222         |
| 16:00                            | 296             | 182             | 125             | 311             | 277             | 257             | 219             | 272         | 238         |
| 17:00                            | 285             | 169             | 129             | 308             | 285             | 238             | 235             | 270         | 236         |
| 18:00                            | 203             | 125             | 98              | 213             | 178             | 140             | 140             | 175         | 157         |
| 19:00                            | 141             | 74              | 84              | 118             | 84              | 80              | 86              | 102         | 95          |
| 20:00                            | 87              | 54              | 53              | 53              | 69              | 49              | 58              | 63          | 60          |
| 21:00                            | 50              | 47              | 22              | 42              | 38              | 45              | 39              | 43          | 40          |
| 22:00                            | 32              | 49              | 41              | 43              | 29              | 23              | 25              | 30          | 35          |
| 23:00                            | 33              | 43              | 11              | 18              | 7               | 12              | 19              | 18          | 20          |
| <b>12H(7-19)</b>                 | <b>2995</b>     | <b>1969</b>     | <b>1384</b>     | <b>2878</b>     | <b>2646</b>     | <b>2327</b>     | <b>2149</b>     | <b>2599</b> | <b>2335</b> |
| <b>16H(6-22)</b>                 | <b>3318</b>     | <b>2157</b>     | <b>1553</b>     | <b>3122</b>     | <b>2877</b>     | <b>2545</b>     | <b>2367</b>     | <b>2846</b> | <b>2563</b> |
| <b>18H(6-24)</b>                 | <b>3383</b>     | <b>2249</b>     | <b>1605</b>     | <b>3183</b>     | <b>2913</b>     | <b>2580</b>     | <b>2411</b>     | <b>2894</b> | <b>2618</b> |
| <b>24H(0-24)</b>                 | <b>3414</b>     | <b>2272</b>     | <b>1643</b>     | <b>3216</b>     | <b>2941</b>     | <b>2601</b>     | <b>2427</b>     | <b>2920</b> | <b>2645</b> |
| <b>AM</b>                        | <b>08:00</b>    | <b>11:00</b>    | <b>11:00</b>    | <b>08:00</b>    | <b>08:00</b>    | <b>08:00</b>    | <b>08:00</b>    |             |             |
| <b>Peak</b>                      | <b>320</b>      | <b>191</b>      | <b>150</b>      | <b>312</b>      | <b>319</b>      | <b>298</b>      | <b>266</b>      |             |             |
| <b>PM</b>                        | <b>15:00</b>    | <b>13:00</b>    | <b>14:00</b>    | <b>16:00</b>    | <b>17:00</b>    | <b>16:00</b>    | <b>17:00</b>    |             |             |
| <b>Peak</b>                      | <b>316</b>      | <b>219</b>      | <b>158</b>      | <b>311</b>      | <b>285</b>      | <b>257</b>      | <b>235</b>      |             |             |

25064

NORTON

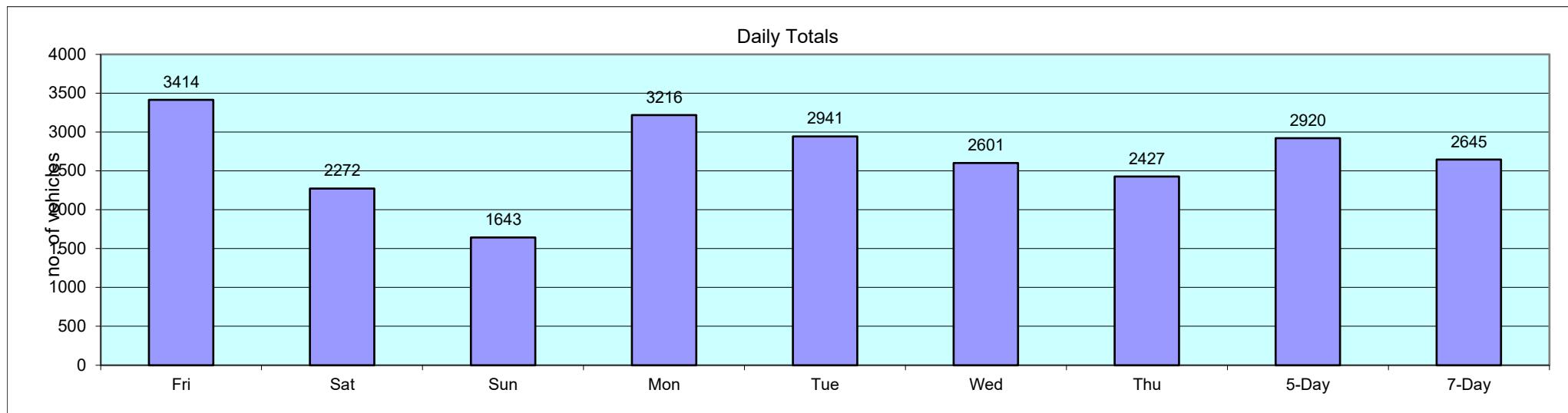
Site No: 25064002

Location

Site 2, Guarlford Road, Malvern (40/60mph Sign)

Channel: Westbound

| TIME PERIOD | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day<br>Ave. | 7-Day<br>Ave. |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|



| 25064                |  | NORTON             |            |          |                          |                |            |                      |                    |      |
|----------------------|--|--------------------|------------|----------|--------------------------|----------------|------------|----------------------|--------------------|------|
|                      |  | MARCH 2020         |            |          | Posted Speed Limit (PSL) | Total Vehicles |            |                      |                    |      |
| Site                 | Location   | Direction          | Start Date | End Date |                          | 5 Day Ave.     | 7 Day Ave. | Average 85%ile Speed | Average Mean Speed |      |
| Site No:<br>25064001 | Site 1, Guarlford Road,<br>Malvern (TG Pole)<br>SO 79592 45406 | Channel: Eastbound | 13/03/20   | 19/03/20 | 40                       | 21020          | 3357       | 3003                 | 46.6               | 40.6 |
|                      |  | Channel: Westbound | 13/03/20   | 19/03/20 |                          | 21345          | 3372       | 3049                 | 43.9               | 38.3 |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %      | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|------------|-----------|------------|----------|------------|
| <b>13 March 2020</b> |                |              |               |             |             |            |            |           |            |          |            |
| 00:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 0              | 0            | 0.0           | 0           | 0.0         | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 6              | 0            | 0.0           | 4           | 66.7        | 2          | 33.3       | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 11             | 0            | 0.0           | 11          | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 45             | 0            | 0.0           | 38          | 84.4        | 6          | 13.3       | 1         | 2.2        | 0        | 0.0        |
| 06:00                | 153            | 0            | 0.0           | 134         | 87.6        | 17         | 11.1       | 2         | 1.3        | 0        | 0.0        |
| 07:00                | 278            | 4            | 1.4           | 247         | 88.9        | 26         | 9.4        | 1         | 0.4        | 0        | 0.0        |
| <b>08:00</b>         | <b>313</b>     | <b>1</b>     | <b>0.3</b>    | <b>279</b>  | <b>89.1</b> | <b>31</b>  | <b>9.9</b> | <b>2</b>  | <b>0.6</b> | <b>0</b> | <b>0.0</b> |
| 09:00                | 260            | 4            | 1.5           | 222         | 85.4        | 24         | 9.2        | 9         | 3.5        | 1        | 0.4        |
| 10:00                | 285            | 2            | 0.7           | 246         | 86.3        | 32         | 11.2       | 5         | 1.8        | 0        | 0.0        |
| 11:00                | 283            | 2            | 0.7           | 242         | 85.5        | 30         | 10.6       | 9         | 3.2        | 0        | 0.0        |
| 12:00                | 330            | 1            | 0.3           | 287         | 87.0        | 35         | 10.6       | 6         | 1.8        | 1        | 0.3        |
| 13:00                | 310            | 1            | 0.3           | 264         | 85.2        | 36         | 11.6       | 8         | 2.6        | 1        | 0.3        |
| 14:00                | 338            | 3            | 0.9           | 300         | 88.8        | 30         | 8.9        | 5         | 1.5        | 0        | 0.0        |
| <b>15:00</b>         | <b>428</b>     | <b>6</b>     | <b>1.4</b>    | <b>382</b>  | <b>89.3</b> | <b>27</b>  | <b>6.3</b> | <b>11</b> | <b>2.6</b> | <b>2</b> | <b>0.5</b> |
| 16:00                | 322            | 1            | 0.3           | 301         | 93.5        | 19         | 5.9        | 1         | 0.3        | 0        | 0.0        |
| 17:00                | 283            | 2            | 0.7           | 263         | 92.9        | 16         | 5.7        | 2         | 0.7        | 0        | 0.0        |
| 18:00                | 183            | 1            | 0.6           | 174         | 95.1        | 8          | 4.4        | 0         | 0.0        | 0        | 0.0        |
| 19:00                | 103            | 2            | 1.9           | 94          | 91.3        | 7          | 6.8        | 0         | 0.0        | 0        | 0.0        |
| 20:00                | 73             | 1            | 1.4           | 70          | 95.9        | 2          | 2.7        | 0         | 0.0        | 0        | 0.0        |
| 21:00                | 55             | 0            | 0.0           | 53          | 96.4        | 2          | 3.6        | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 41             | 0            | 0.0           | 37          | 90.2        | 3          | 7.3        | 1         | 2.4        | 0        | 0.0        |
| 23:00                | 13             | 0            | 0.0           | 13          | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>3613</b>    | <b>28</b>    | <b>0.8</b>    | <b>3207</b> | <b>88.8</b> | <b>314</b> | <b>8.7</b> | <b>59</b> | <b>1.6</b> | <b>5</b> | <b>0.1</b> |
| <b>16H(6-22)</b>     | <b>3997</b>    | <b>31</b>    | <b>0.8</b>    | <b>3558</b> | <b>89.0</b> | <b>342</b> | <b>8.6</b> | <b>61</b> | <b>1.5</b> | <b>5</b> | <b>0.1</b> |
| <b>18H(6-24)</b>     | <b>4051</b>    | <b>31</b>    | <b>0.8</b>    | <b>3608</b> | <b>89.1</b> | <b>345</b> | <b>8.5</b> | <b>62</b> | <b>1.5</b> | <b>5</b> | <b>0.1</b> |
| <b>24H(0-24)</b>     | <b>4119</b>    | <b>31</b>    | <b>0.8</b>    | <b>3667</b> | <b>89.0</b> | <b>353</b> | <b>8.6</b> | <b>63</b> | <b>1.5</b> | <b>5</b> | <b>0.1</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %      | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|------------|-----------|------------|----------|------------|
| <b>14 March 2020</b> |                |              |               |             |             |            |            |           |            |          |            |
| 00:00                | 13             | 0            | 0.0           | 12          | 92.3        | 1          | 7.7        | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 5              | 0            | 0.0           | 5           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 2              | 0            | 0.0           | 2           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 1              | 0            | 0.0           | 1           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 9              | 0            | 0.0           | 8           | 88.9        | 0          | 0.0        | 1         | 11.1       | 0        | 0.0        |
| 05:00                | 16             | 0            | 0.0           | 13          | 81.3        | 3          | 18.8       | 0         | 0.0        | 0        | 0.0        |
| 06:00                | 30             | 3            | 10.0          | 21          | 70.0        | 5          | 16.7       | 1         | 3.3        | 0        | 0.0        |
| 07:00                | 73             | 1            | 1.4           | 59          | 80.8        | 12         | 16.4       | 1         | 1.4        | 0        | 0.0        |
| 08:00                | 140            | 1            | 0.7           | 121         | 86.4        | 18         | 12.9       | 0         | 0.0        | 0        | 0.0        |
| 09:00                | 203            | 2            | 1.0           | 192         | 94.6        | 8          | 3.9        | 1         | 0.5        | 0        | 0.0        |
| 10:00                | 191            | 3            | 1.6           | 170         | 89.0        | 15         | 7.9        | 2         | 1.1        | 1        | 0.5        |
| <b>11:00</b>         | <b>219</b>     | <b>2</b>     | <b>0.9</b>    | <b>198</b>  | <b>90.4</b> | <b>18</b>  | <b>8.2</b> | <b>1</b>  | <b>0.5</b> | <b>0</b> | <b>0.0</b> |
| 12:00                | 207            | 0            | 0.0           | 198         | 95.7        | 9          | 4.4        | 0         | 0.0        | 0        | 0.0        |
| <b>13:00</b>         | <b>228</b>     | <b>5</b>     | <b>2.2</b>    | <b>215</b>  | <b>94.3</b> | <b>7</b>   | <b>3.1</b> | <b>1</b>  | <b>0.4</b> | <b>0</b> | <b>0.0</b> |
| 14:00                | 211            | 4            | 1.9           | 196         | 92.9        | 11         | 5.2        | 0         | 0.0        | 0        | 0.0        |
| 15:00                | 166            | 1            | 0.6           | 153         | 92.2        | 10         | 6.0        | 2         | 1.2        | 0        | 0.0        |
| 16:00                | 198            | 3            | 1.5           | 188         | 95.0        | 6          | 3.0        | 1         | 0.5        | 0        | 0.0        |
| 17:00                | 179            | 3            | 1.7           | 168         | 93.9        | 7          | 3.9        | 1         | 0.6        | 0        | 0.0        |
| 18:00                | 137            | 0            | 0.0           | 131         | 95.6        | 6          | 4.4        | 0         | 0.0        | 0        | 0.0        |
| 19:00                | 91             | 0            | 0.0           | 84          | 92.3        | 6          | 6.6        | 1         | 1.1        | 0        | 0.0        |
| 20:00                | 45             | 0            | 0.0           | 42          | 93.3        | 3          | 6.7        | 0         | 0.0        | 0        | 0.0        |
| 21:00                | 41             | 1            | 2.4           | 40          | 97.6        | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 31             | 1            | 3.2           | 28          | 90.3        | 2          | 6.5        | 0         | 0.0        | 0        | 0.0        |
| 23:00                | 16             | 0            | 0.0           | 13          | 81.3        | 3          | 18.8       | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2152</b>    | <b>25</b>    | <b>1.2</b>    | <b>1989</b> | <b>92.4</b> | <b>127</b> | <b>5.9</b> | <b>10</b> | <b>0.5</b> | <b>1</b> | <b>0.1</b> |
| <b>16H(6-22)</b>     | <b>2359</b>    | <b>29</b>    | <b>1.2</b>    | <b>2176</b> | <b>92.2</b> | <b>141</b> | <b>6.0</b> | <b>12</b> | <b>0.5</b> | <b>1</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>2406</b>    | <b>30</b>    | <b>1.3</b>    | <b>2217</b> | <b>92.1</b> | <b>146</b> | <b>6.1</b> | <b>12</b> | <b>0.5</b> | <b>1</b> | <b>0.0</b> |
| <b>24H(0-24)</b>     | <b>2452</b>    | <b>30</b>    | <b>1.2</b>    | <b>2258</b> | <b>92.1</b> | <b>150</b> | <b>6.1</b> | <b>13</b> | <b>0.5</b> | <b>1</b> | <b>0.0</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV       | LGV %      | HGV      | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|-----------|------------|----------|------------|----------|------------|
| <b>15 March 2020</b> |                |              |               |             |             |           |            |          |            |          |            |
| 00:00                | 9              | 0            | 0.0           | 9           | 100.0       | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 01:00                | 8              | 0            | 0.0           | 7           | 87.5        | 1         | 12.5       | 0        | 0.0        | 0        | 0.0        |
| 02:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 03:00                | 5              | 0            | 0.0           | 4           | 80.0        | 1         | 20.0       | 0        | 0.0        | 0        | 0.0        |
| 04:00                | 1              | 0            | 0.0           | 1           | 100.0       | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 05:00                | 9              | 0            | 0.0           | 9           | 100.0       | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 06:00                | 16             | 0            | 0.0           | 14          | 87.5        | 2         | 12.5       | 0        | 0.0        | 0        | 0.0        |
| 07:00                | 35             | 0            | 0.0           | 31          | 88.6        | 4         | 11.4       | 0        | 0.0        | 0        | 0.0        |
| 08:00                | 56             | 0            | 0.0           | 52          | 92.9        | 4         | 7.1        | 0        | 0.0        | 0        | 0.0        |
| 09:00                | 128            | 2            | 1.6           | 116         | 90.6        | 9         | 7.0        | 1        | 0.8        | 0        | 0.0        |
| 10:00                | 141            | 0            | 0.0           | 138         | 97.9        | 3         | 2.1        | 0        | 0.0        | 0        | 0.0        |
| <b>11:00</b>         | <b>172</b>     | <b>2</b>     | <b>1.2</b>    | <b>161</b>  | <b>93.6</b> | <b>9</b>  | <b>5.2</b> | <b>0</b> | <b>0.0</b> | <b>0</b> | <b>0.0</b> |
| <b>12:00</b>         | <b>187</b>     | <b>1</b>     | <b>0.5</b>    | <b>171</b>  | <b>91.4</b> | <b>14</b> | <b>7.5</b> | <b>1</b> | <b>0.5</b> | <b>0</b> | <b>0.0</b> |
| 13:00                | 162            | 0            | 0.0           | 156         | 96.3        | 6         | 3.7        | 0        | 0.0        | 0        | 0.0        |
| 14:00                | 159            | 5            | 3.1           | 144         | 90.6        | 9         | 5.7        | 1        | 0.6        | 0        | 0.0        |
| 15:00                | 177            | 1            | 0.6           | 163         | 92.1        | 13        | 7.3        | 0        | 0.0        | 0        | 0.0        |
| 16:00                | 127            | 3            | 2.4           | 120         | 94.5        | 4         | 3.2        | 0        | 0.0        | 0        | 0.0        |
| 17:00                | 117            | 2            | 1.7           | 112         | 95.7        | 2         | 1.7        | 1        | 0.9        | 0        | 0.0        |
| 18:00                | 83             | 0            | 0.0           | 80          | 96.4        | 3         | 3.6        | 0        | 0.0        | 0        | 0.0        |
| 19:00                | 79             | 1            | 1.3           | 73          | 92.4        | 3         | 3.8        | 2        | 2.5        | 0        | 0.0        |
| 20:00                | 49             | 0            | 0.0           | 47          | 95.9        | 1         | 2.0        | 1        | 2.0        | 0        | 0.0        |
| 21:00                | 30             | 0            | 0.0           | 28          | 93.3        | 2         | 6.7        | 0        | 0.0        | 0        | 0.0        |
| 22:00                | 19             | 0            | 0.0           | 19          | 100.0       | 0         | 0.0        | 0        | 0.0        | 0        | 0.0        |
| 23:00                | 13             | 0            | 0.0           | 11          | 84.6        | 1         | 7.7        | 1        | 7.7        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1544</b>    | <b>16</b>    | <b>1.0</b>    | <b>1444</b> | <b>93.5</b> | <b>80</b> | <b>5.2</b> | <b>4</b> | <b>0.3</b> | <b>0</b> | <b>0.0</b> |
| <b>16H(6-22)</b>     | <b>1718</b>    | <b>17</b>    | <b>1.0</b>    | <b>1606</b> | <b>93.5</b> | <b>88</b> | <b>5.1</b> | <b>7</b> | <b>0.4</b> | <b>0</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>1750</b>    | <b>17</b>    | <b>1.0</b>    | <b>1636</b> | <b>93.5</b> | <b>89</b> | <b>5.1</b> | <b>8</b> | <b>0.5</b> | <b>0</b> | <b>0.0</b> |
| <b>24H(0-24)</b>     | <b>1785</b>    | <b>17</b>    | <b>1.0</b>    | <b>1669</b> | <b>93.5</b> | <b>91</b> | <b>5.1</b> | <b>8</b> | <b>0.5</b> | <b>0</b> | <b>0.0</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS       | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|-----------|------------|
| <b>16 March 2020</b> |                |              |               |             |             |            |             |           |            |           |            |
| 00:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0         | 0.0        |
| 01:00                | 3              | 0            | 0.0           | 2           | 66.7        | 1          | 33.3        | 0         | 0.0        | 0         | 0.0        |
| 02:00                | 3              | 0            | 0.0           | 2           | 66.7        | 1          | 33.3        | 0         | 0.0        | 0         | 0.0        |
| 03:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0         | 0.0        |
| 04:00                | 18             | 0            | 0.0           | 16          | 88.9        | 2          | 11.1        | 0         | 0.0        | 0         | 0.0        |
| 05:00                | 52             | 0            | 0.0           | 47          | 90.4        | 5          | 9.6         | 0         | 0.0        | 0         | 0.0        |
| 06:00                | 160            | 0            | 0.0           | 138         | 86.3        | 20         | 12.5        | 2         | 1.3        | 0         | 0.0        |
| 07:00                | 307            | 6            | 2.0           | 268         | 87.3        | 29         | 9.5         | 4         | 1.3        | 0         | 0.0        |
| <b>08:00</b>         | <b>313</b>     | <b>0</b>     | <b>0.0</b>    | <b>274</b>  | <b>87.5</b> | <b>35</b>  | <b>11.2</b> | <b>2</b>  | <b>0.6</b> | <b>2</b>  | <b>0.6</b> |
| 09:00                | 259            | 2            | 0.8           | 217         | 83.8        | 34         | 13.1        | 6         | 2.3        | 0         | 0.0        |
| 10:00                | 232            | 3            | 1.3           | 184         | 79.3        | 35         | 15.1        | 9         | 3.9        | 1         | 0.4        |
| 11:00                | 270            | 1            | 0.4           | 235         | 87.0        | 23         | 8.5         | 9         | 3.3        | 2         | 0.7        |
| 12:00                | 281            | 3            | 1.1           | 239         | 85.1        | 32         | 11.4        | 7         | 2.5        | 0         | 0.0        |
| 13:00                | 268            | 6            | 2.2           | 233         | 86.9        | 23         | 8.6         | 5         | 1.9        | 1         | 0.4        |
| 14:00                | 285            | 4            | 1.4           | 248         | 87.0        | 28         | 9.8         | 4         | 1.4        | 1         | 0.4        |
| 15:00                | 316            | 5            | 1.6           | 275         | 87.0        | 30         | 9.5         | 3         | 1.0        | 3         | 1.0        |
| <b>16:00</b>         | <b>331</b>     | <b>3</b>     | <b>0.9</b>    | <b>299</b>  | <b>90.3</b> | <b>27</b>  | <b>8.2</b>  | <b>2</b>  | <b>0.6</b> | <b>0</b>  | <b>0.0</b> |
| 17:00                | 278            | 1            | 0.4           | 251         | 90.3        | 24         | 8.6         | 2         | 0.7        | 0         | 0.0        |
| 18:00                | 161            | 2            | 1.2           | 148         | 91.9        | 10         | 6.2         | 1         | 0.6        | 0         | 0.0        |
| 19:00                | 104            | 2            | 1.9           | 96          | 92.3        | 5          | 4.8         | 1         | 1.0        | 0         | 0.0        |
| 20:00                | 56             | 0            | 0.0           | 53          | 94.6        | 3          | 5.4         | 0         | 0.0        | 0         | 0.0        |
| 21:00                | 49             | 0            | 0.0           | 47          | 95.9        | 2          | 4.1         | 0         | 0.0        | 0         | 0.0        |
| 22:00                | 26             | 0            | 0.0           | 25          | 96.2        | 1          | 3.9         | 0         | 0.0        | 0         | 0.0        |
| 23:00                | 9              | 0            | 0.0           | 8           | 88.9        | 1          | 11.1        | 0         | 0.0        | 0         | 0.0        |
| <b>12H(7-19)</b>     | <b>3301</b>    | <b>36</b>    | <b>1.1</b>    | <b>2871</b> | <b>87.0</b> | <b>330</b> | <b>10.0</b> | <b>54</b> | <b>1.6</b> | <b>10</b> | <b>0.3</b> |
| <b>16H(6-22)</b>     | <b>3670</b>    | <b>38</b>    | <b>1.0</b>    | <b>3205</b> | <b>87.3</b> | <b>360</b> | <b>9.8</b>  | <b>57</b> | <b>1.6</b> | <b>10</b> | <b>0.3</b> |
| <b>18H(6-24)</b>     | <b>3705</b>    | <b>38</b>    | <b>1.0</b>    | <b>3238</b> | <b>87.4</b> | <b>362</b> | <b>9.8</b>  | <b>57</b> | <b>1.5</b> | <b>10</b> | <b>0.3</b> |
| <b>24H(0-24)</b>     | <b>3787</b>    | <b>38</b>    | <b>1.0</b>    | <b>3311</b> | <b>87.4</b> | <b>371</b> | <b>9.8</b>  | <b>57</b> | <b>1.5</b> | <b>10</b> | <b>0.3</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|----------|------------|
| <b>17 March 2020</b> |                |              |               |             |             |            |             |           |            |          |            |
| 00:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 1              | 0            | 0.0           | 1           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 2              | 0            | 0.0           | 1           | 50.0        | 1          | 50.0        | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 0              | 0            | 0.0           | 0           | 0.0         | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 15             | 0            | 0.0           | 14          | 93.3        | 1          | 6.7         | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 42             | 0            | 0.0           | 39          | 92.9        | 3          | 7.1         | 0         | 0.0        | 0        | 0.0        |
| 06:00                | 152            | 0            | 0.0           | 133         | 87.5        | 16         | 10.5        | 2         | 1.3        | 1        | 0.7        |
| <b>07:00</b>         | <b>296</b>     | 7            | 2.4           | 258         | 87.2        | 29         | 9.8         | 2         | 0.7        | 0        | 0.0        |
| 08:00                | 287            | 1            | 0.4           | 250         | 87.1        | 31         | 10.8        | 5         | 1.7        | 0        | 0.0        |
| 09:00                | 246            | 4            | 1.6           | 202         | 82.1        | 32         | 13.0        | 7         | 2.9        | 1        | 0.4        |
| 10:00                | 223            | 2            | 0.9           | 183         | 82.1        | 32         | 14.4        | 6         | 2.7        | 0        | 0.0        |
| 11:00                | 265            | 2            | 0.8           | 213         | 80.4        | 36         | 13.6        | 12        | 4.5        | 2        | 0.8        |
| 12:00                | 259            | 3            | 1.2           | 214         | 82.6        | 33         | 12.7        | 9         | 3.5        | 0        | 0.0        |
| 13:00                | 221            | 0            | 0.0           | 188         | 85.1        | 28         | 12.7        | 5         | 2.3        | 0        | 0.0        |
| 14:00                | 219            | 3            | 1.4           | 181         | 82.7        | 26         | 11.9        | 8         | 3.7        | 1        | 0.5        |
| 15:00                | 260            | 4            | 1.5           | 225         | 86.5        | 30         | 11.5        | 0         | 0.0        | 1        | 0.4        |
| <b>16:00</b>         | <b>299</b>     | 2            | 0.7           | 270         | 90.3        | 26         | 8.7         | 1         | 0.3        | 0        | 0.0        |
| 17:00                | 260            | 1            | 0.4           | 235         | 90.4        | 24         | 9.2         | 0         | 0.0        | 0        | 0.0        |
| 18:00                | 165            | 0            | 0.0           | 157         | 95.2        | 7          | 4.2         | 0         | 0.0        | 1        | 0.6        |
| 19:00                | 69             | 0            | 0.0           | 68          | 98.6        | 0          | 0.0         | 1         | 1.5        | 0        | 0.0        |
| 20:00                | 59             | 0            | 0.0           | 56          | 94.9        | 3          | 5.1         | 0         | 0.0        | 0        | 0.0        |
| 21:00                | 31             | 0            | 0.0           | 29          | 93.6        | 2          | 6.5         | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 18             | 0            | 0.0           | 17          | 94.4        | 1          | 5.6         | 0         | 0.0        | 0        | 0.0        |
| 23:00                | 5              | 0            | 0.0           | 5           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>3000</b>    | <b>29</b>    | <b>1.0</b>    | <b>2576</b> | <b>85.9</b> | <b>334</b> | <b>11.1</b> | <b>55</b> | <b>1.8</b> | <b>6</b> | <b>0.2</b> |
| <b>16H(6-22)</b>     | <b>3311</b>    | <b>29</b>    | <b>0.9</b>    | <b>2862</b> | <b>86.4</b> | <b>355</b> | <b>10.7</b> | <b>58</b> | <b>1.8</b> | <b>7</b> | <b>0.2</b> |
| <b>18H(6-24)</b>     | <b>3334</b>    | <b>29</b>    | <b>0.9</b>    | <b>2884</b> | <b>86.5</b> | <b>356</b> | <b>10.7</b> | <b>58</b> | <b>1.7</b> | <b>7</b> | <b>0.2</b> |
| <b>24H(0-24)</b>     | <b>3397</b>    | <b>29</b>    | <b>0.9</b>    | <b>2942</b> | <b>86.6</b> | <b>361</b> | <b>10.6</b> | <b>58</b> | <b>1.7</b> | <b>7</b> | <b>0.2</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|----------|------------|
| <b>18 March 2020</b> |                |              |               |             |             |            |             |           |            |          |            |
| 00:00                | 5              | 0            | 0.0           | 5           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 1              | 0            | 0.0           | 1           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 2              | 0            | 0.0           | 0           | 0.0         | 2          | 100.0       | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 3              | 0            | 0.0           | 2           | 66.7        | 1          | 33.3        | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 11             | 0            | 0.0           | 11          | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 45             | 1            | 2.2           | 39          | 86.7        | 5          | 11.1        | 0         | 0.0        | 0        | 0.0        |
| 06:00                | 123            | 2            | 1.6           | 100         | 81.3        | 19         | 15.5        | 2         | 1.6        | 0        | 0.0        |
| 07:00                | 259            | 4            | 1.5           | 221         | 85.3        | 32         | 12.4        | 2         | 0.8        | 0        | 0.0        |
| <b>08:00</b>         | <b>273</b>     | <b>1</b>     | <b>0.4</b>    | <b>236</b>  | <b>86.5</b> | <b>33</b>  | <b>12.1</b> | <b>1</b>  | <b>0.4</b> | <b>2</b> | <b>0.7</b> |
| 09:00                | 209            | 1            | 0.5           | 173         | 82.8        | 30         | 14.4        | 5         | 2.4        | 0        | 0.0        |
| 10:00                | 179            | 4            | 2.2           | 146         | 81.6        | 24         | 13.4        | 4         | 2.2        | 1        | 0.6        |
| 11:00                | 183            | 1            | 0.6           | 150         | 82.0        | 27         | 14.8        | 5         | 2.7        | 0        | 0.0        |
| 12:00                | 198            | 1            | 0.5           | 172         | 86.9        | 22         | 11.1        | 2         | 1.0        | 1        | 0.5        |
| 13:00                | 186            | 4            | 2.2           | 150         | 80.7        | 22         | 11.8        | 8         | 4.3        | 2        | 1.1        |
| 14:00                | 166            | 0            | 0.0           | 137         | 82.5        | 27         | 16.3        | 2         | 1.2        | 0        | 0.0        |
| 15:00                | 220            | 2            | 0.9           | 196         | 89.1        | 20         | 9.1         | 1         | 0.5        | 1        | 0.5        |
| <b>16:00</b>         | <b>249</b>     | <b>0</b>     | <b>0.0</b>    | <b>220</b>  | <b>88.4</b> | <b>26</b>  | <b>10.4</b> | <b>2</b>  | <b>0.8</b> | <b>1</b> | <b>0.4</b> |
| 17:00                | 224            | 0            | 0.0           | 208         | 92.9        | 14         | 6.3         | 2         | 0.9        | 0        | 0.0        |
| 18:00                | 124            | 1            | 0.8           | 110         | 88.7        | 12         | 9.7         | 1         | 0.8        | 0        | 0.0        |
| 19:00                | 78             | 0            | 0.0           | 69          | 88.5        | 9          | 11.5        | 0         | 0.0        | 0        | 0.0        |
| 20:00                | 42             | 0            | 0.0           | 41          | 97.6        | 1          | 2.4         | 0         | 0.0        | 0        | 0.0        |
| 21:00                | 34             | 1            | 2.9           | 31          | 91.2        | 2          | 5.9         | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 22             | 0            | 0.0           | 20          | 90.9        | 2          | 9.1         | 0         | 0.0        | 0        | 0.0        |
| 23:00                | 7              | 0            | 0.0           | 7           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2470</b>    | <b>19</b>    | <b>0.8</b>    | <b>2119</b> | <b>85.8</b> | <b>289</b> | <b>11.7</b> | <b>35</b> | <b>1.4</b> | <b>8</b> | <b>0.3</b> |
| <b>16H(6-22)</b>     | <b>2747</b>    | <b>22</b>    | <b>0.8</b>    | <b>2360</b> | <b>85.9</b> | <b>320</b> | <b>11.7</b> | <b>37</b> | <b>1.4</b> | <b>8</b> | <b>0.3</b> |
| <b>18H(6-24)</b>     | <b>2776</b>    | <b>22</b>    | <b>0.8</b>    | <b>2387</b> | <b>86.0</b> | <b>322</b> | <b>11.6</b> | <b>37</b> | <b>1.3</b> | <b>8</b> | <b>0.3</b> |
| <b>24H(0-24)</b>     | <b>2843</b>    | <b>23</b>    | <b>0.8</b>    | <b>2445</b> | <b>86.0</b> | <b>330</b> | <b>11.6</b> | <b>37</b> | <b>1.3</b> | <b>8</b> | <b>0.3</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|----------|------------|
| <b>19 March 2020</b> |                |              |               |             |             |            |             |           |            |          |            |
| 00:00                | <b>2</b>       | 0            | 0.0           | 2           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 01:00                | <b>2</b>       | 0            | 0.0           | 2           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 02:00                | <b>2</b>       | 0            | 0.0           | 2           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 03:00                | <b>1</b>       | 0            | 0.0           | 1           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 04:00                | <b>16</b>      | 0            | 0.0           | 14          | 87.5        | 2          | 12.5        | 0         | 0.0        | 0        | 0.0        |
| 05:00                | <b>36</b>      | 2            | 5.6           | 33          | 91.7        | 1          | 2.8         | 0         | 0.0        | 0        | 0.0        |
| 06:00                | <b>128</b>     | 1            | 0.8           | 98          | 76.6        | 25         | 19.5        | 3         | 2.3        | 1        | 0.8        |
| <b>07:00</b>         | <b>265</b>     | 4            | 1.5           | 229         | 86.4        | 29         | 10.9        | 3         | 1.1        | 0        | 0.0        |
| 08:00                | <b>233</b>     | 1            | 0.4           | 193         | 82.8        | 34         | 14.6        | 5         | 2.2        | 0        | 0.0        |
| 09:00                | <b>171</b>     | 1            | 0.6           | 146         | 85.4        | 19         | 11.1        | 4         | 2.3        | 1        | 0.6        |
| 10:00                | <b>158</b>     | 1            | 0.6           | 136         | 86.1        | 17         | 10.8        | 4         | 2.5        | 0        | 0.0        |
| 11:00                | <b>147</b>     | 1            | 0.7           | 123         | 83.7        | 18         | 12.2        | 5         | 3.4        | 0        | 0.0        |
| 12:00                | <b>179</b>     | 0            | 0.0           | 147         | 82.1        | 25         | 14.0        | 6         | 3.4        | 1        | 0.6        |
| 13:00                | <b>142</b>     | 1            | 0.7           | 118         | 83.1        | 19         | 13.4        | 4         | 2.8        | 0        | 0.0        |
| 14:00                | <b>193</b>     | 1            | 0.5           | 162         | 83.9        | 22         | 11.4        | 7         | 3.6        | 1        | 0.5        |
| 15:00                | <b>202</b>     | 1            | 0.5           | 174         | 86.1        | 22         | 10.9        | 4         | 2.0        | 1        | 0.5        |
| 16:00                | <b>217</b>     | 0            | 0.0           | 200         | 92.2        | 15         | 6.9         | 2         | 0.9        | 0        | 0.0        |
| <b>17:00</b>         | <b>257</b>     | 1            | 0.4           | 241         | 93.8        | 15         | 5.8         | 0         | 0.0        | 0        | 0.0        |
| 18:00                | <b>109</b>     | 1            | 0.9           | 102         | 93.6        | 6          | 5.5         | 0         | 0.0        | 0        | 0.0        |
| 19:00                | <b>64</b>      | 0            | 0.0           | 63          | 98.4        | 1          | 1.6         | 0         | 0.0        | 0        | 0.0        |
| 20:00                | <b>49</b>      | 0            | 0.0           | 45          | 91.8        | 4          | 8.2         | 0         | 0.0        | 0        | 0.0        |
| 21:00                | <b>39</b>      | 0            | 0.0           | 36          | 92.3        | 3          | 7.7         | 0         | 0.0        | 0        | 0.0        |
| 22:00                | <b>17</b>      | 0            | 0.0           | 15          | 88.2        | 2          | 11.8        | 0         | 0.0        | 0        | 0.0        |
| 23:00                | <b>8</b>       | 0            | 0.0           | 5           | 62.5        | 2          | 25.0        | 0         | 0.0        | 1        | 12.5       |
| <b>12H(7-19)</b>     | <b>2273</b>    | <b>13</b>    | <b>0.6</b>    | <b>1971</b> | <b>86.7</b> | <b>241</b> | <b>10.6</b> | <b>44</b> | <b>1.9</b> | <b>4</b> | <b>0.2</b> |
| <b>16H(6-22)</b>     | <b>2553</b>    | <b>14</b>    | <b>0.6</b>    | <b>2213</b> | <b>86.7</b> | <b>274</b> | <b>10.7</b> | <b>47</b> | <b>1.8</b> | <b>5</b> | <b>0.2</b> |
| <b>18H(6-24)</b>     | <b>2578</b>    | <b>14</b>    | <b>0.5</b>    | <b>2233</b> | <b>86.6</b> | <b>278</b> | <b>10.8</b> | <b>47</b> | <b>1.8</b> | <b>6</b> | <b>0.2</b> |
| <b>24H(0-24)</b>     | <b>2637</b>    | <b>16</b>    | <b>0.6</b>    | <b>2287</b> | <b>86.7</b> | <b>281</b> | <b>10.7</b> | <b>47</b> | <b>1.8</b> | <b>6</b> | <b>0.2</b> |

25064

NORTON

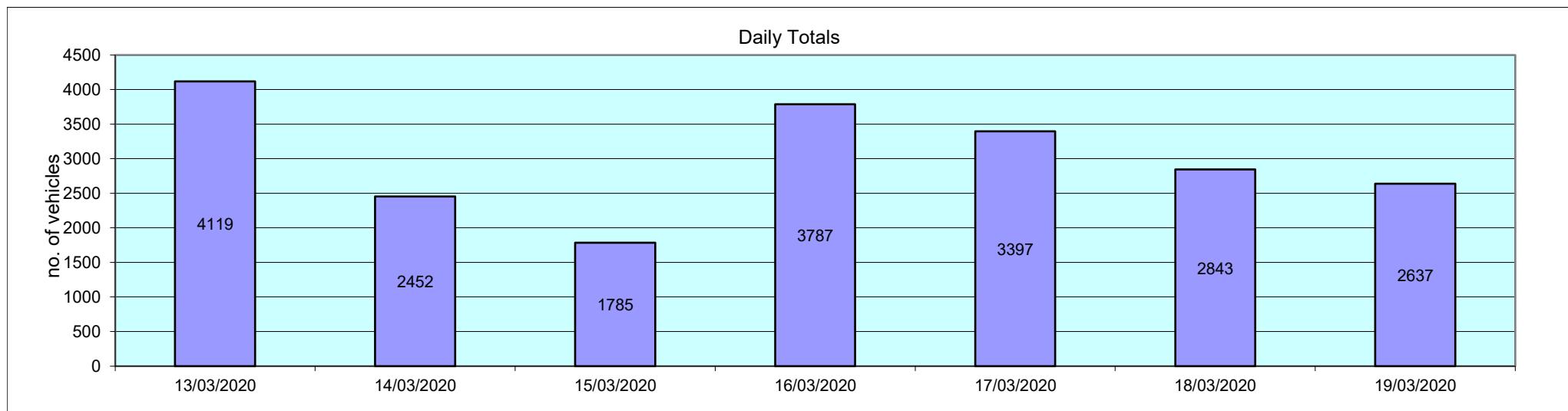
Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD           | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS  | CARS % | LGV  | LGV % | HGV | HGV % | BUS | BUS % |
|-----------------------|----------------|--------------|---------------|-------|--------|------|-------|-----|-------|-----|-------|
| <b>Daily Totals</b>   |                |              |               |       |        |      |       |     |       |     |       |
| 13/3/20               | <b>4119</b>    | 31           | 0.8           | 3667  | 89.0   | 353  | 8.6   | 63  | 1.5   | 5   | 0.1   |
| 14/3/20               | <b>2452</b>    | 30           | 1.2           | 2258  | 92.1   | 150  | 6.1   | 13  | 0.5   | 1   | 0.0   |
| 15/3/20               | <b>1785</b>    | 17           | 1.0           | 1669  | 93.5   | 91   | 5.1   | 8   | 0.5   | 0   | 0.0   |
| 16/3/20               | <b>3787</b>    | 38           | 1.0           | 3311  | 87.4   | 371  | 9.8   | 57  | 1.5   | 10  | 0.3   |
| 17/3/20               | <b>3397</b>    | 29           | 0.9           | 2942  | 86.6   | 361  | 10.6  | 58  | 1.7   | 7   | 0.2   |
| 18/3/20               | <b>2843</b>    | 23           | 0.8           | 2445  | 86.0   | 330  | 11.6  | 37  | 1.3   | 8   | 0.3   |
| 19/3/20               | <b>2637</b>    | 16           | 0.6           | 2287  | 86.7   | 281  | 10.7  | 47  | 1.8   | 6   | 0.2   |
| <b>Total Vehicles</b> |                |              |               |       |        |      |       |     |       |     |       |
| [--]                  | <b>21020</b>   | 184          | 0.9           | 18579 | 88.8   | 1937 | 8.9   | 283 | 1.3   | 37  | 0.2   |



25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46      | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|-------------|------------|------------|-----------|-----------|----------|----------|
| <b>13 March 2020</b> |                |              |            |            |          |           |            |            |             |             |            |            |           |           |          |          |
| 00:00                | 3              | 0            | 45         | 2          | 0        | 0         | 0          | 0          | 0           | 2           | 1          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0           | 0           | 0          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 3              | 0            | 57         | 2          | 0        | 0         | 0          | 0          | 0           | 0           | 0          | 1          | 2         | 0         | 0        | 0        |
| 03:00                | 6              | 0            | 49         | 8          | 0        | 0         | 0          | 0          | 1           | 2           | 0          | 1          | 2         | 0         | 0        | 0        |
| 04:00                | 11             | 54           | 48         | 7          | 0        | 0         | 0          | 0          | 2           | 3           | 2          | 3          | 0         | 1         | 0        | 0        |
| 05:00                | 45             | 54           | 46         | 7          | 0        | 0         | 0          | 4          | 9           | 13          | 8          | 6          | 4         | 1         | 0        | 0        |
| 06:00                | 153            | 54           | 46         | 8          | 0        | 0         | 2          | 8          | 28          | 38          | 40         | 23         | 9         | 3         | 1        | 1        |
| 07:00                | 278            | 49           | 42         | 7          | 0        | 1         | 8          | 18         | 94          | 88          | 43         | 19         | 5         | 1         | 0        | 1        |
| <b>08:00</b>         | <b>313</b>     | <b>46</b>    | <b>40</b>  | <b>5</b>   | <b>0</b> | <b>0</b>  | <b>6</b>   | <b>41</b>  | <b>137</b>  | <b>87</b>   | <b>35</b>  | <b>5</b>   | <b>2</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 260            | 45           | 40         | 6          | 0        | 1         | 10         | 43         | 116         | 66          | 13         | 8          | 3         | 0         | 0        | 0        |
| 10:00                | 285            | 45           | 39         | 6          | 0        | 0         | 9          | 57         | 124         | 67          | 21         | 4          | 2         | 1         | 0        | 0        |
| 11:00                | 283            | 43           | 38         | 5          | 0        | 0         | 23         | 64         | 128         | 54          | 12         | 1          | 1         | 0         | 0        | 0        |
| 12:00                | 330            | 45           | 40         | 5          | 0        | 0         | 8          | 71         | 135         | 81          | 26         | 8          | 1         | 0         | 0        | 0        |
| 13:00                | 310            | 46           | 40         | 6          | 0        | 4         | 5          | 56         | 122         | 81          | 36         | 4          | 1         | 1         | 0        | 0        |
| 14:00                | 338            | 45           | 40         | 6          | 0        | 0         | 13         | 62         | 150         | 73          | 27         | 10         | 0         | 1         | 1        | 1        |
| <b>15:00</b>         | <b>428</b>     | <b>45</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>2</b>  | <b>14</b>  | <b>78</b>  | <b>186</b>  | <b>97</b>   | <b>40</b>  | <b>8</b>   | <b>2</b>  | <b>1</b>  | <b>0</b> | <b>0</b> |
| 16:00                | 322            | 46           | 40         | 6          | 0        | 1         | 5          | 47         | 146         | 82          | 29         | 7          | 5         | 0         | 0        | 0        |
| 17:00                | 283            | 46           | 41         | 6          | 0        | 1         | 6          | 39         | 111         | 88          | 29         | 6          | 2         | 0         | 1        | 0        |
| 18:00                | 183            | 46           | 41         | 6          | 0        | 1         | 3          | 20         | 83          | 53          | 14         | 6          | 1         | 2         | 0        | 0        |
| 19:00                | 103            | 49           | 42         | 6          | 0        | 0         | 0          | 18         | 30          | 26          | 20         | 8          | 1         | 0         | 0        | 0        |
| 20:00                | 73             | 47           | 42         | 6          | 0        | 0         | 0          | 9          | 26          | 26          | 5          | 5          | 1         | 1         | 0        | 0        |
| 21:00                | 55             | 50           | 41         | 10         | 0        | 1         | 5          | 9          | 17          | 11          | 4          | 3          | 2         | 2         | 0        | 1        |
| 22:00                | 41             | 49           | 42         | 7          | 0        | 0         | 1          | 7          | 10          | 11          | 8          | 2          | 1         | 1         | 0        | 0        |
| 23:00                | 13             | 44           | 40         | 6          | 0        | 0         | 0          | 3          | 7           | 1           | 1          | 1          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3613</b>    | <b>45</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>11</b> | <b>110</b> | <b>596</b> | <b>1532</b> | <b>917</b>  | <b>325</b> | <b>86</b>  | <b>25</b> | <b>7</b>  | <b>2</b> | <b>2</b> |
| <b>16H(6-22)</b>     | <b>3997</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>12</b> | <b>117</b> | <b>640</b> | <b>1633</b> | <b>1018</b> | <b>394</b> | <b>125</b> | <b>38</b> | <b>13</b> | <b>3</b> | <b>4</b> |
| <b>18H(6-24)</b>     | <b>4051</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>12</b> | <b>118</b> | <b>650</b> | <b>1650</b> | <b>1030</b> | <b>403</b> | <b>128</b> | <b>39</b> | <b>14</b> | <b>3</b> | <b>4</b> |
| <b>24H(0-24)</b>     | <b>4119</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>12</b> | <b>118</b> | <b>654</b> | <b>1662</b> | <b>1050</b> | <b>414</b> | <b>139</b> | <b>47</b> | <b>16</b> | <b>3</b> | <b>4</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>14 March 2020</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 00:00                | 13             | 50           | 46         | 4          | 0      | 0      | 0      | 0      | 2      | 4      | 6      | 1      | 0      | 0      | 0      | 0    |
| 01:00                | 5              | 0            | 46         | 2          | 0      | 0      | 0      | 0      | 0      | 2      | 3      | 0      | 0      | 0      | 0      | 0    |
| 02:00                | 2              | 0            | 56         | 2          | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1      | 1      | 0      | 0      | 0    |
| 03:00                | 1              | 0            | 38         | 0          | 0      | 0      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0      | 0    |
| 04:00                | 9              | 0            | 48         | 9          | 0      | 0      | 0      | 0      | 2      | 3      | 2      | 0      | 1      | 0      | 1      | 0    |
| 05:00                | 16             | 54           | 47         | 8          | 0      | 0      | 0      | 0      | 6      | 1      | 4      | 3      | 0      | 2      | 0      | 0    |
| 06:00                | 30             | 57           | 47         | 10         | 0      | 1      | 0      | 2      | 4      | 7      | 5      | 5      | 4      | 2      | 0      | 0    |
| 07:00                | 73             | 50           | 44         | 8          | 0      | 0      | 1      | 6      | 20     | 23     | 13     | 6      | 1      | 1      | 1      | 1    |
| 08:00                | 140            | 47           | 42         | 7          | 0      | 0      | 3      | 17     | 47     | 48     | 15     | 4      | 2      | 2      | 1      | 1    |
| 09:00                | 203            | 45           | 39         | 6          | 0      | 1      | 10     | 35     | 82     | 59     | 9      | 4      | 3      | 0      | 0      | 0    |
| 10:00                | 191            | 45           | 39         | 6          | 0      | 2      | 6      | 43     | 74     | 42     | 18     | 3      | 2      | 1      | 0      | 0    |
| 11:00                | 219            | 46           | 40         | 6          | 0      | 1      | 6      | 35     | 93     | 56     | 21     | 5      | 0      | 2      | 0      | 0    |
| 12:00                | 207            | 45           | 40         | 6          | 0      | 0      | 4      | 41     | 80     | 59     | 13     | 8      | 2      | 0      | 0      | 0    |
| 13:00                | 228            | 47           | 41         | 6          | 0      | 0      | 2      | 36     | 93     | 56     | 28     | 6      | 4      | 2      | 0      | 1    |
| 14:00                | 211            | 45           | 40         | 7          | 0      | 3      | 10     | 34     | 86     | 54     | 14     | 6      | 4      | 0      | 0      | 0    |
| 15:00                | 166            | 46           | 40         | 6          | 0      | 0      | 5      | 27     | 72     | 39     | 18     | 4      | 1      | 0      | 0      | 0    |
| 16:00                | 198            | 45           | 40         | 6          | 0      | 0      | 9      | 24     | 92     | 52     | 15     | 5      | 0      | 1      | 0      | 0    |
| 17:00                | 179            | 46           | 41         | 6          | 0      | 0      | 7      | 29     | 61     | 54     | 22     | 3      | 2      | 0      | 1      | 0    |
| 18:00                | 137            | 46           | 41         | 6          | 0      | 0      | 6      | 17     | 55     | 38     | 12     | 6      | 2      | 1      | 0      | 0    |
| 19:00                | 91             | 50           | 42         | 7          | 0      | 0      | 1      | 21     | 23     | 24     | 10     | 6      | 6      | 0      | 0      | 0    |
| 20:00                | 45             | 46           | 41         | 8          | 0      | 0      | 3      | 3      | 20     | 12     | 3      | 1      | 1      | 1      | 1      | 0    |
| 21:00                | 41             | 50           | 42         | 7          | 0      | 0      | 0      | 6      | 17     | 7      | 5      | 5      | 0      | 1      | 0      | 0    |
| 22:00                | 31             | 56           | 45         | 10         | 0      | 0      | 1      | 3      | 9      | 8      | 3      | 2      | 3      | 0      | 1      | 1    |
| 23:00                | 16             | 52           | 44         | 8          | 0      | 0      | 1      | 2      | 2      | 5      | 2      | 4      | 0      | 0      | 0      | 0    |
| 12H(7-19)            | 2152           | 46           | 40         | 6          | 0      | 7      | 69     | 344    | 855    | 580    | 198    | 60     | 23     | 10     | 3      | 3    |
| 16H(6-22)            | 2359           | 46           | 41         | 6          | 0      | 8      | 73     | 376    | 919    | 630    | 221    | 77     | 34     | 14     | 4      | 3    |
| 18H(6-24)            | 2406           | 46           | 41         | 7          | 0      | 8      | 75     | 381    | 930    | 643    | 226    | 83     | 37     | 14     | 5      | 4    |
| 24H(0-24)            | 2452           | 47           | 41         | 7          | 0      | 8      | 75     | 381    | 941    | 653    | 241    | 88     | 39     | 16     | 6      | 4    |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>15 March 2020</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 00:00                | 9              | 0            | 42         | 9          | 0      | 0      | 0      | 3      | 2      | 2      | 1      | 0      | 0      | 1      | 0      | 0    |
| 01:00                | 8              | 0            | 43         | 10         | 0      | 0      | 1      | 2      | 0      | 1      | 1      | 3      | 0      | 0      | 0      | 0    |
| 02:00                | 3              | 0            | 34         | 7          | 0      | 0      | 1      | 1      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0    |
| 03:00                | 5              | 0            | 50         | 11         | 0      | 0      | 0      | 1      | 0      | 1      | 1      | 0      | 1      | 1      | 0      | 0    |
| 04:00                | 1              | 0            | 38         | 0          | 0      | 0      | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0      | 0    |
| 05:00                | 9              | 0            | 47         | 4          | 0      | 0      | 0      | 0      | 1      | 2      | 5      | 1      | 0      | 0      | 0      | 0    |
| 06:00                | 16             | 54           | 46         | 8          | 0      | 0      | 0      | 1      | 5      | 2      | 3      | 3      | 1      | 1      | 0      | 0    |
| 07:00                | 35             | 51           | 45         | 8          | 0      | 0      | 2      | 2      | 6      | 8      | 11     | 4      | 2      | 0      | 0      | 0    |
| 08:00                | 56             | 50           | 42         | 9          | 0      | 0      | 3      | 8      | 18     | 10     | 9      | 4      | 2      | 1      | 0      | 1    |
| 09:00                | 128            | 50           | 42         | 7          | 0      | 1      | 4      | 16     | 40     | 33     | 20     | 12     | 2      | 0      | 0      | 0    |
| 10:00                | 141            | 47           | 41         | 5          | 0      | 0      | 3      | 25     | 50     | 39     | 22     | 2      | 0      | 0      | 0      | 0    |
| 11:00                | 172            | 45           | 40         | 6          | 0      | 1      | 7      | 26     | 71     | 47     | 17     | 2      | 0      | 0      | 0      | 1    |
| 12:00                | 187            | 45           | 40         | 6          | 0      | 1      | 8      | 26     | 80     | 51     | 16     | 3      | 2      | 0      | 0      | 0    |
| 13:00                | 162            | 46           | 41         | 6          | 0      | 1      | 4      | 21     | 64     | 48     | 14     | 10     | 0      | 0      | 0      | 0    |
| 14:00                | 159            | 44           | 39         | 5          | 0      | 1      | 5      | 30     | 72     | 41     | 7      | 2      | 0      | 1      | 0      | 0    |
| 15:00                | 177            | 45           | 39         | 7          | 0      | 3      | 8      | 44     | 67     | 35     | 14     | 5      | 0      | 1      | 0      | 0    |
| 16:00                | 127            | 48           | 41         | 7          | 0      | 3      | 5      | 7      | 48     | 38     | 18     | 6      | 1      | 1      | 0      | 0    |
| 17:00                | 117            | 47           | 42         | 7          | 0      | 0      | 4      | 12     | 41     | 39     | 11     | 6      | 2      | 1      | 1      | 0    |
| 18:00                | 83             | 48           | 41         | 7          | 0      | 0      | 5      | 13     | 30     | 19     | 9      | 5      | 1      | 0      | 0      | 1    |
| 19:00                | 79             | 48           | 41         | 8          | 0      | 1      | 6      | 10     | 25     | 19     | 12     | 4      | 1      | 1      | 0      | 0    |
| 20:00                | 49             | 49           | 43         | 6          | 0      | 0      | 0      | 6      | 17     | 12     | 9      | 3      | 2      | 0      | 0      | 0    |
| 21:00                | 30             | 45           | 40         | 5          | 0      | 0      | 0      | 6      | 13     | 7      | 2      | 2      | 0      | 0      | 0      | 0    |
| 22:00                | 19             | 45           | 40         | 5          | 0      | 0      | 0      | 3      | 9      | 5      | 1      | 1      | 0      | 0      | 0      | 0    |
| 23:00                | 13             | 59           | 49         | 9          | 0      | 0      | 1      | 0      | 0      | 4      | 4      | 0      | 3      | 1      | 0      | 0    |
| 12H(7-19)            | 1544           | 47           | 40         | 7          | 0      | 11     | 58     | 230    | 587    | 408    | 168    | 61     | 12     | 5      | 1      | 3    |
| 16H(6-22)            | 1718           | 47           | 41         | 7          | 0      | 12     | 64     | 253    | 647    | 448    | 194    | 73     | 16     | 7      | 1      | 3    |
| 18H(6-24)            | 1750           | 47           | 41         | 7          | 0      | 12     | 65     | 256    | 656    | 457    | 199    | 74     | 19     | 8      | 1      | 3    |
| 24H(0-24)            | 1785           | 47           | 41         | 7          | 0      | 12     | 67     | 263    | 660    | 464    | 207    | 78     | 20     | 10     | 1      | 3    |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>16 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |            |           |           |          |          |
| 00:00                | 3              | 0            | 45         | 2          | 0        | 0         | 0          | 0          | 0           | 2          | 1          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 3              | 0            | 50         | 6          | 0        | 0         | 0          | 0          | 0           | 1          | 1          | 0          | 1         | 0         | 0        | 0        |
| 02:00                | 3              | 0            | 47         | 2          | 0        | 0         | 0          | 0          | 0           | 1          | 2          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 3              | 0            | 45         | 6          | 0        | 0         | 0          | 0          | 1           | 1          | 0          | 1          | 0         | 0         | 0        | 0        |
| 04:00                | 18             | 52           | 45         | 6          | 0        | 0         | 0          | 1          | 3           | 9          | 1          | 3          | 1         | 0         | 0        | 0        |
| 05:00                | 52             | 53           | 47         | 6          | 0        | 0         | 1          | 1          | 6           | 16         | 17         | 7          | 4         | 0         | 0        | 0        |
| 06:00                | 160            | 53           | 46         | 7          | 0        | 0         | 1          | 11         | 28          | 50         | 36         | 20         | 10        | 3         | 1        | 0        |
| 07:00                | 307            | 48           | 42         | 6          | 0        | 1         | 10         | 23         | 109         | 101        | 38         | 20         | 4         | 0         | 1        | 0        |
| <b>08:00</b>         | <b>313</b>     | <b>46</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>0</b>  | <b>11</b>  | <b>39</b>  | <b>121</b>  | <b>98</b>  | <b>31</b>  | <b>11</b>  | <b>2</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 259            | 46           | 40         | 7          | 0        | 2         | 20         | 35         | 98          | 71         | 26         | 4          | 1         | 2         | 0        | 0        |
| 10:00                | 232            | 44           | 38         | 6          | 1        | 2         | 17         | 55         | 88          | 50         | 15         | 3          | 1         | 0         | 0        | 0        |
| 11:00                | 270            | 43           | 37         | 6          | 0        | 4         | 19         | 72         | 112         | 47         | 13         | 3          | 0         | 0         | 0        | 0        |
| 12:00                | 281            | 45           | 40         | 6          | 0        | 2         | 9          | 43         | 133         | 70         | 12         | 5          | 4         | 3         | 0        | 0        |
| 13:00                | 268            | 45           | 39         | 6          | 1        | 2         | 11         | 49         | 117         | 65         | 13         | 9          | 1         | 0         | 0        | 0        |
| 14:00                | 285            | 43           | 37         | 6          | 0        | 10        | 13         | 76         | 120         | 53         | 10         | 3          | 0         | 0         | 0        | 0        |
| 15:00                | 316            | 45           | 39         | 6          | 0        | 2         | 19         | 74         | 131         | 52         | 33         | 4          | 1         | 0         | 0        | 0        |
| <b>16:00</b>         | <b>331</b>     | <b>46</b>    | <b>40</b>  | <b>5</b>   | <b>0</b> | <b>1</b>  | <b>4</b>   | <b>50</b>  | <b>143</b>  | <b>92</b>  | <b>32</b>  | <b>7</b>   | <b>2</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 17:00                | 278            | 48           | 41         | 7          | 0        | 3         | 8          | 33         | 108         | 72         | 39         | 7          | 5         | 2         | 1        | 0        |
| 18:00                | 161            | 47           | 41         | 6          | 0        | 0         | 4          | 23         | 56          | 50         | 18         | 7          | 2         | 0         | 1        | 0        |
| 19:00                | 104            | 48           | 40         | 7          | 0        | 0         | 8          | 18         | 34          | 23         | 12         | 5          | 4         | 0         | 0        | 0        |
| 20:00                | 56             | 50           | 43         | 8          | 0        | 0         | 6          | 2          | 14          | 10         | 19         | 3          | 1         | 1         | 0        | 0        |
| 21:00                | 49             | 47           | 41         | 6          | 0        | 0         | 2          | 7          | 15          | 16         | 6          | 3          | 0         | 0         | 0        | 0        |
| 22:00                | 26             | 50           | 44         | 8          | 0        | 0         | 0          | 4          | 6           | 7          | 6          | 0          | 2         | 1         | 0        | 0        |
| 23:00                | 9              | 0            | 44         | 5          | 0        | 0         | 0          | 1          | 2           | 2          | 4          | 0          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3301</b>    | <b>45</b>    | <b>40</b>  | <b>6</b>   | <b>2</b> | <b>29</b> | <b>145</b> | <b>572</b> | <b>1336</b> | <b>821</b> | <b>280</b> | <b>83</b>  | <b>23</b> | <b>7</b>  | <b>3</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>3670</b>    | <b>46</b>    | <b>40</b>  | <b>7</b>   | <b>2</b> | <b>29</b> | <b>162</b> | <b>610</b> | <b>1427</b> | <b>920</b> | <b>353</b> | <b>114</b> | <b>38</b> | <b>11</b> | <b>4</b> | <b>0</b> |
| <b>18H(6-24)</b>     | <b>3705</b>    | <b>46</b>    | <b>40</b>  | <b>7</b>   | <b>2</b> | <b>29</b> | <b>162</b> | <b>615</b> | <b>1435</b> | <b>929</b> | <b>363</b> | <b>114</b> | <b>40</b> | <b>12</b> | <b>4</b> | <b>0</b> |
| <b>24H(0-24)</b>     | <b>3787</b>    | <b>46</b>    | <b>40</b>  | <b>7</b>   | <b>2</b> | <b>29</b> | <b>163</b> | <b>617</b> | <b>1445</b> | <b>959</b> | <b>385</b> | <b>125</b> | <b>46</b> | <b>12</b> | <b>4</b> | <b>0</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>17 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |            |           |           |          |          |
| 00:00                | 3              | 0            | 42         | 2          | 0        | 0         | 0          | 0          | 1           | 2          | 0          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 1              | 0            | 48         | 0          | 0        | 0         | 0          | 0          | 0           | 0          | 1          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 2              | 0            | 41         | 2          | 0        | 0         | 0          | 0          | 1           | 1          | 0          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0           | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| 04:00                | 15             | 54           | 47         | 7          | 0        | 0         | 0          | 2          | 1           | 2          | 6          | 2          | 2         | 0         | 0        | 0        |
| 05:00                | 42             | 52           | 45         | 6          | 0        | 0         | 0          | 2          | 12          | 13         | 7          | 6          | 2         | 0         | 0        | 0        |
| 06:00                | 152            | 52           | 45         | 7          | 0        | 0         | 2          | 6          | 37          | 51         | 30         | 15         | 9         | 2         | 0        | 0        |
| <b>07:00</b>         | <b>296</b>     | 48           | 42         | 6          | 0        | 2         | 5          | 31         | 99          | 101        | 36         | 18         | 2         | 1         | 1        | 0        |
| 08:00                | 287            | 46           | 41         | 6          | 0        | 1         | 6          | 38         | 119         | 84         | 25         | 11         | 2         | 1         | 0        | 0        |
| 09:00                | 246            | 43           | 38         | 6          | 0        | 5         | 12         | 68         | 106         | 42         | 9          | 3          | 0         | 1         | 0        | 0        |
| 10:00                | 223            | 43           | 37         | 6          | 0        | 5         | 20         | 53         | 99          | 40         | 5          | 0          | 1         | 0         | 0        | 0        |
| 11:00                | 265            | 44           | 39         | 5          | 0        | 0         | 14         | 51         | 127         | 61         | 10         | 2          | 0         | 0         | 0        | 0        |
| 12:00                | 259            | 45           | 39         | 7          | 0        | 3         | 10         | 67         | 98          | 54         | 17         | 3          | 3         | 2         | 1        | 1        |
| 13:00                | 221            | 46           | 40         | 6          | 0        | 1         | 4          | 49         | 84          | 53         | 22         | 7          | 0         | 1         | 0        | 0        |
| 14:00                | 219            | 43           | 37         | 6          | 0        | 4         | 13         | 65         | 86          | 40         | 10         | 1          | 0         | 0         | 0        | 0        |
| 15:00                | 260            | 45           | 39         | 5          | 0        | 0         | 8          | 58         | 113         | 56         | 19         | 6          | 0         | 0         | 0        | 0        |
| <b>16:00</b>         | <b>299</b>     | 46           | 41         | 6          | 0        | 1         | 12         | 35         | 126         | 77         | 33         | 13         | 1         | 1         | 0        | 0        |
| 17:00                | 260            | 46           | 41         | 5          | 0        | 0         | 3          | 33         | 105         | 86         | 25         | 5          | 1         | 2         | 0        | 0        |
| 18:00                | 165            | 48           | 42         | 7          | 0        | 1         | 4          | 20         | 62          | 48         | 10         | 12         | 6         | 2         | 0        | 0        |
| 19:00                | 69             | 51           | 43         | 8          | 0        | 0         | 2          | 10         | 15          | 20         | 12         | 4          | 5         | 1         | 0        | 0        |
| 20:00                | 59             | 47           | 42         | 9          | 0        | 1         | 4          | 4          | 17          | 22         | 6          | 2          | 1         | 1         | 0        | 1        |
| 21:00                | 31             | 47           | 41         | 7          | 0        | 0         | 2          | 4          | 8           | 11         | 5          | 0          | 1         | 0         | 0        | 0        |
| 22:00                | 18             | 51           | 44         | 6          | 0        | 0         | 0          | 0          | 8           | 5          | 2          | 3          | 0         | 0         | 0        | 0        |
| 23:00                | 5              | 0            | 40         | 4          | 0        | 0         | 0          | 1          | 2           | 2          | 0          | 0          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3000</b>    | <b>45</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>23</b> | <b>111</b> | <b>568</b> | <b>1224</b> | <b>742</b> | <b>221</b> | <b>81</b>  | <b>16</b> | <b>11</b> | <b>2</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>3311</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>24</b> | <b>121</b> | <b>592</b> | <b>1301</b> | <b>846</b> | <b>274</b> | <b>102</b> | <b>32</b> | <b>15</b> | <b>2</b> | <b>2</b> |
| <b>18H(6-24)</b>     | <b>3334</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>24</b> | <b>121</b> | <b>593</b> | <b>1311</b> | <b>853</b> | <b>276</b> | <b>105</b> | <b>32</b> | <b>15</b> | <b>2</b> | <b>2</b> |
| <b>24H(0-24)</b>     | <b>3397</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>24</b> | <b>121</b> | <b>597</b> | <b>1326</b> | <b>871</b> | <b>290</b> | <b>113</b> | <b>36</b> | <b>15</b> | <b>2</b> | <b>2</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31    | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|-----------|------------|-------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>18 March 2020</b> |                |              |            |            |          |           |           |            |             |            |            |            |           |           |          |          |
| 00:00                | 5              | 0            | 41         | 11         | 0        | 0         | 1         | 1          | 0           | 2          | 0          | 0          | 1         | 0         | 0        | 0        |
| 01:00                | 1              | 0            | 48         | 0          | 0        | 0         | 0         | 0          | 0           | 0          | 1          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 2              | 0            | 46         | 2          | 0        | 0         | 0         | 0          | 0           | 1          | 1          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 3              | 0            | 44         | 4          | 0        | 0         | 0         | 0          | 1           | 1          | 1          | 0          | 0         | 0         | 0        | 0        |
| 04:00                | 11             | 53           | 48         | 5          | 0        | 0         | 0         | 0          | 1           | 2          | 5          | 2          | 1         | 0         | 0        | 0        |
| 05:00                | 45             | 51           | 46         | 7          | 0        | 0         | 0         | 2          | 8           | 16         | 13         | 2          | 2         | 2         | 0        | 0        |
| 06:00                | 123            | 54           | 46         | 7          | 0        | 1         | 1         | 7          | 20          | 41         | 24         | 18         | 10        | 1         | 0        | 0        |
| 07:00                | 259            | 49           | 43         | 6          | 0        | 1         | 4         | 14         | 84          | 91         | 46         | 15         | 2         | 1         | 1        | 0        |
| <b>08:00</b>         | <b>273</b>     | <b>46</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>0</b>  | <b>4</b>  | <b>44</b>  | <b>116</b>  | <b>68</b>  | <b>31</b>  | <b>4</b>   | <b>6</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 209            | 45           | 39         | 6          | 0        | 2         | 11        | 46         | 74          | 53         | 17         | 4          | 2         | 0         | 0        | 0        |
| 10:00                | 179            | 45           | 39         | 7          | 0        | 0         | 13        | 40         | 68          | 42         | 9          | 4          | 2         | 0         | 0        | 1        |
| 11:00                | 183            | 44           | 39         | 6          | 0        | 2         | 4         | 38         | 78          | 49         | 8          | 3          | 1         | 0         | 0        | 0        |
| 12:00                | 198            | 45           | 39         | 6          | 0        | 0         | 11        | 41         | 87          | 41         | 15         | 2          | 1         | 0         | 0        | 0        |
| 13:00                | 186            | 45           | 40         | 6          | 0        | 2         | 6         | 36         | 68          | 53         | 18         | 2          | 0         | 1         | 0        | 0        |
| 14:00                | 166            | 45           | 40         | 5          | 0        | 0         | 2         | 34         | 65          | 51         | 8          | 3          | 3         | 0         | 0        | 0        |
| 15:00                | 220            | 45           | 40         | 6          | 0        | 0         | 12        | 31         | 88          | 64         | 20         | 5          | 0         | 0         | 0        | 0        |
| <b>16:00</b>         | <b>249</b>     | <b>47</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>1</b>  | <b>5</b>  | <b>37</b>  | <b>81</b>   | <b>84</b>  | <b>26</b>  | <b>12</b>  | <b>1</b>  | <b>2</b>  | <b>0</b> | <b>0</b> |
| 17:00                | 224            | 47           | 42         | 5          | 0        | 0         | 2         | 13         | 78          | 87         | 36         | 6          | 2         | 0         | 0        | 0        |
| 18:00                | 124            | 48           | 42         | 7          | 0        | 1         | 4         | 15         | 36          | 42         | 16         | 8          | 1         | 1         | 0        | 0        |
| 19:00                | 78             | 50           | 43         | 7          | 0        | 0         | 1         | 9          | 25          | 19         | 15         | 5          | 3         | 1         | 0        | 0        |
| 20:00                | 42             | 45           | 39         | 8          | 0        | 0         | 6         | 5          | 13          | 14         | 2          | 1          | 0         | 1         | 0        | 0        |
| 21:00                | 34             | 53           | 43         | 10         | 0        | 0         | 2         | 7          | 5           | 8          | 5          | 4          | 1         | 1         | 1        | 0        |
| 22:00                | 22             | 50           | 44         | 6          | 0        | 0         | 0         | 3          | 3           | 8          | 6          | 1          | 1         | 0         | 0        | 0        |
| 23:00                | 7              | 0            | 37         | 2          | 0        | 0         | 0         | 2          | 5           | 0          | 0          | 0          | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2470</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>9</b>  | <b>78</b> | <b>389</b> | <b>923</b>  | <b>725</b> | <b>250</b> | <b>68</b>  | <b>21</b> | <b>5</b>  | <b>1</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>2747</b>    | <b>46</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>10</b> | <b>88</b> | <b>417</b> | <b>986</b>  | <b>807</b> | <b>296</b> | <b>96</b>  | <b>35</b> | <b>9</b>  | <b>2</b> | <b>1</b> |
| <b>18H(6-24)</b>     | <b>2776</b>    | <b>46</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>10</b> | <b>88</b> | <b>422</b> | <b>994</b>  | <b>815</b> | <b>302</b> | <b>97</b>  | <b>36</b> | <b>9</b>  | <b>2</b> | <b>1</b> |
| <b>24H(0-24)</b>     | <b>2843</b>    | <b>47</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>10</b> | <b>89</b> | <b>425</b> | <b>1004</b> | <b>837</b> | <b>323</b> | <b>101</b> | <b>40</b> | <b>11</b> | <b>2</b> | <b>1</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21   | 21-<31    | 31-<36     | 36-<41     | 41-<46     | 46-<51     | 51-<56     | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|----------|----------|
| <b>19 March 2020</b> |                |              |            |            |          |          |           |            |            |            |            |            |           |           |          |          |
| 00:00                | 2              | 0            | 41         | 2          | 0        | 0        | 0         | 0          | 1          | 1          | 0          | 0          | 0         | 0         | 0        | 0        |
| 01:00                | 2              | 0            | 44         | 0          | 0        | 0        | 0         | 0          | 0          | 2          | 0          | 0          | 0         | 0         | 0        | 0        |
| 02:00                | 2              | 0            | 41         | 8          | 0        | 0        | 0         | 1          | 0          | 0          | 1          | 0          | 0         | 0         | 0        | 0        |
| 03:00                | 1              | 0            | 58         | 0          | 0        | 0        | 0         | 0          | 0          | 0          | 0          | 0          | 1         | 0         | 0        | 0        |
| 04:00                | 16             | 61           | 51         | 10         | 0        | 0        | 1         | 0          | 0          | 4          | 2          | 4          | 2         | 2         | 1        | 0        |
| 05:00                | 36             | 51           | 45         | 7          | 0        | 0        | 0         | 3          | 8          | 7          | 13         | 3          | 1         | 1         | 0        | 0        |
| 06:00                | 128            | 55           | 46         | 9          | 0        | 1        | 2         | 9          | 30         | 24         | 22         | 24         | 10        | 5         | 1        | 0        |
| <b>07:00</b>         | <b>265</b>     | 47           | 42         | 6          | 0        | 1        | 4         | 22         | 91         | 99         | 31         | 8          | 7         | 2         | 0        | 0        |
| 08:00                | 233            | 47           | 40         | 6          | 0        | 1        | 6         | 38         | 93         | 55         | 29         | 8          | 2         | 1         | 0        | 0        |
| 09:00                | 171            | 44           | 39         | 6          | 0        | 1        | 4         | 44         | 69         | 40         | 10         | 2          | 0         | 1         | 0        | 0        |
| 10:00                | 158            | 44           | 39         | 6          | 0        | 0        | 8         | 31         | 68         | 39         | 8          | 3          | 1         | 0         | 0        | 0        |
| 11:00                | 147            | 45           | 39         | 6          | 0        | 1        | 5         | 32         | 53         | 43         | 9          | 3          | 1         | 0         | 0        | 0        |
| 12:00                | 179            | 46           | 40         | 6          | 0        | 0        | 7         | 37         | 66         | 45         | 17         | 5          | 2         | 0         | 0        | 0        |
| 13:00                | 142            | 45           | 40         | 5          | 0        | 1        | 5         | 15         | 67         | 38         | 15         | 0          | 1         | 0         | 0        | 0        |
| 14:00                | 193            | 46           | 40         | 6          | 0        | 0        | 8         | 37         | 78         | 42         | 24         | 3          | 1         | 0         | 0        | 0        |
| 15:00                | 202            | 45           | 40         | 6          | 0        | 1        | 5         | 36         | 82         | 55         | 11         | 11         | 1         | 0         | 0        | 0        |
| 16:00                | 217            | 46           | 40         | 6          | 0        | 0        | 6         | 36         | 86         | 60         | 22         | 4          | 2         | 0         | 1        | 0        |
| <b>17:00</b>         | <b>257</b>     | 46           | 41         | 5          | 0        | 1        | 3         | 28         | 107        | 78         | 32         | 7          | 0         | 1         | 0        | 0        |
| 18:00                | 109            | 49           | 43         | 7          | 0        | 0        | 3         | 4          | 46         | 34         | 9          | 7          | 3         | 2         | 0        | 1        |
| 19:00                | 64             | 49           | 42         | 7          | 0        | 0        | 2         | 6          | 20         | 22         | 7          | 4          | 1         | 2         | 0        | 0        |
| 20:00                | 49             | 51           | 43         | 8          | 0        | 0        | 2         | 7          | 11         | 13         | 9          | 4          | 1         | 1         | 1        | 0        |
| 21:00                | 39             | 54           | 45         | 9          | 0        | 0        | 0         | 4          | 12         | 5          | 10         | 3          | 3         | 1         | 0        | 1        |
| 22:00                | 17             | 51           | 41         | 13         | 0        | 1        | 1         | 3          | 6          | 3          | 0          | 1          | 0         | 0         | 2        | 0        |
| 23:00                | 8              | 0            | 46         | 7          | 0        | 0        | 0         | 0          | 3          | 0          | 4          | 0          | 1         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2273</b>    | <b>46</b>    | <b>40</b>  | <b>6</b>   | <b>0</b> | <b>7</b> | <b>64</b> | <b>360</b> | <b>906</b> | <b>628</b> | <b>217</b> | <b>61</b>  | <b>21</b> | <b>7</b>  | <b>1</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>2553</b>    | <b>47</b>    | <b>41</b>  | <b>6</b>   | <b>0</b> | <b>8</b> | <b>70</b> | <b>386</b> | <b>979</b> | <b>692</b> | <b>265</b> | <b>96</b>  | <b>36</b> | <b>16</b> | <b>3</b> | <b>2</b> |
| <b>18H(6-24)</b>     | <b>2578</b>    | <b>47</b>    | <b>41</b>  | <b>7</b>   | <b>0</b> | <b>9</b> | <b>71</b> | <b>389</b> | <b>988</b> | <b>695</b> | <b>269</b> | <b>97</b>  | <b>37</b> | <b>16</b> | <b>5</b> | <b>2</b> |
| <b>24H(0-24)</b>     | <b>2637</b>    | <b>47</b>    | <b>41</b>  | <b>7</b>   | <b>0</b> | <b>9</b> | <b>72</b> | <b>393</b> | <b>997</b> | <b>709</b> | <b>285</b> | <b>104</b> | <b>41</b> | <b>19</b> | <b>6</b> | <b>2</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

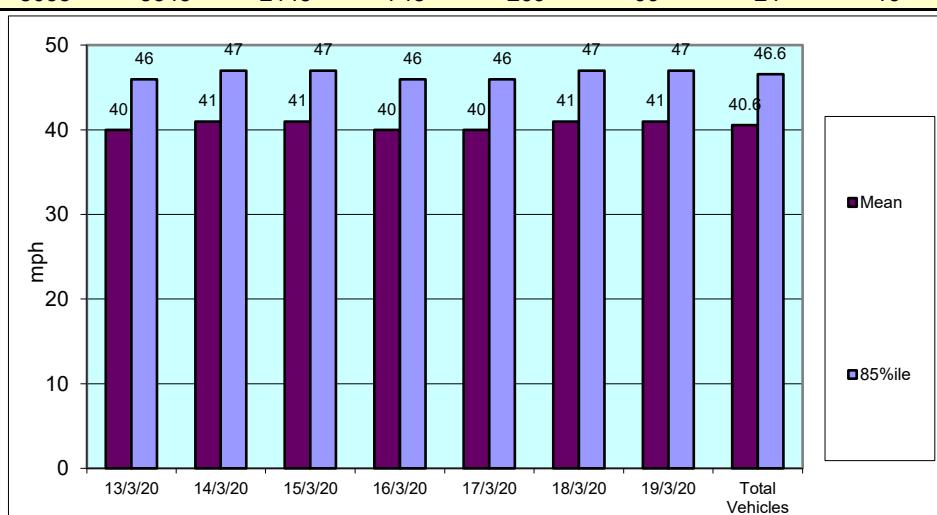
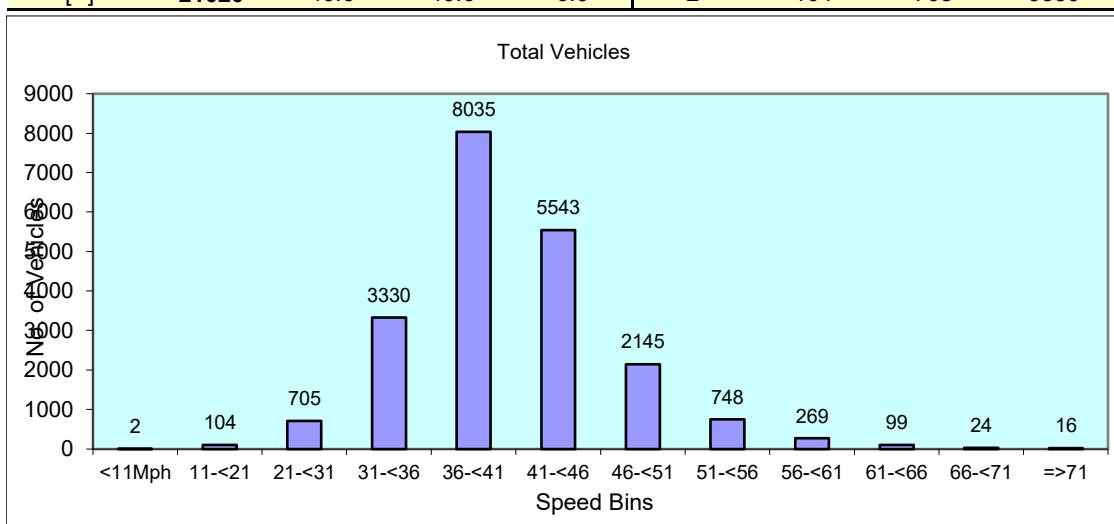
| Time Period | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|-------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
|-------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|

**Daily Totals**

|         |             |    |    |   |   |    |     |     |      |      |     |     |    |    |   |   |
|---------|-------------|----|----|---|---|----|-----|-----|------|------|-----|-----|----|----|---|---|
| 13/3/20 | <b>4119</b> | 46 | 40 | 6 | 0 | 12 | 118 | 654 | 1662 | 1050 | 414 | 139 | 47 | 16 | 3 | 4 |
| 14/3/20 | <b>2452</b> | 47 | 41 | 7 | 0 | 8  | 75  | 381 | 941  | 653  | 241 | 88  | 39 | 16 | 6 | 4 |
| 15/3/20 | <b>1785</b> | 47 | 41 | 7 | 0 | 12 | 67  | 263 | 660  | 464  | 207 | 78  | 20 | 10 | 1 | 3 |
| 16/3/20 | <b>3787</b> | 46 | 40 | 7 | 2 | 29 | 163 | 617 | 1445 | 959  | 385 | 125 | 46 | 12 | 4 | 0 |
| 17/3/20 | <b>3397</b> | 46 | 40 | 6 | 0 | 24 | 121 | 597 | 1326 | 871  | 290 | 113 | 36 | 15 | 2 | 2 |
| 18/3/20 | <b>2843</b> | 47 | 41 | 6 | 0 | 10 | 89  | 425 | 1004 | 837  | 323 | 101 | 40 | 11 | 2 | 1 |
| 19/3/20 | <b>2637</b> | 47 | 41 | 7 | 0 | 9  | 72  | 393 | 997  | 709  | 285 | 104 | 41 | 19 | 6 | 2 |

**Total Vehicles**

|      |              |      |      |     |   |     |     |      |      |      |      |     |     |    |    |    |
|------|--------------|------|------|-----|---|-----|-----|------|------|------|------|-----|-----|----|----|----|
| [--] | <b>21020</b> | 46.6 | 40.6 | 6.6 | 2 | 104 | 705 | 3330 | 8035 | 5543 | 2145 | 748 | 269 | 99 | 24 | 16 |
|------|--------------|------|------|-----|---|-----|-----|------|------|------|------|-----|-----|----|----|----|



25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD                      | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day Ave.  | 7-Day Ave.  |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-------------|
| <b>Week Begin: 13 March 2020</b> |                 |                 |                 |                 |                 |                 |                 |             |             |
| 00:00                            | 3               | 13              | 9               | 3               | 3               | 5               | 2               | 3           | 5           |
| 01:00                            | 0               | 5               | 8               | 3               | 1               | 1               | 2               | 1           | 3           |
| 02:00                            | 3               | 2               | 3               | 3               | 2               | 2               | 2               | 2           | 2           |
| 03:00                            | 6               | 1               | 5               | 3               | 0               | 3               | 1               | 3           | 3           |
| 04:00                            | 11              | 9               | 1               | 18              | 15              | 11              | 16              | 14          | 12          |
| 05:00                            | 45              | 16              | 9               | 52              | 42              | 45              | 36              | 44          | 35          |
| 06:00                            | 153             | 30              | 16              | 160             | 152             | 123             | 128             | 143         | 109         |
| 07:00                            | 278             | 73              | 35              | 307             | 296             | 259             | 265             | 281         | 216         |
| 08:00                            | 313             | 140             | 56              | 313             | 287             | 273             | 233             | 284         | 231         |
| 09:00                            | 260             | 203             | 128             | 259             | 246             | 209             | 171             | 229         | 211         |
| 10:00                            | 285             | 191             | 141             | 232             | 223             | 179             | 158             | 215         | 201         |
| 11:00                            | 283             | 219             | 172             | 270             | 265             | 183             | 147             | 230         | 220         |
| 12:00                            | 330             | 207             | 187             | 281             | 259             | 198             | 179             | 249         | 234         |
| 13:00                            | 310             | 228             | 162             | 268             | 221             | 186             | 142             | 225         | 217         |
| 14:00                            | 338             | 211             | 159             | 285             | 219             | 166             | 193             | 240         | 224         |
| 15:00                            | 428             | 166             | 177             | 316             | 260             | 220             | 202             | 285         | 253         |
| 16:00                            | 322             | 198             | 127             | 331             | 299             | 249             | 217             | 284         | 249         |
| 17:00                            | 283             | 179             | 117             | 278             | 260             | 224             | 257             | 260         | 228         |
| 18:00                            | 183             | 137             | 83              | 161             | 165             | 124             | 109             | 148         | 137         |
| 19:00                            | 103             | 91              | 79              | 104             | 69              | 78              | 64              | 84          | 84          |
| 20:00                            | 73              | 45              | 49              | 56              | 59              | 42              | 49              | 56          | 53          |
| 21:00                            | 55              | 41              | 30              | 49              | 31              | 34              | 39              | 42          | 40          |
| 22:00                            | 41              | 31              | 19              | 26              | 18              | 22              | 17              | 25          | 25          |
| 23:00                            | 13              | 16              | 13              | 9               | 5               | 7               | 8               | 8           | 10          |
| <b>12H(7-19)</b>                 | <b>3613</b>     | <b>2152</b>     | <b>1544</b>     | <b>3301</b>     | <b>3000</b>     | <b>2470</b>     | <b>2273</b>     | <b>2931</b> | <b>2622</b> |
| <b>16H(6-22)</b>                 | <b>3997</b>     | <b>2359</b>     | <b>1718</b>     | <b>3670</b>     | <b>3311</b>     | <b>2747</b>     | <b>2553</b>     | <b>3256</b> | <b>2908</b> |
| <b>18H(6-24)</b>                 | <b>4051</b>     | <b>2406</b>     | <b>1750</b>     | <b>3705</b>     | <b>3334</b>     | <b>2776</b>     | <b>2578</b>     | <b>3289</b> | <b>2943</b> |
| <b>24H(0-24)</b>                 | <b>4119</b>     | <b>2452</b>     | <b>1785</b>     | <b>3787</b>     | <b>3397</b>     | <b>2843</b>     | <b>2637</b>     | <b>3357</b> | <b>3003</b> |
| <b>AM</b>                        | <b>08:00</b>    | <b>11:00</b>    | <b>11:00</b>    | <b>08:00</b>    | <b>07:00</b>    | <b>08:00</b>    | <b>07:00</b>    |             |             |
| <b>Peak</b>                      | <b>313</b>      | <b>219</b>      | <b>172</b>      | <b>313</b>      | <b>296</b>      | <b>273</b>      | <b>265</b>      |             |             |
| <b>PM</b>                        | <b>15:00</b>    | <b>13:00</b>    | <b>12:00</b>    | <b>16:00</b>    | <b>16:00</b>    | <b>16:00</b>    | <b>17:00</b>    |             |             |
| <b>Peak</b>                      | <b>428</b>      | <b>228</b>      | <b>187</b>      | <b>331</b>      | <b>299</b>      | <b>249</b>      | <b>257</b>      |             |             |

25064

NORTON

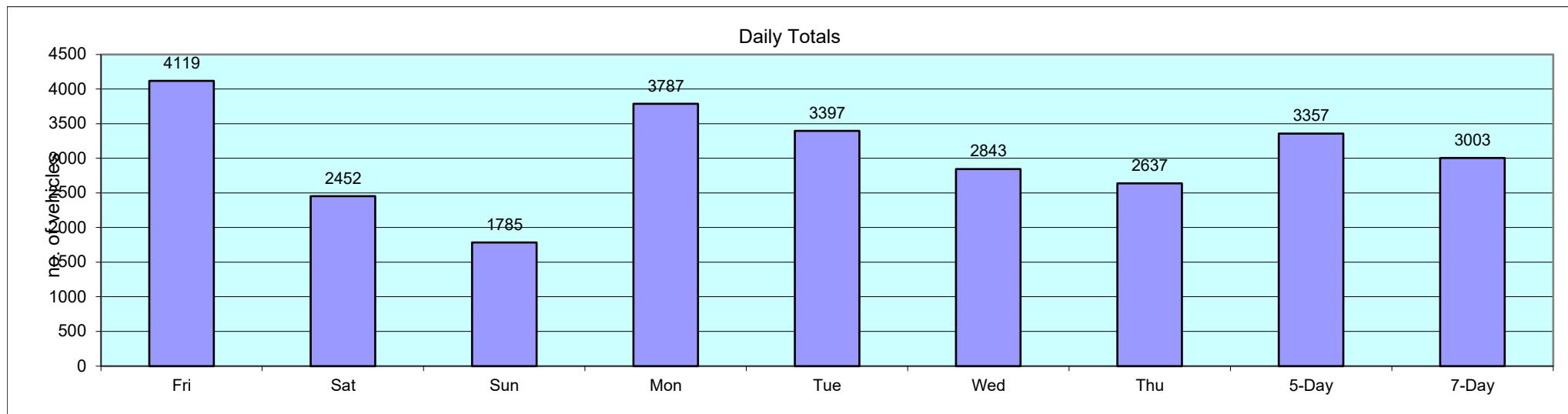
Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Eastbound

| TIME PERIOD | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day<br>Ave. | 7-Day<br>Ave. |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|



25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %      | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|------------|-----------|------------|----------|------------|
| <b>13 March 2020</b> |                |              |               |             |             |            |            |           |            |          |            |
| 00:00                | <b>14</b>      | 0            | 0.0           | 14          | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 02:00                | <b>5</b>       | 0            | 0.0           | 3           | 60.0        | 2          | 40.0       | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 2              | 0            | 0.0           | 2           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 04:00                | <b>2</b>       | 0            | 0.0           | 2           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 05:00                | <b>13</b>      | 0            | 0.0           | 11          | 84.6        | 2          | 15.4       | 0         | 0.0        | 0        | 0.0        |
| 06:00                | <b>48</b>      | 0            | 0.0           | 41          | 85.4        | 7          | 14.6       | 0         | 0.0        | 0        | 0.0        |
| 07:00                | <b>227</b>     | 0            | 0.0           | 204         | 89.9        | 21         | 9.3        | 2         | 0.9        | 0        | 0.0        |
| <b>08:00</b>         | <b>401</b>     | 2            | 0.5           | 351         | 87.5        | 42         | 10.5       | 5         | 1.3        | 1        | 0.3        |
| 09:00                | <b>276</b>     | 1            | 0.4           | 232         | 84.1        | 35         | 12.7       | 7         | 2.5        | 1        | 0.4        |
| 10:00                | <b>231</b>     | 1            | 0.4           | 195         | 84.4        | 32         | 13.9       | 3         | 1.3        | 0        | 0.0        |
| 11:00                | <b>221</b>     | 1            | 0.5           | 193         | 87.3        | 20         | 9.1        | 7         | 3.2        | 0        | 0.0        |
| 12:00                | <b>293</b>     | 2            | 0.7           | 252         | 86.0        | 32         | 10.9       | 6         | 2.1        | 1        | 0.3        |
| 13:00                | <b>283</b>     | 6            | 2.1           | 251         | 88.7        | 23         | 8.1        | 3         | 1.1        | 0        | 0.0        |
| 14:00                | <b>296</b>     | 4            | 1.4           | 268         | 90.5        | 17         | 5.7        | 7         | 2.4        | 0        | 0.0        |
| <b>15:00</b>         | <b>339</b>     | 2            | 0.6           | 294         | 86.7        | 32         | 9.4        | 11        | 3.2        | 0        | 0.0        |
| 16:00                | <b>333</b>     | 4            | 1.2           | 305         | 91.6        | 21         | 6.3        | 3         | 0.9        | 0        | 0.0        |
| 17:00                | <b>311</b>     | 2            | 0.6           | 289         | 92.9        | 18         | 5.8        | 2         | 0.6        | 0        | 0.0        |
| 18:00                | <b>232</b>     | 3            | 1.3           | 215         | 92.7        | 14         | 6.0        | 0         | 0.0        | 0        | 0.0        |
| 19:00                | <b>148</b>     | 0            | 0.0           | 137         | 92.6        | 10         | 6.8        | 1         | 0.7        | 0        | 0.0        |
| 20:00                | <b>96</b>      | 0            | 0.0           | 90          | 93.8        | 5          | 5.2        | 1         | 1.0        | 0        | 0.0        |
| 21:00                | <b>60</b>      | 1            | 1.7           | 56          | 93.3        | 3          | 5.0        | 0         | 0.0        | 0        | 0.0        |
| 22:00                | <b>39</b>      | 0            | 0.0           | 39          | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 23:00                | <b>36</b>      | 0            | 0.0           | 33          | 91.7        | 3          | 8.3        | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>3443</b>    | <b>28</b>    | <b>0.8</b>    | <b>3049</b> | <b>88.6</b> | <b>307</b> | <b>8.9</b> | <b>56</b> | <b>1.6</b> | <b>3</b> | <b>0.1</b> |
| <b>16H(6-22)</b>     | <b>3795</b>    | <b>29</b>    | <b>0.8</b>    | <b>3373</b> | <b>88.9</b> | <b>332</b> | <b>8.8</b> | <b>58</b> | <b>1.5</b> | <b>3</b> | <b>0.1</b> |
| <b>18H(6-24)</b>     | <b>3870</b>    | <b>29</b>    | <b>0.8</b>    | <b>3445</b> | <b>89.0</b> | <b>335</b> | <b>8.7</b> | <b>58</b> | <b>1.5</b> | <b>3</b> | <b>0.1</b> |
| <b>24H(0-24)</b>     | <b>3909</b>    | <b>29</b>    | <b>0.7</b>    | <b>3480</b> | <b>89.0</b> | <b>339</b> | <b>8.7</b> | <b>58</b> | <b>1.5</b> | <b>3</b> | <b>0.1</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %      | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|------------|-----------|------------|----------|------------|
| <b>14 March 2020</b> |                |              |               |             |             |            |            |           |            |          |            |
| 00:00                | 9              | 0            | 0.0           | 9           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 3              | 0            | 0.0           | 2           | 66.7        | 1          | 33.3       | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 2              | 0            | 0.0           | 1           | 50.0        | 1          | 50.0       | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 5              | 0            | 0.0           | 4           | 80.0        | 1          | 20.0       | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 7              | 0            | 0.0           | 7           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 06:00                | 18             | 0            | 0.0           | 15          | 83.3        | 2          | 11.1       | 1         | 5.6        | 0        | 0.0        |
| 07:00                | 59             | 1            | 1.7           | 50          | 84.8        | 8          | 13.6       | 0         | 0.0        | 0        | 0.0        |
| 08:00                | 128            | 1            | 0.8           | 115         | 89.8        | 10         | 7.8        | 2         | 1.6        | 0        | 0.0        |
| 09:00                | 210            | 0            | 0.0           | 187         | 89.1        | 16         | 7.6        | 6         | 2.9        | 1        | 0.5        |
| <b>10:00</b>         | <b>223</b>     | <b>5</b>     | <b>2.2</b>    | <b>205</b>  | <b>91.9</b> | <b>12</b>  | <b>5.4</b> | <b>1</b>  | <b>0.5</b> | <b>0</b> | <b>0.0</b> |
| 11:00                | 208            | 4            | 1.9           | 196         | 94.2        | 7          | 3.4        | 1         | 0.5        | 0        | 0.0        |
| 12:00                | 220            | 8            | 3.6           | 197         | 89.6        | 11         | 5.0        | 4         | 1.8        | 0        | 0.0        |
| <b>13:00</b>         | <b>246</b>     | <b>4</b>     | <b>1.6</b>    | <b>228</b>  | <b>92.7</b> | <b>12</b>  | <b>4.9</b> | <b>2</b>  | <b>0.8</b> | <b>0</b> | <b>0.0</b> |
| 14:00                | 203            | 4            | 2.0           | 186         | 91.6        | 11         | 5.4        | 2         | 1.0        | 0        | 0.0        |
| 15:00                | 217            | 6            | 2.8           | 202         | 93.1        | 7          | 3.2        | 2         | 0.9        | 0        | 0.0        |
| 16:00                | 203            | 9            | 4.4           | 177         | 87.2        | 15         | 7.4        | 2         | 1.0        | 0        | 0.0        |
| 17:00                | 192            | 3            | 1.6           | 186         | 96.9        | 2          | 1.0        | 1         | 0.5        | 0        | 0.0        |
| 18:00                | 145            | 0            | 0.0           | 135         | 93.1        | 9          | 6.2        | 1         | 0.7        | 0        | 0.0        |
| 19:00                | 80             | 1            | 1.3           | 74          | 92.5        | 5          | 6.3        | 0         | 0.0        | 0        | 0.0        |
| 20:00                | 62             | 0            | 0.0           | 56          | 90.3        | 6          | 9.7        | 0         | 0.0        | 0        | 0.0        |
| 21:00                | 51             | 0            | 0.0           | 50          | 98.0        | 1          | 2.0        | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 50             | 0            | 0.0           | 49          | 98.0        | 1          | 2.0        | 0         | 0.0        | 0        | 0.0        |
| 23:00                | 45             | 0            | 0.0           | 43          | 95.6        | 1          | 2.2        | 0         | 0.0        | 1        | 2.2        |
| <b>12H(7-19)</b>     | <b>2254</b>    | <b>45</b>    | <b>2.0</b>    | <b>2064</b> | <b>91.6</b> | <b>120</b> | <b>5.3</b> | <b>24</b> | <b>1.1</b> | <b>1</b> | <b>0.0</b> |
| <b>16H(6-22)</b>     | <b>2465</b>    | <b>46</b>    | <b>1.9</b>    | <b>2259</b> | <b>91.6</b> | <b>134</b> | <b>5.4</b> | <b>25</b> | <b>1.0</b> | <b>1</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>2560</b>    | <b>46</b>    | <b>1.8</b>    | <b>2351</b> | <b>91.8</b> | <b>136</b> | <b>5.3</b> | <b>25</b> | <b>1.0</b> | <b>2</b> | <b>0.1</b> |
| <b>24H(0-24)</b>     | <b>2589</b>    | <b>46</b>    | <b>1.8</b>    | <b>2377</b> | <b>91.8</b> | <b>139</b> | <b>5.4</b> | <b>25</b> | <b>1.0</b> | <b>2</b> | <b>0.1</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV       | LGV %      | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|-----------|------------|-----------|------------|----------|------------|
| <b>15 March 2020</b> |                |              |               |             |             |           |            |           |            |          |            |
| 00:00                | <b>26</b>      | 0            | 0.0           | 22          | 84.6        | 4         | 15.4       | 0         | 0.0        | 0        | 0.0        |
| 01:00                | <b>7</b>       | 0            | 0.0           | 6           | 85.7        | 1         | 14.3       | 0         | 0.0        | 0        | 0.0        |
| 02:00                | <b>2</b>       | 0            | 0.0           | 2           | 100.0       | 0         | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 03:00                | <b>0</b>       | 0            | 0.0           | 0           | 0.0         | 0         | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 04:00                | <b>2</b>       | 0            | 0.0           | 1           | 50.0        | 1         | 50.0       | 0         | 0.0        | 0        | 0.0        |
| 05:00                | <b>5</b>       | 0            | 0.0           | 5           | 100.0       | 0         | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 06:00                | <b>11</b>      | 1            | 9.1           | 8           | 72.7        | 2         | 18.2       | 0         | 0.0        | 0        | 0.0        |
| 07:00                | <b>23</b>      | 0            | 0.0           | 22          | 95.7        | 1         | 4.4        | 0         | 0.0        | 0        | 0.0        |
| 08:00                | <b>53</b>      | 0            | 0.0           | 50          | 94.3        | 3         | 5.7        | 0         | 0.0        | 0        | 0.0        |
| 09:00                | <b>114</b>     | 1            | 0.9           | 107         | 93.9        | 5         | 4.4        | 1         | 0.9        | 0        | 0.0        |
| 10:00                | <b>150</b>     | 3            | 2.0           | 142         | 94.7        | 4         | 2.7        | 1         | 0.7        | 0        | 0.0        |
| <b>11:00</b>         | <b>167</b>     | 0            | 0.0           | 162         | 97.0        | 5         | 3.0        | 0         | 0.0        | 0        | 0.0        |
| <b>12:00</b>         | <b>181</b>     | 0            | 0.0           | 173         | 95.6        | 6         | 3.3        | 2         | 1.1        | 0        | 0.0        |
| 13:00                | <b>164</b>     | 0            | 0.0           | 156         | 95.1        | 7         | 4.3        | 1         | 0.6        | 0        | 0.0        |
| 14:00                | <b>167</b>     | 2            | 1.2           | 156         | 93.4        | 8         | 4.8        | 1         | 0.6        | 0        | 0.0        |
| 15:00                | <b>168</b>     | 5            | 3.0           | 156         | 92.9        | 7         | 4.2        | 0         | 0.0        | 0        | 0.0        |
| 16:00                | <b>149</b>     | 3            | 2.0           | 133         | 89.3        | 12        | 8.1        | 1         | 0.7        | 0        | 0.0        |
| 17:00                | <b>152</b>     | 0            | 0.0           | 148         | 97.4        | 4         | 2.6        | 0         | 0.0        | 0        | 0.0        |
| 18:00                | <b>115</b>     | 1            | 0.9           | 109         | 94.8        | 5         | 4.4        | 0         | 0.0        | 0        | 0.0        |
| 19:00                | <b>90</b>      | 0            | 0.0           | 85          | 94.4        | 4         | 4.4        | 1         | 1.1        | 0        | 0.0        |
| 20:00                | <b>62</b>      | 0            | 0.0           | 60          | 96.8        | 2         | 3.2        | 0         | 0.0        | 0        | 0.0        |
| 21:00                | <b>27</b>      | 0            | 0.0           | 26          | 96.3        | 0         | 0.0        | 1         | 3.7        | 0        | 0.0        |
| 22:00                | <b>48</b>      | 0            | 0.0           | 48          | 100.0       | 0         | 0.0        | 0         | 0.0        | 0        | 0.0        |
| 23:00                | <b>12</b>      | 0            | 0.0           | 11          | 91.7        | 0         | 0.0        | 1         | 8.3        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>1603</b>    | <b>15</b>    | <b>0.9</b>    | <b>1514</b> | <b>94.5</b> | <b>67</b> | <b>4.2</b> | <b>7</b>  | <b>0.4</b> | <b>0</b> | <b>0.0</b> |
| <b>16H(6-22)</b>     | <b>1793</b>    | <b>16</b>    | <b>0.9</b>    | <b>1693</b> | <b>94.4</b> | <b>75</b> | <b>4.2</b> | <b>9</b>  | <b>0.5</b> | <b>0</b> | <b>0.0</b> |
| <b>18H(6-24)</b>     | <b>1853</b>    | <b>16</b>    | <b>0.9</b>    | <b>1752</b> | <b>94.6</b> | <b>75</b> | <b>4.1</b> | <b>10</b> | <b>0.5</b> | <b>0</b> | <b>0.0</b> |
| <b>24H(0-24)</b>     | <b>1895</b>    | <b>16</b>    | <b>0.8</b>    | <b>1788</b> | <b>94.4</b> | <b>81</b> | <b>4.3</b> | <b>10</b> | <b>0.5</b> | <b>0</b> | <b>0.0</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %      | HGV       | HGV %      | BUS       | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|------------|-----------|------------|-----------|------------|
| <b>16 March 2020</b> |                |              |               |             |             |            |            |           |            |           |            |
| 00:00                | 10             | 0            | 0.0           | 10          | 100.0       | 0          | 0.0        | 0         | 0.0        | 0         | 0.0        |
| 01:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0         | 0.0        |
| 02:00                | 0              | 0            | 0.0           | 0           | 0.0         | 0          | 0.0        | 0         | 0.0        | 0         | 0.0        |
| 03:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0         | 0.0        |
| 04:00                | 2              | 0            | 0.0           | 2           | 100.0       | 0          | 0.0        | 0         | 0.0        | 0         | 0.0        |
| 05:00                | 19             | 0            | 0.0           | 13          | 68.4        | 2          | 10.5       | 2         | 10.5       | 2         | 10.5       |
| 06:00                | 33             | 0            | 0.0           | 30          | 90.9        | 1          | 3.0        | 2         | 6.1        | 0         | 0.0        |
| 07:00                | 257            | 0            | 0.0           | 222         | 86.4        | 30         | 11.7       | 4         | 1.6        | 1         | 0.4        |
| <b>08:00</b>         | <b>411</b>     | <b>4</b>     | <b>1.0</b>    | <b>359</b>  | <b>87.4</b> | <b>40</b>  | <b>9.7</b> | <b>7</b>  | <b>1.7</b> | <b>1</b>  | <b>0.2</b> |
| 09:00                | 286            | 1            | 0.4           | 248         | 86.7        | 28         | 9.8        | 8         | 2.8        | 1         | 0.4        |
| 10:00                | 218            | 4            | 1.8           | 186         | 85.3        | 27         | 12.4       | 1         | 0.5        | 0         | 0.0        |
| 11:00                | 219            | 5            | 2.3           | 177         | 80.8        | 25         | 11.4       | 8         | 3.7        | 4         | 1.8        |
| 12:00                | 253            | 6            | 2.4           | 217         | 85.8        | 22         | 8.7        | 7         | 2.8        | 1         | 0.4        |
| 13:00                | 240            | 5            | 2.1           | 212         | 88.3        | 18         | 7.5        | 5         | 2.1        | 0         | 0.0        |
| 14:00                | 263            | 4            | 1.5           | 228         | 86.7        | 26         | 9.9        | 3         | 1.1        | 2         | 0.8        |
| 15:00                | 289            | 2            | 0.7           | 253         | 87.5        | 30         | 10.4       | 4         | 1.4        | 0         | 0.0        |
| <b>16:00</b>         | <b>338</b>     | <b>6</b>     | <b>1.8</b>    | <b>294</b>  | <b>87.0</b> | <b>33</b>  | <b>9.8</b> | <b>5</b>  | <b>1.5</b> | <b>0</b>  | <b>0.0</b> |
| <b>17:00</b>         | <b>338</b>     | <b>12</b>    | <b>3.6</b>    | <b>295</b>  | <b>87.3</b> | <b>26</b>  | <b>7.7</b> | <b>5</b>  | <b>1.5</b> | <b>0</b>  | <b>0.0</b> |
| 18:00                | 245            | 1            | 0.4           | 232         | 94.7        | 9          | 3.7        | 3         | 1.2        | 0         | 0.0        |
| 19:00                | 133            | 2            | 1.5           | 120         | 90.2        | 11         | 8.3        | 0         | 0.0        | 0         | 0.0        |
| 20:00                | 64             | 2            | 3.1           | 58          | 90.6        | 4          | 6.3        | 0         | 0.0        | 0         | 0.0        |
| 21:00                | 50             | 1            | 2.0           | 47          | 94.0        | 2          | 4.0        | 0         | 0.0        | 0         | 0.0        |
| 22:00                | 42             | 0            | 0.0           | 38          | 90.5        | 4          | 9.5        | 0         | 0.0        | 0         | 0.0        |
| 23:00                | 23             | 0            | 0.0           | 20          | 87.0        | 2          | 8.7        | 1         | 4.4        | 0         | 0.0        |
| <b>12H(7-19)</b>     | <b>3357</b>    | <b>50</b>    | <b>1.5</b>    | <b>2923</b> | <b>87.1</b> | <b>314</b> | <b>9.4</b> | <b>60</b> | <b>1.8</b> | <b>10</b> | <b>0.3</b> |
| <b>16H(6-22)</b>     | <b>3637</b>    | <b>55</b>    | <b>1.5</b>    | <b>3178</b> | <b>87.4</b> | <b>332</b> | <b>9.1</b> | <b>62</b> | <b>1.7</b> | <b>10</b> | <b>0.3</b> |
| <b>18H(6-24)</b>     | <b>3702</b>    | <b>55</b>    | <b>1.5</b>    | <b>3236</b> | <b>87.4</b> | <b>338</b> | <b>9.1</b> | <b>63</b> | <b>1.7</b> | <b>10</b> | <b>0.3</b> |
| <b>24H(0-24)</b>     | <b>3739</b>    | <b>55</b>    | <b>1.5</b>    | <b>3267</b> | <b>87.4</b> | <b>340</b> | <b>9.1</b> | <b>65</b> | <b>1.7</b> | <b>12</b> | <b>0.3</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|----------|------------|
| <b>17 March 2020</b> |                |              |               |             |             |            |             |           |            |          |            |
| 00:00                | 4              | 0            | 0.0           | 3           | 75.0        | 1          | 25.0        | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 2              | 0            | 0.0           | 2           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 2              | 0            | 0.0           | 2           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 3              | 0            | 0.0           | 2           | 66.7        | 1          | 33.3        | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 19             | 0            | 0.0           | 16          | 84.2        | 2          | 10.5        | 1         | 5.3        | 0        | 0.0        |
| 06:00                | 51             | 0            | 0.0           | 46          | 90.2        | 4          | 7.8         | 1         | 2.0        | 0        | 0.0        |
| 07:00                | 218            | 1            | 0.5           | 198         | 90.8        | 17         | 7.8         | 2         | 0.9        | 0        | 0.0        |
| <b>08:00</b>         | <b>401</b>     | <b>4</b>     | <b>1.0</b>    | <b>343</b>  | <b>85.5</b> | <b>45</b>  | <b>11.2</b> | <b>8</b>  | <b>2.0</b> | <b>1</b> | <b>0.3</b> |
| 09:00                | 238            | 1            | 0.4           | 208         | 87.4        | 24         | 10.1        | 5         | 2.1        | 0        | 0.0        |
| 10:00                | 213            | 4            | 1.9           | 186         | 87.3        | 14         | 6.6         | 8         | 3.8        | 1        | 0.5        |
| 11:00                | 212            | 3            | 1.4           | 173         | 81.6        | 29         | 13.7        | 6         | 2.8        | 1        | 0.5        |
| 12:00                | 206            | 3            | 1.5           | 178         | 86.4        | 21         | 10.2        | 4         | 1.9        | 0        | 0.0        |
| 13:00                | 212            | 3            | 1.4           | 179         | 84.4        | 23         | 10.9        | 7         | 3.3        | 0        | 0.0        |
| 14:00                | 242            | 1            | 0.4           | 207         | 85.5        | 27         | 11.2        | 6         | 2.5        | 1        | 0.4        |
| 15:00                | 271            | 4            | 1.5           | 237         | 87.5        | 29         | 10.7        | 1         | 0.4        | 0        | 0.0        |
| <b>16:00</b>         | <b>321</b>     | <b>1</b>     | <b>0.3</b>    | <b>275</b>  | <b>85.7</b> | <b>44</b>  | <b>13.7</b> | <b>1</b>  | <b>0.3</b> | <b>0</b> | <b>0.0</b> |
| 17:00                | 303            | 3            | 1.0           | 279         | 92.1        | 17         | 5.6         | 4         | 1.3        | 0        | 0.0        |
| 18:00                | 196            | 3            | 1.5           | 179         | 91.3        | 13         | 6.6         | 1         | 0.5        | 0        | 0.0        |
| 19:00                | 99             | 1            | 1.0           | 92          | 92.9        | 6          | 6.1         | 0         | 0.0        | 0        | 0.0        |
| 20:00                | 78             | 0            | 0.0           | 74          | 94.9        | 4          | 5.1         | 0         | 0.0        | 0        | 0.0        |
| 21:00                | 44             | 0            | 0.0           | 41          | 93.2        | 3          | 6.8         | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 35             | 0            | 0.0           | 34          | 97.1        | 1          | 2.9         | 0         | 0.0        | 0        | 0.0        |
| 23:00                | 9              | 0            | 0.0           | 8           | 88.9        | 1          | 11.1        | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>3033</b>    | <b>31</b>    | <b>1.0</b>    | <b>2642</b> | <b>87.1</b> | <b>303</b> | <b>10.0</b> | <b>53</b> | <b>1.8</b> | <b>4</b> | <b>0.1</b> |
| <b>16H(6-22)</b>     | <b>3305</b>    | <b>32</b>    | <b>1.0</b>    | <b>2895</b> | <b>87.6</b> | <b>320</b> | <b>9.7</b>  | <b>54</b> | <b>1.6</b> | <b>4</b> | <b>0.1</b> |
| <b>18H(6-24)</b>     | <b>3349</b>    | <b>32</b>    | <b>1.0</b>    | <b>2937</b> | <b>87.7</b> | <b>322</b> | <b>9.6</b>  | <b>54</b> | <b>1.6</b> | <b>4</b> | <b>0.1</b> |
| <b>24H(0-24)</b>     | <b>3382</b>    | <b>32</b>    | <b>1.0</b>    | <b>2965</b> | <b>87.7</b> | <b>326</b> | <b>9.6</b>  | <b>55</b> | <b>1.6</b> | <b>4</b> | <b>0.1</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|----------|------------|
| <b>18 March 2020</b> |                |              |               |             |             |            |             |           |            |          |            |
| 00:00                | 4              | 0            | 0.0           | 4           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 3              | 0            | 0.0           | 3           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 1              | 0            | 0.0           | 0           | 0.0         | 1          | 100.0       | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 1              | 0            | 0.0           | 0           | 0.0         | 1          | 100.0       | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 4              | 0            | 0.0           | 4           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 14             | 0            | 0.0           | 10          | 71.4        | 3          | 21.4        | 0         | 0.0        | 1        | 7.1        |
| 06:00                | 50             | 0            | 0.0           | 41          | 82.0        | 7          | 14.0        | 2         | 4.0        | 0        | 0.0        |
| 07:00                | 226            | 0            | 0.0           | 195         | 86.3        | 31         | 13.7        | 0         | 0.0        | 0        | 0.0        |
| <b>08:00</b>         | <b>370</b>     | <b>4</b>     | <b>1.1</b>    | <b>319</b>  | <b>86.2</b> | <b>41</b>  | <b>11.1</b> | <b>6</b>  | <b>1.6</b> | <b>0</b> | <b>0.0</b> |
| 09:00                | 233            | 1            | 0.4           | 207         | 88.8        | 22         | 9.4         | 2         | 0.9        | 1        | 0.4        |
| 10:00                | 180            | 2            | 1.1           | 144         | 80.0        | 25         | 13.9        | 9         | 5.0        | 0        | 0.0        |
| 11:00                | 201            | 0            | 0.0           | 170         | 84.6        | 25         | 12.4        | 4         | 2.0        | 2        | 1.0        |
| 12:00                | 184            | 2            | 1.1           | 162         | 88.0        | 17         | 9.2         | 3         | 1.6        | 0        | 0.0        |
| 13:00                | 183            | 1            | 0.6           | 161         | 88.0        | 16         | 8.7         | 3         | 1.6        | 2        | 1.1        |
| 14:00                | 189            | 0            | 0.0           | 170         | 90.0        | 15         | 7.9         | 3         | 1.6        | 1        | 0.5        |
| 15:00                | 246            | 0            | 0.0           | 216         | 87.8        | 25         | 10.2        | 5         | 2.0        | 0        | 0.0        |
| <b>16:00</b>         | <b>286</b>     | <b>3</b>     | <b>1.1</b>    | <b>239</b>  | <b>83.6</b> | <b>43</b>  | <b>15.0</b> | <b>1</b>  | <b>0.4</b> | <b>0</b> | <b>0.0</b> |
| 17:00                | 268            | 6            | 2.2           | 237         | 88.4        | 21         | 7.8         | 4         | 1.5        | 0        | 0.0        |
| 18:00                | 151            | 0            | 0.0           | 132         | 87.4        | 18         | 11.9        | 1         | 0.7        | 0        | 0.0        |
| 19:00                | 90             | 1            | 1.1           | 81          | 90.0        | 8          | 8.9         | 0         | 0.0        | 0        | 0.0        |
| 20:00                | 57             | 1            | 1.8           | 49          | 86.0        | 6          | 10.5        | 1         | 1.8        | 0        | 0.0        |
| 21:00                | 52             | 0            | 0.0           | 49          | 94.2        | 3          | 5.8         | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 32             | 0            | 0.0           | 30          | 93.8        | 1          | 3.1         | 1         | 3.1        | 0        | 0.0        |
| 23:00                | 14             | 0            | 0.0           | 13          | 92.9        | 1          | 7.1         | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2717</b>    | <b>19</b>    | <b>0.7</b>    | <b>2352</b> | <b>86.6</b> | <b>299</b> | <b>11.0</b> | <b>41</b> | <b>1.5</b> | <b>6</b> | <b>0.2</b> |
| <b>16H(6-22)</b>     | <b>2966</b>    | <b>21</b>    | <b>0.7</b>    | <b>2572</b> | <b>86.7</b> | <b>323</b> | <b>10.9</b> | <b>44</b> | <b>1.5</b> | <b>6</b> | <b>0.2</b> |
| <b>18H(6-24)</b>     | <b>3012</b>    | <b>21</b>    | <b>0.7</b>    | <b>2615</b> | <b>86.8</b> | <b>325</b> | <b>10.8</b> | <b>45</b> | <b>1.5</b> | <b>6</b> | <b>0.2</b> |
| <b>24H(0-24)</b>     | <b>3039</b>    | <b>21</b>    | <b>0.7</b>    | <b>2636</b> | <b>86.7</b> | <b>330</b> | <b>10.9</b> | <b>45</b> | <b>1.5</b> | <b>7</b> | <b>0.2</b> |

25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD          | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS        | CARS %      | LGV        | LGV %       | HGV       | HGV %      | BUS      | BUS %      |
|----------------------|----------------|--------------|---------------|-------------|-------------|------------|-------------|-----------|------------|----------|------------|
| <b>19 March 2020</b> |                |              |               |             |             |            |             |           |            |          |            |
| 00:00                | 1              | 0            | 0.0           | 1           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 01:00                | 4              | 0            | 0.0           | 4           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 02:00                | 1              | 0            | 0.0           | 1           | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 03:00                | 2              | 0            | 0.0           | 1           | 50.0        | 1          | 50.0        | 0         | 0.0        | 0        | 0.0        |
| 04:00                | 4              | 0            | 0.0           | 3           | 75.0        | 1          | 25.0        | 0         | 0.0        | 0        | 0.0        |
| 05:00                | 10             | 0            | 0.0           | 10          | 100.0       | 0          | 0.0         | 0         | 0.0        | 0        | 0.0        |
| 06:00                | 43             | 0            | 0.0           | 35          | 81.4        | 6          | 14.0        | 2         | 4.7        | 0        | 0.0        |
| 07:00                | 183            | 1            | 0.6           | 155         | 84.7        | 22         | 12.0        | 5         | 2.7        | 0        | 0.0        |
| <b>08:00</b>         | <b>337</b>     | <b>1</b>     | <b>0.3</b>    | <b>299</b>  | <b>88.7</b> | <b>32</b>  | <b>9.5</b>  | <b>4</b>  | <b>1.2</b> | <b>1</b> | <b>0.3</b> |
| 09:00                | 202            | 3            | 1.5           | 166         | 82.2        | 21         | 10.4        | 11        | 5.5        | 1        | 0.5        |
| 10:00                | 164            | 0            | 0.0           | 131         | 79.9        | 30         | 18.3        | 2         | 1.2        | 1        | 0.6        |
| 11:00                | 183            | 0            | 0.0           | 159         | 86.9        | 18         | 9.8         | 5         | 2.7        | 1        | 0.6        |
| 12:00                | 173            | 2            | 1.2           | 150         | 86.7        | 18         | 10.4        | 3         | 1.7        | 0        | 0.0        |
| 13:00                | 163            | 0            | 0.0           | 136         | 83.4        | 19         | 11.7        | 8         | 4.9        | 0        | 0.0        |
| 14:00                | 196            | 0            | 0.0           | 166         | 84.7        | 26         | 13.3        | 3         | 1.5        | 1        | 0.5        |
| 15:00                | 202            | 0            | 0.0           | 176         | 87.1        | 23         | 11.4        | 3         | 1.5        | 0        | 0.0        |
| 16:00                | 246            | 3            | 1.2           | 216         | 87.8        | 25         | 10.2        | 2         | 0.8        | 0        | 0.0        |
| <b>17:00</b>         | <b>259</b>     | <b>5</b>     | <b>1.9</b>    | <b>230</b>  | <b>88.8</b> | <b>23</b>  | <b>8.9</b>  | <b>0</b>  | <b>0.0</b> | <b>1</b> | <b>0.4</b> |
| 18:00                | 160            | 1            | 0.6           | 148         | 92.5        | 10         | 6.3         | 1         | 0.6        | 0        | 0.0        |
| 19:00                | 100            | 1            | 1.0           | 87          | 87.0        | 11         | 11.0        | 1         | 1.0        | 0        | 0.0        |
| 20:00                | 64             | 1            | 1.6           | 56          | 87.5        | 5          | 7.8         | 2         | 3.1        | 0        | 0.0        |
| 21:00                | 51             | 0            | 0.0           | 46          | 90.2        | 5          | 9.8         | 0         | 0.0        | 0        | 0.0        |
| 22:00                | 25             | 0            | 0.0           | 23          | 92.0        | 2          | 8.0         | 0         | 0.0        | 0        | 0.0        |
| 23:00                | 19             | 0            | 0.0           | 17          | 89.5        | 2          | 10.5        | 0         | 0.0        | 0        | 0.0        |
| <b>12H(7-19)</b>     | <b>2468</b>    | <b>16</b>    | <b>0.7</b>    | <b>2132</b> | <b>86.4</b> | <b>267</b> | <b>10.8</b> | <b>47</b> | <b>1.9</b> | <b>6</b> | <b>0.2</b> |
| <b>16H(6-22)</b>     | <b>2726</b>    | <b>18</b>    | <b>0.7</b>    | <b>2356</b> | <b>86.4</b> | <b>294</b> | <b>10.8</b> | <b>52</b> | <b>1.9</b> | <b>6</b> | <b>0.2</b> |
| <b>18H(6-24)</b>     | <b>2770</b>    | <b>18</b>    | <b>0.7</b>    | <b>2396</b> | <b>86.5</b> | <b>298</b> | <b>10.8</b> | <b>52</b> | <b>1.9</b> | <b>6</b> | <b>0.2</b> |
| <b>24H(0-24)</b>     | <b>2792</b>    | <b>18</b>    | <b>0.6</b>    | <b>2416</b> | <b>86.5</b> | <b>300</b> | <b>10.7</b> | <b>52</b> | <b>1.9</b> | <b>6</b> | <b>0.2</b> |

25064

NORTON

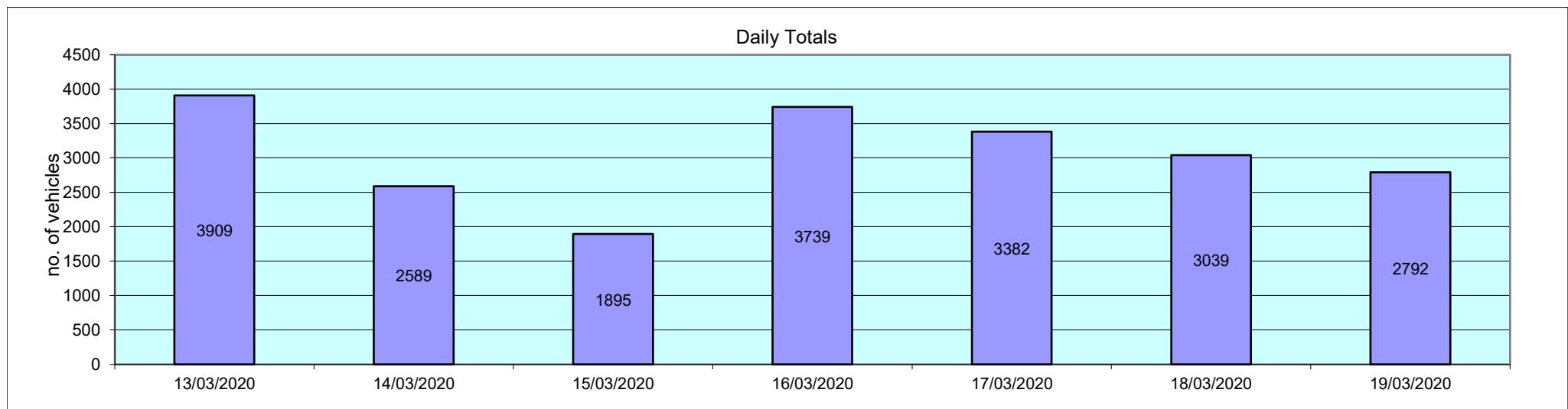
Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD           | TOTAL VEHICLES | MOTOR-CYCLES | MOTOR-CYCLES% | CARS  | CARS % | LGV  | LGV % | HGV | HGV % | BUS | BUS % |
|-----------------------|----------------|--------------|---------------|-------|--------|------|-------|-----|-------|-----|-------|
| <b>Daily Totals</b>   |                |              |               |       |        |      |       |     |       |     |       |
| 13/3/20               | <b>3909</b>    | 29           | 0.7           | 3480  | 89.0   | 339  | 8.7   | 58  | 1.5   | 3   | 0.1   |
| 14/3/20               | <b>2589</b>    | 46           | 1.8           | 2377  | 91.8   | 139  | 5.4   | 25  | 1.0   | 2   | 0.1   |
| 15/3/20               | <b>1895</b>    | 16           | 0.8           | 1788  | 94.4   | 81   | 4.3   | 10  | 0.5   | 0   | 0.0   |
| 16/3/20               | <b>3739</b>    | 55           | 1.5           | 3267  | 87.4   | 340  | 9.1   | 65  | 1.7   | 12  | 0.3   |
| 17/3/20               | <b>3382</b>    | 32           | 1.0           | 2965  | 87.7   | 326  | 9.6   | 55  | 1.6   | 4   | 0.1   |
| 18/3/20               | <b>3039</b>    | 21           | 0.7           | 2636  | 86.7   | 330  | 10.9  | 45  | 1.5   | 7   | 0.2   |
| 19/3/20               | <b>2792</b>    | 18           | 0.6           | 2416  | 86.5   | 300  | 10.7  | 52  | 1.9   | 6   | 0.2   |
| <b>Total Vehicles</b> |                |              |               |       |        |      |       |     |       |     |       |
| [--]                  | <b>21345</b>   | 217          | 1.0           | 18929 | 89.1   | 1855 | 8.4   | 310 | 1.4   | 34  | 0.1   |



25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36      | 36-<41      | 41-<46     | 46-<51     | 51-<56    | 56-<61    | 61-<66   | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|-------------|-------------|------------|------------|-----------|-----------|----------|----------|----------|
| <b>13 March 2020</b> |                |              |            |            |          |           |            |             |             |            |            |           |           |          |          |          |
| 00:00                | 14             | 44           | 39         | 7          | 0        | 0         | 0          | 6           | 4           | 2          | 0          | 2         | 0         | 0        | 0        | 0        |
| 01:00                | 3              | 0            | 45         | 2          | 0        | 0         | 0          | 0           | 0           | 2          | 1          | 0         | 0         | 0        | 0        | 0        |
| 02:00                | 5              | 0            | 38         | 7          | 0        | 0         | 1          | 1           | 0           | 3          | 0          | 0         | 0         | 0        | 0        | 0        |
| 03:00                | 2              | 0            | 62         | 9          | 0        | 0         | 0          | 0           | 0           | 0          | 0          | 1         | 0         | 0        | 0        | 1        |
| 04:00                | 2              | 0            | 48         | 5          | 0        | 0         | 0          | 0           | 0           | 1          | 0          | 1         | 0         | 0        | 0        | 0        |
| 05:00                | 13             | 45           | 42         | 4          | 0        | 0         | 0          | 1           | 5           | 5          | 2          | 0         | 0         | 0        | 0        | 0        |
| 06:00                | 48             | 50           | 43         | 7          | 0        | 0         | 0          | 7           | 13          | 14         | 9          | 2         | 3         | 0        | 0        | 0        |
| 07:00                | 227            | 46           | 40         | 6          | 0        | 0         | 7          | 37          | 107         | 44         | 24         | 5         | 2         | 1        | 0        | 0        |
| <b>08:00</b>         | <b>401</b>     | <b>42</b>    | <b>38</b>  | <b>5</b>   | <b>0</b> | <b>1</b>  | <b>13</b>  | <b>133</b>  | <b>181</b>  | <b>63</b>  | <b>5</b>   | <b>4</b>  | <b>0</b>  | <b>1</b> | <b>0</b> | <b>0</b> |
| 09:00                | 276            | 41           | 37         | 5          | 0        | 1         | 17         | 96          | 118         | 34         | 8          | 2         | 0         | 0        | 0        | 0        |
| 10:00                | 231            | 40           | 36         | 5          | 0        | 4         | 18         | 91          | 97          | 18         | 2          | 1         | 0         | 0        | 0        | 0        |
| 11:00                | 221            | 42           | 37         | 5          | 0        | 1         | 10         | 79          | 92          | 32         | 4          | 2         | 1         | 0        | 0        | 0        |
| 12:00                | 293            | 42           | 37         | 5          | 0        | 5         | 18         | 101         | 119         | 43         | 7          | 0         | 0         | 0        | 0        | 0        |
| 13:00                | 283            | 44           | 39         | 5          | 0        | 0         | 7          | 74          | 115         | 70         | 15         | 1         | 1         | 0        | 0        | 0        |
| 14:00                | 296            | 41           | 36         | 6          | 0        | 3         | 33         | 90          | 126         | 34         | 7          | 2         | 1         | 0        | 0        | 0        |
| <b>15:00</b>         | <b>339</b>     | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>1</b>  | <b>23</b>  | <b>101</b>  | <b>140</b>  | <b>52</b>  | <b>16</b>  | <b>5</b>  | <b>1</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| 16:00                | 333            | 43           | 38         | 5          | 0        | 2         | 21         | 93          | 136         | 68         | 10         | 2         | 1         | 0        | 0        | 0        |
| 17:00                | 311            | 42           | 37         | 6          | 0        | 2         | 21         | 84          | 146         | 43         | 10         | 4         | 1         | 0        | 0        | 0        |
| 18:00                | 232            | 44           | 39         | 6          | 1        | 0         | 5          | 63          | 98          | 45         | 13         | 3         | 4         | 0        | 0        | 0        |
| 19:00                | 148            | 44           | 38         | 7          | 0        | 0         | 9          | 46          | 55          | 22         | 8          | 5         | 2         | 1        | 0        | 0        |
| 20:00                | 96             | 45           | 40         | 6          | 0        | 0         | 1          | 25          | 37          | 23         | 7          | 2         | 0         | 0        | 1        | 0        |
| 21:00                | 60             | 41           | 37         | 4          | 0        | 0         | 2          | 21          | 28          | 7          | 2          | 0         | 0         | 0        | 0        | 0        |
| 22:00                | 39             | 51           | 42         | 7          | 0        | 0         | 1          | 6           | 14          | 7          | 5          | 6         | 0         | 0        | 0        | 0        |
| 23:00                | 36             | 47           | 40         | 7          | 0        | 0         | 2          | 9           | 9           | 9          | 5          | 2         | 0         | 0        | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3443</b>    | <b>43</b>    | <b>38</b>  | <b>5</b>   | <b>1</b> | <b>20</b> | <b>193</b> | <b>1042</b> | <b>1475</b> | <b>546</b> | <b>121</b> | <b>31</b> | <b>12</b> | <b>2</b> | <b>0</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>3795</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>1</b> | <b>20</b> | <b>205</b> | <b>1141</b> | <b>1608</b> | <b>612</b> | <b>147</b> | <b>40</b> | <b>17</b> | <b>3</b> | <b>1</b> | <b>0</b> |
| <b>18H(6-24)</b>     | <b>3870</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>1</b> | <b>20</b> | <b>208</b> | <b>1156</b> | <b>1631</b> | <b>628</b> | <b>157</b> | <b>48</b> | <b>17</b> | <b>3</b> | <b>1</b> | <b>0</b> |
| <b>24H(0-24)</b>     | <b>3909</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>1</b> | <b>20</b> | <b>209</b> | <b>1164</b> | <b>1640</b> | <b>641</b> | <b>160</b> | <b>52</b> | <b>17</b> | <b>3</b> | <b>1</b> | <b>1</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56    | 56-<61   | 61-<66   | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|-----------|----------|----------|----------|----------|
| <b>14 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |           |          |          |          |          |
| 00:00                | 9              | 0            | 44         | 9          | 0        | 0         | 1          | 1          | 1           | 1          | 3          | 2         | 0        | 0        | 0        | 0        |
| 01:00                | 3              | 0            | 47         | 12         | 0        | 0         | 0          | 1          | 0           | 1          | 0          | 0         | 0        | 1        | 0        | 0        |
| 02:00                | 3              | 0            | 47         | 6          | 0        | 0         | 0          | 0          | 1           | 0          | 1          | 1         | 0        | 0        | 0        | 0        |
| 03:00                | 2              | 0            | 44         | 0          | 0        | 0         | 0          | 0          | 0           | 2          | 0          | 0         | 0        | 0        | 0        | 0        |
| 04:00                | 5              | 0            | 42         | 4          | 0        | 0         | 0          | 0          | 2           | 2          | 1          | 0         | 0        | 0        | 0        | 0        |
| 05:00                | 7              | 0            | 41         | 7          | 0        | 0         | 0          | 3          | 1           | 1          | 1          | 1         | 0        | 0        | 0        | 0        |
| 06:00                | 18             | 50           | 43         | 9          | 0        | 0         | 0          | 5          | 3           | 3          | 5          | 0         | 1        | 1        | 0        | 0        |
| 07:00                | 59             | 48           | 41         | 6          | 0        | 0         | 1          | 11         | 18          | 17         | 8          | 3         | 1        | 0        | 0        | 0        |
| 08:00                | 128            | 45           | 39         | 7          | 0        | 0         | 6          | 35         | 45          | 28         | 9          | 3         | 1        | 0        | 0        | 1        |
| 09:00                | 210            | 43           | 37         | 6          | 0        | 1         | 21         | 59         | 86          | 29         | 12         | 2         | 0        | 0        | 0        | 0        |
| <b>10:00</b>         | <b>223</b>     | <b>42</b>    | <b>37</b>  | <b>6</b>   | <b>0</b> | <b>6</b>  | <b>7</b>   | <b>69</b>  | <b>103</b>  | <b>27</b>  | <b>11</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |
| 11:00                | 208            | 44           | 38         | 6          | 2        | 0         | 13         | 41         | 95          | 41         | 15         | 1         | 0        | 0        | 0        | 0        |
| 12:00                | 220            | 43           | 37         | 7          | 2        | 7         | 8          | 78         | 81          | 34         | 7          | 3         | 0        | 0        | 0        | 0        |
| <b>13:00</b>         | <b>246</b>     | <b>42</b>    | <b>37</b>  | <b>6</b>   | <b>0</b> | <b>1</b>  | <b>23</b>  | <b>73</b>  | <b>102</b>  | <b>36</b>  | <b>10</b>  | <b>1</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |
| 14:00                | 203            | 44           | 38         | 5          | 0        | 2         | 5          | 55         | 90          | 39         | 9          | 3         | 0        | 0        | 0        | 0        |
| 15:00                | 217            | 44           | 38         | 6          | 0        | 2         | 20         | 54         | 79          | 48         | 11         | 2         | 1        | 0        | 0        | 0        |
| 16:00                | 203            | 45           | 38         | 7          | 1        | 5         | 10         | 63         | 68          | 35         | 18         | 2         | 1        | 0        | 0        | 0        |
| 17:00                | 192            | 44           | 39         | 6          | 0        | 0         | 10         | 49         | 82          | 33         | 10         | 8         | 0        | 0        | 0        | 0        |
| 18:00                | 145            | 43           | 38         | 6          | 0        | 1         | 7          | 44         | 63          | 20         | 7          | 2         | 0        | 1        | 0        | 0        |
| 19:00                | 80             | 46           | 40         | 7          | 0        | 0         | 2          | 25         | 24          | 16         | 8          | 3         | 1        | 1        | 0        | 0        |
| 20:00                | 62             | 46           | 39         | 7          | 0        | 0         | 6          | 8          | 26          | 12         | 8          | 2         | 0        | 0        | 0        | 0        |
| 21:00                | 51             | 48           | 41         | 6          | 0        | 0         | 1          | 11         | 17          | 10         | 8          | 4         | 0        | 0        | 0        | 0        |
| 22:00                | 50             | 50           | 40         | 9          | 0        | 0         | 7          | 12         | 12          | 7          | 5          | 5         | 1        | 1        | 0        | 0        |
| 23:00                | 45             | 49           | 40         | 10         | 0        | 0         | 3          | 15         | 13          | 5          | 3          | 2         | 0        | 4        | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2254</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>5</b> | <b>25</b> | <b>131</b> | <b>631</b> | <b>912</b>  | <b>387</b> | <b>127</b> | <b>30</b> | <b>4</b> | <b>1</b> | <b>0</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>2465</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>5</b> | <b>25</b> | <b>140</b> | <b>680</b> | <b>982</b>  | <b>428</b> | <b>156</b> | <b>39</b> | <b>6</b> | <b>3</b> | <b>0</b> | <b>1</b> |
| <b>18H(6-24)</b>     | <b>2560</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>5</b> | <b>25</b> | <b>150</b> | <b>707</b> | <b>1007</b> | <b>440</b> | <b>164</b> | <b>46</b> | <b>7</b> | <b>8</b> | <b>0</b> | <b>1</b> |
| <b>24H(0-24)</b>     | <b>2589</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>5</b> | <b>25</b> | <b>151</b> | <b>712</b> | <b>1012</b> | <b>447</b> | <b>170</b> | <b>50</b> | <b>7</b> | <b>9</b> | <b>0</b> | <b>1</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>15 March 2020</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 00:00                | 26             | 48           | 40         | 6          | 0      | 0      | 0      | 8      | 7      | 5      | 5      | 1      | 0      | 0      | 0      | 0    |
| 01:00                | 7              | 0            | 44         | 7          | 0      | 0      | 0      | 0      | 4      | 1      | 1      | 0      | 1      | 0      | 0      | 0    |
| 02:00                | 2              | 0            | 44         | 0          | 0      | 0      | 0      | 0      | 0      | 2      | 0      | 0      | 0      | 0      | 0      | 0    |
| 03:00                | 0              | 0            | 0          | 0          | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0    |
| 04:00                | 2              | 0            | 56         | 2          | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1      | 1      | 0      | 0      | 0    |
| 05:00                | 5              | 0            | 38         | 7          | 0      | 0      | 1      | 0      | 3      | 0      | 1      | 0      | 0      | 0      | 0      | 0    |
| 06:00                | 11             | 55           | 46         | 11         | 0      | 0      | 1      | 2      | 0      | 2      | 3      | 1      | 1      | 1      | 0      | 0    |
| 07:00                | 23             | 48           | 40         | 7          | 0      | 0      | 1      | 6      | 9      | 1      | 5      | 1      | 0      | 0      | 0      | 0    |
| 08:00                | 53             | 47           | 41         | 6          | 0      | 0      | 2      | 8      | 20     | 12     | 9      | 2      | 0      | 0      | 0      | 0    |
| 09:00                | 114            | 46           | 39         | 7          | 0      | 1      | 4      | 28     | 40     | 25     | 11     | 3      | 1      | 1      | 0      | 0    |
| 10:00                | 150            | 45           | 39         | 7          | 0      | 3      | 8      | 30     | 58     | 32     | 16     | 3      | 0      | 0      | 0      | 0    |
| 11:00                | 167            | 44           | 38         | 6          | 0      | 2      | 13     | 42     | 68     | 25     | 13     | 3      | 1      | 0      | 0      | 0    |
| 12:00                | 181            | 43           | 38         | 5          | 0      | 1      | 11     | 45     | 87     | 29     | 7      | 0      | 0      | 1      | 0      | 0    |
| 13:00                | 164            | 44           | 38         | 5          | 0      | 0      | 8      | 45     | 68     | 30     | 10     | 3      | 0      | 0      | 0      | 0    |
| 14:00                | 167            | 45           | 39         | 6          | 1      | 1      | 4      | 47     | 62     | 34     | 13     | 2      | 3      | 0      | 0      | 0    |
| 15:00                | 168            | 45           | 39         | 6          | 0      | 1      | 8      | 41     | 66     | 36     | 14     | 1      | 0      | 1      | 0      | 0    |
| 16:00                | 149            | 44           | 39         | 6          | 1      | 1      | 5      | 29     | 70     | 30     | 11     | 2      | 0      | 0      | 0      | 0    |
| 17:00                | 152            | 45           | 40         | 6          | 0      | 0      | 5      | 23     | 68     | 37     | 11     | 4      | 3      | 0      | 1      | 0    |
| 18:00                | 115            | 46           | 40         | 7          | 0      | 1      | 5      | 21     | 47     | 25     | 11     | 3      | 2      | 0      | 0      | 0    |
| 19:00                | 90             | 46           | 38         | 7          | 0      | 0      | 8      | 33     | 24     | 12     | 9      | 2      | 1      | 1      | 0      | 0    |
| 20:00                | 62             | 45           | 39         | 5          | 0      | 0      | 1      | 14     | 29     | 10     | 7      | 1      | 0      | 0      | 0      | 0    |
| 21:00                | 27             | 45           | 38         | 8          | 0      | 0      | 3      | 8      | 9      | 3      | 2      | 1      | 0      | 1      | 0      | 0    |
| 22:00                | 48             | 43           | 37         | 6          | 0      | 0      | 4      | 17     | 16     | 7      | 3      | 0      | 1      | 0      | 0      | 0    |
| 23:00                | 12             | 54           | 44         | 10         | 0      | 0      | 0      | 2      | 4      | 2      | 2      | 0      | 1      | 0      | 1      | 0    |
| 12H(7-19)            | 1603           | 45           | 39         | 6          | 2      | 11     | 74     | 365    | 663    | 316    | 131    | 27     | 10     | 3      | 1      | 0    |
| 16H(6-22)            | 1793           | 45           | 39         | 6          | 2      | 11     | 87     | 422    | 725    | 343    | 152    | 32     | 12     | 6      | 1      | 0    |
| 18H(6-24)            | 1853           | 45           | 39         | 6          | 2      | 11     | 91     | 441    | 745    | 352    | 157    | 32     | 14     | 6      | 2      | 0    |
| 24H(0-24)            | 1895           | 45           | 39         | 6          | 2      | 11     | 92     | 449    | 759    | 360    | 164    | 34     | 16     | 6      | 2      | 0    |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56    | 56-<61    | 61-<66   | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|-----------|-----------|----------|----------|----------|
| <b>16 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |           |           |          |          |          |
| 00:00                | 10             | 54           | 48         | 9          | 0        | 0         | 0          | 0          | 3           | 1          | 2          | 3         | 0         | 0        | 1        | 0        |
| 01:00                | 3              | 0            | 47         | 8          | 0        | 0         | 0          | 0          | 1           | 1          | 0          | 0         | 1         | 0        | 0        | 0        |
| 02:00                | 0              | 0            | 0          | 0          | 0        | 0         | 0          | 0          | 0           | 0          | 0          | 0         | 0         | 0        | 0        | 0        |
| 03:00                | 3              | 0            | 50         | 9          | 0        | 0         | 0          | 0          | 0           | 2          | 0          | 0         | 0         | 1        | 0        | 0        |
| 04:00                | 2              | 0            | 54         | 5          | 0        | 0         | 0          | 0          | 0           | 0          | 1          | 0         | 1         | 0        | 0        | 0        |
| 05:00                | 19             | 50           | 44         | 7          | 0        | 0         | 0          | 2          | 5           | 5          | 5          | 1         | 0         | 1        | 0        | 0        |
| 06:00                | 33             | 50           | 42         | 9          | 0        | 0         | 1          | 8          | 9           | 6          | 4          | 2         | 1         | 2        | 0        | 0        |
| 07:00                | 257            | 45           | 40         | 5          | 0        | 0         | 4          | 40         | 110         | 75         | 17         | 8         | 3         | 0        | 0        | 0        |
| <b>08:00</b>         | <b>411</b>     | <b>44</b>    | <b>39</b>  | <b>5</b>   | <b>0</b> | <b>2</b>  | <b>10</b>  | <b>86</b>  | <b>204</b>  | <b>89</b>  | <b>19</b>  | <b>1</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| 09:00                | 286            | 44           | 38         | 6          | 0        | 1         | 19         | 59         | 127         | 60         | 17         | 3         | 0         | 0        | 0        | 0        |
| 10:00                | 218            | 43           | 36         | 7          | 1        | 4         | 30         | 78         | 62          | 31         | 9          | 1         | 2         | 0        | 0        | 0        |
| 11:00                | 219            | 42           | 35         | 7          | 1        | 9         | 29         | 77         | 66          | 28         | 7          | 0         | 2         | 0        | 0        | 0        |
| 12:00                | 253            | 42           | 36         | 6          | 1        | 4         | 32         | 78         | 90          | 35         | 12         | 1         | 0         | 0        | 0        | 0        |
| 13:00                | 240            | 41           | 37         | 5          | 1        | 3         | 12         | 78         | 107         | 34         | 5          | 0         | 0         | 0        | 0        | 0        |
| 14:00                | 263            | 42           | 36         | 7          | 0        | 12        | 19         | 80         | 106         | 30         | 15         | 1         | 0         | 0        | 0        | 0        |
| 15:00                | 289            | 43           | 37         | 7          | 0        | 7         | 22         | 91         | 107         | 44         | 13         | 4         | 1         | 0        | 0        | 0        |
| <b>16:00</b>         | <b>338</b>     | <b>43</b>    | <b>38</b>  | <b>5</b>   | <b>0</b> | <b>2</b>  | <b>13</b>  | <b>85</b>  | <b>157</b>  | <b>64</b>  | <b>14</b>  | <b>3</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| <b>17:00</b>         | <b>338</b>     | <b>44</b>    | <b>38</b>  | <b>5</b>   | <b>0</b> | <b>2</b>  | <b>15</b>  | <b>79</b>  | <b>139</b>  | <b>87</b>  | <b>15</b>  | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>1</b> |
| 18:00                | 245            | 44           | 38         | 5          | 0        | 0         | 11         | 65         | 97          | 61         | 7          | 3         | 1         | 0        | 0        | 0        |
| 19:00                | 133            | 43           | 37         | 6          | 0        | 1         | 11         | 49         | 42          | 23         | 5          | 1         | 1         | 0        | 0        | 0        |
| 20:00                | 64             | 44           | 39         | 7          | 0        | 1         | 3          | 16         | 28          | 10         | 1          | 4         | 0         | 0        | 1        | 0        |
| 21:00                | 50             | 46           | 40         | 7          | 0        | 0         | 7          | 6          | 13          | 16         | 7          | 0         | 1         | 0        | 0        | 0        |
| 22:00                | 42             | 50           | 41         | 8          | 0        | 1         | 1          | 7          | 16          | 6          | 6          | 4         | 1         | 0        | 0        | 0        |
| 23:00                | 23             | 41           | 38         | 5          | 0        | 0         | 0          | 10         | 9           | 1          | 2          | 1         | 0         | 0        | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3357</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>4</b> | <b>46</b> | <b>216</b> | <b>896</b> | <b>1372</b> | <b>638</b> | <b>150</b> | <b>25</b> | <b>9</b>  | <b>0</b> | <b>0</b> | <b>1</b> |
| <b>16H(6-22)</b>     | <b>3637</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>4</b> | <b>48</b> | <b>238</b> | <b>975</b> | <b>1464</b> | <b>693</b> | <b>167</b> | <b>32</b> | <b>12</b> | <b>2</b> | <b>1</b> | <b>1</b> |
| <b>18H(6-24)</b>     | <b>3702</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>4</b> | <b>49</b> | <b>239</b> | <b>992</b> | <b>1489</b> | <b>700</b> | <b>175</b> | <b>37</b> | <b>13</b> | <b>2</b> | <b>1</b> | <b>1</b> |
| <b>24H(0-24)</b>     | <b>3739</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>4</b> | <b>49</b> | <b>239</b> | <b>994</b> | <b>1498</b> | <b>709</b> | <b>183</b> | <b>41</b> | <b>15</b> | <b>4</b> | <b>2</b> | <b>1</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36      | 36-<41      | 41-<46     | 46-<51     | 51-<56    | 56-<61    | 61-<66   | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|-------------|-------------|------------|------------|-----------|-----------|----------|----------|----------|
| <b>17 March 2020</b> |                |              |            |            |          |           |            |             |             |            |            |           |           |          |          |          |
| 00:00                | 4              | 0            | 46         | 6          | 0        | 0         | 0          | 0           | 1           | 1          | 1          | 1         | 0         | 0        | 0        | 0        |
| 01:00                | 2              | 0            | 46         | 2          | 0        | 0         | 0          | 0           | 0           | 1          | 1          | 0         | 0         | 0        | 0        | 0        |
| 02:00                | 3              | 0            | 50         | 6          | 0        | 0         | 0          | 0           | 0           | 1          | 1          | 0         | 1         | 0        | 0        | 0        |
| 03:00                | 2              | 0            | 44         | 5          | 0        | 0         | 0          | 0           | 1           | 0          | 1          | 0         | 0         | 0        | 0        | 0        |
| 04:00                | 3              | 0            | 48         | 17         | 0        | 0         | 0          | 1           | 1           | 0          | 0          | 0         | 0         | 0        | 0        | 1        |
| 05:00                | 19             | 49           | 42         | 8          | 0        | 0         | 1          | 4           | 3           | 4          | 6          | 0         | 1         | 0        | 0        | 0        |
| 06:00                | 51             | 51           | 44         | 8          | 0        | 0         | 0          | 5           | 18          | 14         | 6          | 3         | 3         | 2        | 0        | 0        |
| 07:00                | 218            | 45           | 40         | 5          | 0        | 0         | 1          | 47          | 86          | 58         | 21         | 4         | 1         | 0        | 0        | 0        |
| <b>08:00</b>         | <b>401</b>     | <b>42</b>    | <b>36</b>  | <b>7</b>   | <b>1</b> | <b>14</b> | <b>43</b>  | <b>118</b>  | <b>155</b>  | <b>60</b>  | <b>7</b>   | <b>3</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| 09:00                | 238            | 40           | 35         | 5          | 0        | 3         | 17         | 115         | 80          | 21         | 1          | 1         | 0         | 0        | 0        | 0        |
| 10:00                | 213            | 42           | 37         | 6          | 0        | 2         | 21         | 65          | 87          | 31         | 6          | 1         | 0         | 0        | 0        | 0        |
| 11:00                | 212            | 42           | 37         | 6          | 0        | 3         | 19         | 69          | 85          | 22         | 12         | 2         | 0         | 0        | 0        | 0        |
| 12:00                | 206            | 44           | 38         | 6          | 0        | 1         | 14         | 60          | 82          | 32         | 15         | 2         | 0         | 0        | 0        | 0        |
| 13:00                | 212            | 42           | 37         | 5          | 0        | 2         | 6          | 69          | 98          | 28         | 8          | 1         | 0         | 0        | 0        | 0        |
| 14:00                | 242            | 40           | 36         | 5          | 0        | 1         | 31         | 81          | 104         | 23         | 1          | 1         | 0         | 0        | 0        | 0        |
| 15:00                | 271            | 42           | 37         | 5          | 0        | 0         | 20         | 86          | 117         | 36         | 9          | 3         | 0         | 0        | 0        | 0        |
| <b>16:00</b>         | <b>321</b>     | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>3</b>  | <b>19</b>  | <b>100</b>  | <b>111</b>  | <b>70</b>  | <b>16</b>  | <b>1</b>  | <b>1</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| 17:00                | 303            | 44           | 39         | 5          | 0        | 0         | 12         | 68          | 138         | 62         | 20         | 3         | 0         | 0        | 0        | 0        |
| 18:00                | 196            | 44           | 38         | 5          | 0        | 0         | 6          | 55          | 89          | 32         | 13         | 0         | 1         | 0        | 0        | 0        |
| 19:00                | 99             | 44           | 38         | 6          | 0        | 0         | 6          | 33          | 33          | 18         | 6          | 2         | 0         | 0        | 1        | 0        |
| 20:00                | 78             | 48           | 41         | 6          | 0        | 0         | 3          | 13          | 21          | 23         | 14         | 4         | 0         | 0        | 0        | 0        |
| 21:00                | 44             | 51           | 42         | 10         | 0        | 0         | 4          | 7           | 13          | 6          | 7          | 2         | 2         | 2        | 0        | 1        |
| 22:00                | 35             | 46           | 40         | 11         | 0        | 1         | 3          | 7           | 9           | 10         | 1          | 1         | 0         | 1        | 2        | 0        |
| 23:00                | 9              | 0            | 35         | 6          | 0        | 0         | 2          | 3           | 3           | 1          | 0          | 0         | 0         | 0        | 0        | 0        |
| <b>12H(7-19)</b>     | <b>3033</b>    | <b>43</b>    | <b>37</b>  | <b>6</b>   | <b>1</b> | <b>29</b> | <b>209</b> | <b>933</b>  | <b>1232</b> | <b>475</b> | <b>129</b> | <b>22</b> | <b>3</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>3305</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>1</b> | <b>29</b> | <b>222</b> | <b>991</b>  | <b>1317</b> | <b>536</b> | <b>162</b> | <b>33</b> | <b>8</b>  | <b>4</b> | <b>1</b> | <b>1</b> |
| <b>18H(6-24)</b>     | <b>3349</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>1</b> | <b>30</b> | <b>227</b> | <b>1001</b> | <b>1329</b> | <b>547</b> | <b>163</b> | <b>34</b> | <b>8</b>  | <b>5</b> | <b>3</b> | <b>1</b> |
| <b>24H(0-24)</b>     | <b>3382</b>    | <b>43</b>    | <b>38</b>  | <b>6</b>   | <b>1</b> | <b>30</b> | <b>228</b> | <b>1006</b> | <b>1335</b> | <b>554</b> | <b>173</b> | <b>35</b> | <b>10</b> | <b>5</b> | <b>3</b> | <b>2</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56    | 56-<61    | 61-<66    | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|-----------|-----------|-----------|----------|----------|
| <b>18 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |           |           |           |          |          |
| 00:00                | 4              | 0            | 47         | 7          | 0        | 0         | 0          | 0          | 1           | 1          | 1          | 0         | 1         | 0         | 0        | 0        |
| 01:00                | 3              | 0            | 52         | 8          | 0        | 0         | 0          | 0          | 0           | 1          | 1          | 0         | 0         | 1         | 0        | 0        |
| 02:00                | 1              | 0            | 38         | 0          | 0        | 0         | 0          | 0          | 1           | 0          | 0          | 0         | 0         | 0         | 0        | 0        |
| 03:00                | 1              | 0            | 38         | 0          | 0        | 0         | 0          | 0          | 1           | 0          | 0          | 0         | 0         | 0         | 0        | 0        |
| 04:00                | 4              | 0            | 47         | 15         | 0        | 0         | 0          | 1          | 1           | 1          | 0          | 0         | 0         | 0         | 0        | 1        |
| 05:00                | 14             | 52           | 43         | 8          | 0        | 0         | 0          | 3          | 4           | 3          | 1          | 2         | 1         | 0         | 0        | 0        |
| 06:00                | 50             | 52           | 45         | 7          | 0        | 0         | 0          | 4          | 11          | 17         | 9          | 4         | 3         | 2         | 0        | 0        |
| 07:00                | 226            | 47           | 40         | 6          | 0        | 0         | 7          | 46         | 75          | 58         | 31         | 8         | 1         | 0         | 0        | 0        |
| <b>08:00</b>         | <b>370</b>     | <b>42</b>    | <b>38</b>  | <b>5</b>   | <b>0</b> | <b>1</b>  | <b>17</b>  | <b>106</b> | <b>177</b>  | <b>56</b>  | <b>11</b>  | <b>2</b>  | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 09:00                | 233            | 43           | 37         | 6          | 0        | 2         | 17         | 73         | 91          | 39         | 8          | 1         | 2         | 0         | 0        | 0        |
| 10:00                | 180            | 41           | 36         | 7          | 0        | 1         | 23         | 68         | 62          | 14         | 8          | 2         | 0         | 2         | 0        | 0        |
| 11:00                | 201            | 42           | 37         | 5          | 0        | 3         | 14         | 55         | 90          | 35         | 3          | 1         | 0         | 0         | 0        | 0        |
| 12:00                | 184            | 42           | 37         | 5          | 0        | 1         | 13         | 70         | 69          | 25         | 1          | 5         | 0         | 0         | 0        | 0        |
| 13:00                | 183            | 44           | 38         | 5          | 0        | 1         | 8          | 41         | 82          | 43         | 6          | 2         | 0         | 0         | 0        | 0        |
| 14:00                | 189            | 45           | 38         | 7          | 0        | 5         | 7          | 57         | 71          | 25         | 19         | 4         | 0         | 1         | 0        | 0        |
| 15:00                | 246            | 44           | 39         | 5          | 0        | 0         | 7          | 64         | 114         | 47         | 10         | 2         | 0         | 2         | 0        | 0        |
| <b>16:00</b>         | <b>286</b>     | <b>45</b>    | <b>39</b>  | <b>5</b>   | <b>0</b> | <b>1</b>  | <b>5</b>   | <b>58</b>  | <b>125</b>  | <b>72</b>  | <b>19</b>  | <b>5</b>  | <b>1</b>  | <b>0</b>  | <b>0</b> | <b>0</b> |
| 17:00                | 268            | 44           | 39         | 6          | 0        | 2         | 7          | 50         | 120         | 70         | 14         | 1         | 4         | 0         | 0        | 0        |
| 18:00                | 151            | 45           | 40         | 7          | 0        | 0         | 4          | 37         | 53          | 42         | 9          | 1         | 2         | 1         | 2        | 0        |
| 19:00                | 90             | 45           | 39         | 7          | 0        | 0         | 6          | 22         | 36          | 16         | 6          | 2         | 1         | 1         | 0        | 0        |
| 20:00                | 57             | 48           | 42         | 9          | 0        | 0         | 3          | 9          | 19          | 14         | 6          | 3         | 1         | 0         | 1        | 1        |
| 21:00                | 52             | 48           | 41         | 10         | 0        | 0         | 4          | 16         | 11          | 11         | 4          | 2         | 1         | 1         | 0        | 2        |
| 22:00                | 32             | 47           | 39         | 8          | 0        | 0         | 4          | 6          | 10          | 6          | 4          | 1         | 0         | 1         | 0        | 0        |
| 23:00                | 14             | 48           | 40         | 8          | 0        | 0         | 2          | 1          | 6           | 1          | 3          | 1         | 0         | 0         | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2717</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>17</b> | <b>129</b> | <b>725</b> | <b>1129</b> | <b>526</b> | <b>139</b> | <b>34</b> | <b>10</b> | <b>6</b>  | <b>2</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>2966</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>17</b> | <b>142</b> | <b>776</b> | <b>1206</b> | <b>584</b> | <b>164</b> | <b>45</b> | <b>16</b> | <b>10</b> | <b>3</b> | <b>3</b> |
| <b>18H(6-24)</b>     | <b>3012</b>    | <b>44</b>    | <b>39</b>  | <b>6</b>   | <b>0</b> | <b>17</b> | <b>148</b> | <b>783</b> | <b>1222</b> | <b>591</b> | <b>171</b> | <b>47</b> | <b>16</b> | <b>11</b> | <b>3</b> | <b>3</b> |
| <b>24H(0-24)</b>     | <b>3039</b>    | <b>44</b>    | <b>39</b>  | <b>6</b>   | <b>0</b> | <b>17</b> | <b>148</b> | <b>787</b> | <b>1230</b> | <b>597</b> | <b>174</b> | <b>49</b> | <b>18</b> | <b>12</b> | <b>3</b> | <b>4</b> |

25064

NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period          | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph   | 11-<21    | 21-<31     | 31-<36     | 36-<41      | 41-<46     | 46-<51     | 51-<56    | 56-<61    | 61-<66   | 66-<71   | =>71     |
|----------------------|----------------|--------------|------------|------------|----------|-----------|------------|------------|-------------|------------|------------|-----------|-----------|----------|----------|----------|
| <b>19 March 2020</b> |                |              |            |            |          |           |            |            |             |            |            |           |           |          |          |          |
| 00:00                | 1              | 0            | 38         | 0          | 0        | 0         | 0          | 0          | 1           | 0          | 0          | 0         | 0         | 0        | 0        | 0        |
| 01:00                | 4              | 0            | 48         | 5          | 0        | 0         | 0          | 0          | 0           | 2          | 0          | 2         | 0         | 0        | 0        | 0        |
| 02:00                | 1              | 0            | 44         | 0          | 0        | 0         | 0          | 0          | 0           | 1          | 0          | 0         | 0         | 0        | 0        | 0        |
| 03:00                | 2              | 0            | 34         | 0          | 0        | 0         | 0          | 2          | 0           | 0          | 0          | 0         | 0         | 0        | 0        | 0        |
| 04:00                | 4              | 0            | 47         | 13         | 0        | 0         | 0          | 1          | 1           | 0          | 1          | 0         | 0         | 0        | 1        | 0        |
| 05:00                | 10             | 44           | 40         | 6          | 0        | 0         | 0          | 2          | 4           | 3          | 0          | 1         | 0         | 0        | 0        | 0        |
| 06:00                | 43             | 50           | 43         | 7          | 0        | 0         | 0          | 8          | 10          | 13         | 6          | 3         | 3         | 0        | 0        | 0        |
| 07:00                | 183            | 46           | 40         | 6          | 0        | 0         | 8          | 41         | 58          | 48         | 21         | 6         | 0         | 1        | 0        | 0        |
| <b>08:00</b>         | <b>337</b>     | <b>43</b>    | <b>38</b>  | <b>5</b>   | <b>0</b> | <b>4</b>  | <b>17</b>  | <b>73</b>  | <b>173</b>  | <b>51</b>  | <b>16</b>  | <b>3</b>  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| 09:00                | 202            | 42           | 37         | 5          | 0        | 0         | 15         | 73         | 78          | 26         | 7          | 3         | 0         | 0        | 0        | 0        |
| 10:00                | 164            | 42           | 37         | 5          | 0        | 0         | 7          | 69         | 56          | 23         | 7          | 0         | 1         | 1        | 0        | 0        |
| 11:00                | 183            | 43           | 37         | 6          | 0        | 1         | 14         | 59         | 65          | 37         | 6          | 1         | 0         | 0        | 0        | 0        |
| 12:00                | 173            | 44           | 38         | 6          | 0        | 2         | 7          | 42         | 78          | 31         | 11         | 2         | 0         | 0        | 0        | 0        |
| 13:00                | 163            | 44           | 37         | 6          | 0        | 0         | 21         | 44         | 58          | 26         | 11         | 2         | 1         | 0        | 0        | 0        |
| 14:00                | 196            | 44           | 38         | 6          | 0        | 1         | 12         | 63         | 72          | 32         | 12         | 4         | 0         | 0        | 0        | 0        |
| 15:00                | 202            | 43           | 37         | 6          | 0        | 3         | 14         | 50         | 92          | 36         | 4          | 2         | 0         | 1        | 0        | 0        |
| 16:00                | 246            | 45           | 39         | 6          | 0        | 1         | 10         | 66         | 101         | 42         | 17         | 7         | 2         | 0        | 0        | 0        |
| <b>17:00</b>         | <b>259</b>     | <b>44</b>    | <b>39</b>  | <b>6</b>   | <b>0</b> | <b>3</b>  | <b>8</b>   | <b>51</b>  | <b>125</b>  | <b>50</b>  | <b>16</b>  | <b>2</b>  | <b>4</b>  | <b>0</b> | <b>0</b> | <b>0</b> |
| 18:00                | 160            | 44           | 38         | 6          | 0        | 4         | 7          | 36         | 65          | 36         | 10         | 2         | 0         | 0        | 0        | 0        |
| 19:00                | 100            | 45           | 39         | 6          | 0        | 0         | 5          | 27         | 38          | 18         | 8          | 3         | 0         | 1        | 0        | 0        |
| 20:00                | 64             | 47           | 40         | 8          | 0        | 2         | 2          | 16         | 22          | 10         | 7          | 2         | 2         | 1        | 0        | 0        |
| 21:00                | 51             | 51           | 41         | 9          | 0        | 0         | 7          | 7          | 16          | 6          | 7          | 6         | 2         | 0        | 0        | 0        |
| 22:00                | 25             | 48           | 39         | 8          | 0        | 1         | 0          | 11         | 4           | 3          | 5          | 0         | 1         | 0        | 0        | 0        |
| 23:00                | 19             | 45           | 41         | 5          | 0        | 0         | 0          | 4          | 6           | 6          | 3          | 0         | 0         | 0        | 0        | 0        |
| <b>12H(7-19)</b>     | <b>2468</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>19</b> | <b>140</b> | <b>667</b> | <b>1021</b> | <b>438</b> | <b>138</b> | <b>34</b> | <b>8</b>  | <b>3</b> | <b>0</b> | <b>0</b> |
| <b>16H(6-22)</b>     | <b>2726</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>21</b> | <b>154</b> | <b>725</b> | <b>1107</b> | <b>485</b> | <b>166</b> | <b>48</b> | <b>15</b> | <b>5</b> | <b>0</b> | <b>0</b> |
| <b>18H(6-24)</b>     | <b>2770</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>22</b> | <b>154</b> | <b>740</b> | <b>1117</b> | <b>494</b> | <b>174</b> | <b>48</b> | <b>16</b> | <b>5</b> | <b>0</b> | <b>0</b> |
| <b>24H(0-24)</b>     | <b>2792</b>    | <b>44</b>    | <b>38</b>  | <b>6</b>   | <b>0</b> | <b>22</b> | <b>154</b> | <b>745</b> | <b>1123</b> | <b>500</b> | <b>175</b> | <b>51</b> | <b>16</b> | <b>5</b> | <b>1</b> | <b>0</b> |

25064

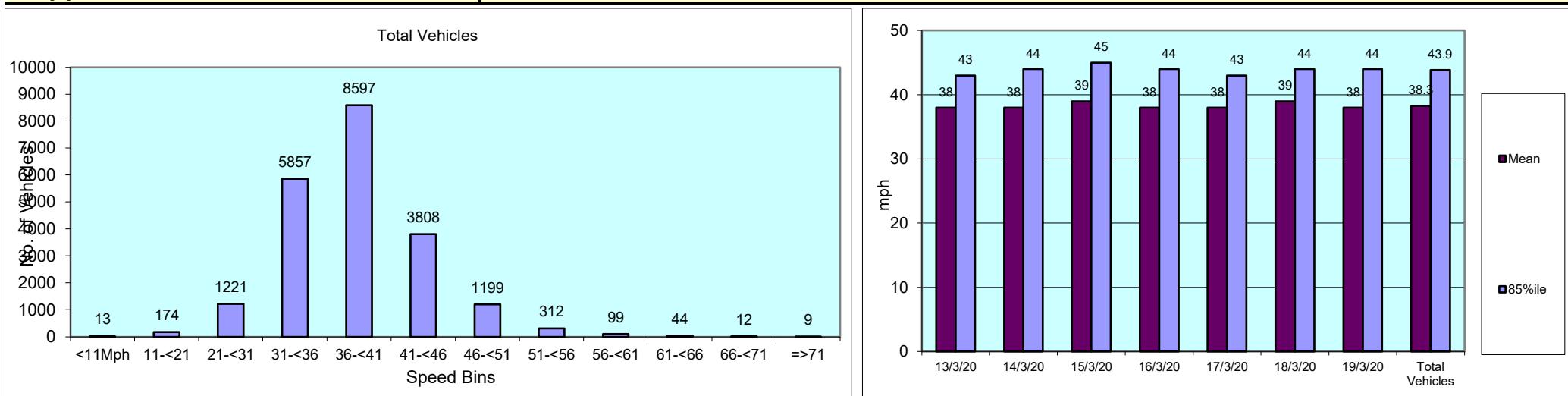
NORTON

Site No: 25064001

Location Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| Time Period           | Total Vehicles | 85%ile Speed | Mean Speed | Stand Dev. | <11Mph | 11-<21 | 21-<31 | 31-<36 | 36-<41 | 41-<46 | 46-<51 | 51-<56 | 56-<61 | 61-<66 | 66-<71 | =>71 |
|-----------------------|----------------|--------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| <b>Daily Totals</b>   |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| 13/3/20               | <b>3909</b>    | 43           | 38         | 6          | 1      | 20     | 209    | 1164   | 1640   | 641    | 160    | 52     | 17     | 3      | 1      | 1    |
| 14/3/20               | <b>2589</b>    | 44           | 38         | 6          | 5      | 25     | 151    | 712    | 1012   | 447    | 170    | 50     | 7      | 9      | 0      | 1    |
| 15/3/20               | <b>1895</b>    | 45           | 39         | 6          | 2      | 11     | 92     | 449    | 759    | 360    | 164    | 34     | 16     | 6      | 2      | 0    |
| 16/3/20               | <b>3739</b>    | 44           | 38         | 6          | 4      | 49     | 239    | 994    | 1498   | 709    | 183    | 41     | 15     | 4      | 2      | 1    |
| 17/3/20               | <b>3382</b>    | 43           | 38         | 6          | 1      | 30     | 228    | 1006   | 1335   | 554    | 173    | 35     | 10     | 5      | 3      | 2    |
| 18/3/20               | <b>3039</b>    | 44           | 39         | 6          | 0      | 17     | 148    | 787    | 1230   | 597    | 174    | 49     | 18     | 12     | 3      | 4    |
| 19/3/20               | <b>2792</b>    | 44           | 38         | 6          | 0      | 22     | 154    | 745    | 1123   | 500    | 175    | 51     | 16     | 5      | 1      | 0    |
| <b>Total Vehicles</b> |                |              |            |            |        |        |        |        |        |        |        |        |        |        |        |      |
| [--]                  | <b>21345</b>   | 43.9         | 38.3       | 6.0        | 13     | 174    | 1221   | 5857   | 8597   | 3808   | 1199   | 312    | 99     | 44     | 12     | 9    |



25064

NORTON

Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD                      | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day Ave.  | 7-Day Ave.  |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|-------------|
| <b>Week Begin: 13 March 2020</b> |                 |                 |                 |                 |                 |                 |                 |             |             |
| 00:00                            | 14              | 9               | 26              | 10              | 4               | 4               | 1               | 7           | 10          |
| 01:00                            | 3               | 3               | 7               | 3               | 2               | 3               | 4               | 3           | 4           |
| 02:00                            | 5               | 3               | 2               | 0               | 3               | 1               | 1               | 2           | 2           |
| 03:00                            | 2               | 2               | 0               | 3               | 2               | 1               | 2               | 2           | 2           |
| 04:00                            | 2               | 5               | 2               | 2               | 3               | 4               | 4               | 3           | 3           |
| 05:00                            | 13              | 7               | 5               | 19              | 19              | 14              | 10              | 15          | 12          |
| 06:00                            | 48              | 18              | 11              | 33              | 51              | 50              | 43              | 45          | 36          |
| 07:00                            | 227             | 59              | 23              | 257             | 218             | 226             | 183             | 222         | 170         |
| 08:00                            | 401             | 128             | 53              | 411             | 401             | 370             | 337             | 384         | 300         |
| 09:00                            | 276             | 210             | 114             | 286             | 238             | 233             | 202             | 247         | 223         |
| 10:00                            | 231             | 223             | 150             | 218             | 213             | 180             | 164             | 201         | 197         |
| 11:00                            | 221             | 208             | 167             | 219             | 212             | 201             | 183             | 207         | 202         |
| 12:00                            | 293             | 220             | 181             | 253             | 206             | 184             | 173             | 222         | 216         |
| 13:00                            | 283             | 246             | 164             | 240             | 212             | 183             | 163             | 216         | 213         |
| 14:00                            | 296             | 203             | 167             | 263             | 242             | 189             | 196             | 237         | 222         |
| 15:00                            | 339             | 217             | 168             | 289             | 271             | 246             | 202             | 269         | 247         |
| 16:00                            | 333             | 203             | 149             | 338             | 321             | 286             | 246             | 305         | 268         |
| 17:00                            | 311             | 192             | 152             | 338             | 303             | 268             | 259             | 296         | 260         |
| 18:00                            | 232             | 145             | 115             | 245             | 196             | 151             | 160             | 197         | 178         |
| 19:00                            | 148             | 80              | 90              | 133             | 99              | 90              | 100             | 114         | 106         |
| 20:00                            | 96              | 62              | 62              | 64              | 78              | 57              | 64              | 72          | 69          |
| 21:00                            | 60              | 51              | 27              | 50              | 44              | 52              | 51              | 51          | 48          |
| 22:00                            | 39              | 50              | 48              | 42              | 35              | 32              | 25              | 35          | 39          |
| 23:00                            | 36              | 45              | 12              | 23              | 9               | 14              | 19              | 20          | 23          |
| <b>12H(7-19)</b>                 | <b>3443</b>     | <b>2254</b>     | <b>1603</b>     | <b>3357</b>     | <b>3033</b>     | <b>2717</b>     | <b>2468</b>     | <b>3004</b> | <b>2696</b> |
| <b>16H(6-22)</b>                 | <b>3795</b>     | <b>2465</b>     | <b>1793</b>     | <b>3637</b>     | <b>3305</b>     | <b>2966</b>     | <b>2726</b>     | <b>3286</b> | <b>2955</b> |
| <b>18H(6-24)</b>                 | <b>3870</b>     | <b>2560</b>     | <b>1853</b>     | <b>3702</b>     | <b>3349</b>     | <b>3012</b>     | <b>2770</b>     | <b>3341</b> | <b>3017</b> |
| <b>24H(0-24)</b>                 | <b>3909</b>     | <b>2589</b>     | <b>1895</b>     | <b>3739</b>     | <b>3382</b>     | <b>3039</b>     | <b>2792</b>     | <b>3372</b> | <b>3049</b> |
| <b>AM</b>                        | <b>08:00</b>    | <b>10:00</b>    | <b>11:00</b>    | <b>08:00</b>    | <b>08:00</b>    | <b>08:00</b>    | <b>08:00</b>    |             |             |
| <b>Peak</b>                      | <b>401</b>      | <b>223</b>      | <b>167</b>      | <b>411</b>      | <b>401</b>      | <b>370</b>      | <b>337</b>      |             |             |
| <b>PM</b>                        | <b>15:00</b>    | <b>13:00</b>    | <b>12:00</b>    | <b>17:00</b>    | <b>16:00</b>    | <b>16:00</b>    | <b>17:00</b>    |             |             |
| <b>Peak</b>                      | <b>339</b>      | <b>246</b>      | <b>181</b>      | <b>338</b>      | <b>321</b>      | <b>286</b>      | <b>259</b>      |             |             |

25064

NORTON

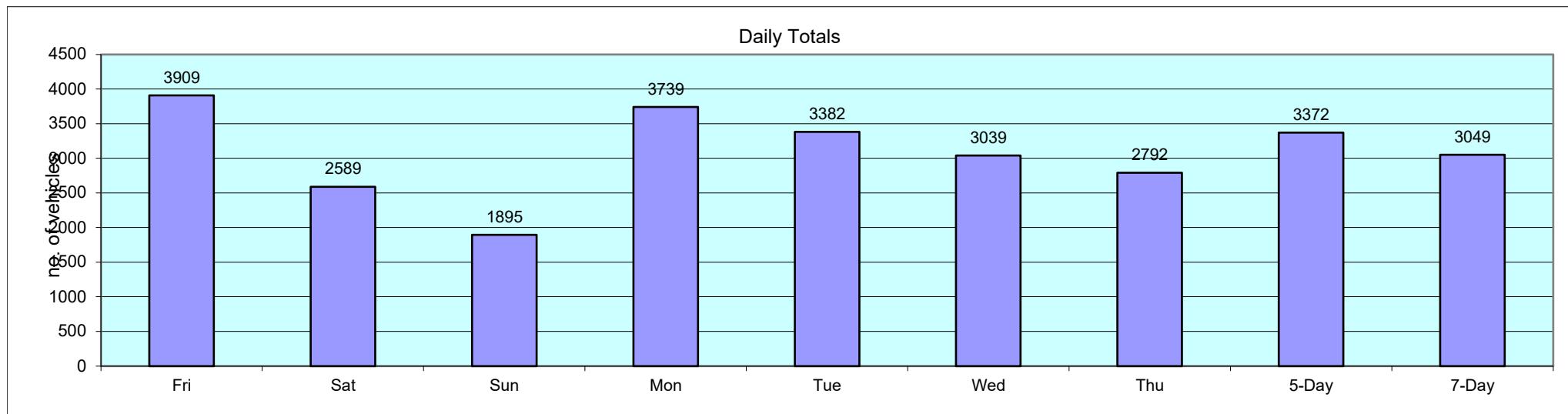
Site No: 25064001

Location

Site 1, Guarlford Road, Malvern (TG Pole)

Channel: Westbound

| TIME PERIOD | Fri<br>13/03/20 | Sat<br>14/03/20 | Sun<br>15/03/20 | Mon<br>16/03/20 | Tue<br>17/03/20 | Wed<br>18/03/20 | Thu<br>19/03/20 | 5-Day<br>Ave. | 7-Day<br>Ave. |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|

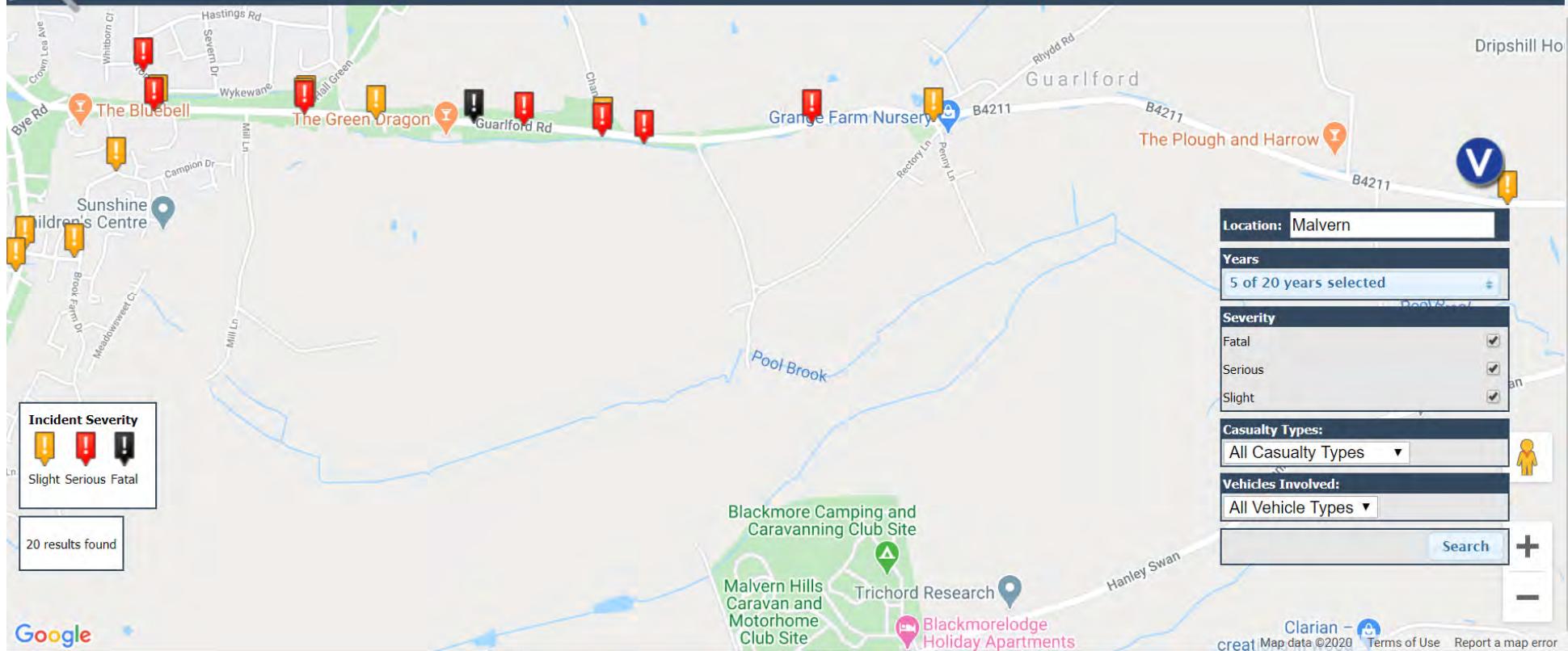


**T20504**  
Guarlford Road, Malvern



## Appendix B

### Crashmap Data

[More Information...](#)

## Appendix C

### Traffic Speed and Weather Data

**Project No: T20504**

**Project Name: Guarlford Road, Malvern**

Guarlford Road Speed Survey

(Weekday 07:00-19:00) 13th, 16th, 17th, 18th and 19th March 2020

**Site 1 Surevy (West of Mill Lane)**

| Direction | Volume | Speed | Total    | Direction | Volume | Speed | Total    |
|-----------|--------|-------|----------|-----------|--------|-------|----------|
| Eastbound | 3613   | 45    | 162585.0 | Westbound | 2995   | 47    | 140765.0 |
|           | 3301   | 45    | 148545.0 |           | 2878   | 47    | 135266.0 |
|           | 3000   | 45    | 135000.0 |           | 2646   | 46    | 121716.0 |
|           | 2470   | 46    | 113620.0 |           | 2327   | 48    | 111696.0 |
|           | 2273   | 46    | 104558.0 |           | 2149   | 49    | 105301.0 |
| Total     | 14657  |       | 664308.0 | Total     | 12995  |       | 614744.0 |

Average 85th Percentile Speed = 45.32359965

**Wet Weather Addition?**

Average 85th Percentile Speed = 47.30619469

**Wet Weather Addition?**

Dry Weather 85th Percentile Speed = 45.32359965

Dry Weather 85th Percentile Speed = 47.30619469

**Project No: T20504**

**Project Name: Guarlford Road, Malvern**

### **MfS Visibility Calculation**

ABOVE 60 KPH DESIGN/MEASURED SPEED

#### Para 10.1.5 MfS2

##### Eastbound

| Calculation Params | Speed Survey Result |
|--------------------|---------------------|
| v                  | 20.14382            |
| t                  | 2                   |
| d                  | 2.45                |
| a                  | 0 (gradient)        |

SSD = 123.1 m      **Vis required = 125.5 m**

##### Westbound

| Calculation Params | Speed Survey Result |
|--------------------|---------------------|
| v                  | 21.02498            |
| t                  | 2                   |
| d                  | 2.45                |
| a                  | 0 (gradient)        |

SSD = 132.3 m      **Vis required = 134.7 m**

**Note 1: Above 60kph calculation shows ABSOLUTE MINIMUM SSD**

**Note 2: For DESIRABLE MINIMUM SSD, change 'd' value to 2.45**

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Ross-on-Wye, England, United Kingdom (HR9 5AU) (weather/gb/ross-on-wye/51.91,-2.59) Solihull, England, United Kingdom (B91 2EE) (weather/gb/solihull/52.43,-1.79) Kingswinford, England, United Kingdom (TQ10 8JL) (weather/gb/kingswinford/52.43,-1.79)

Elev 150 ft, 52.12 °N, 2.31 °W

# great malvern / Barnards Green - IGREATMA2 ⓘ

## FORECAST FOR GREAT MALVERN, GB (/WEATHER/GB/MALVERN/IGREATMA2)

### PWS DATA (/DASHBOARD/PWS/IGREATMA2)

- PWS DATA (/DASHBOARD/PWS/IGREATMA2)
- COMMENTS (/DASHBOARD/PWS/IGREATMA2/COMMENTS)

## Station Summary

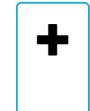
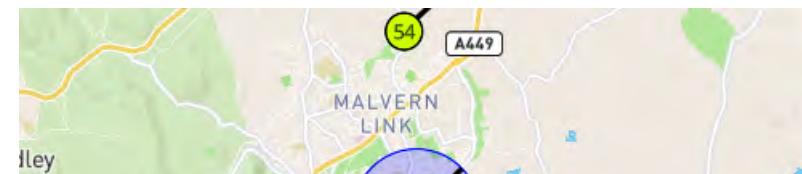
Online(updated 3 minutes ago)

[CURRENT CONDITIONS](#)[MAP](#)

**55.8** °  
F  
Feels Like 55.8 °



WIND & GUST  
**6.0 / 10.0 mph**



27/03/2020

Personal Weather Station Dashboard | Weather Underground

DEWPOINT

**38.8 °F**

PRESSURE

**30.19 in**

PRECIP ACCUM

**0.00 in**

PRECIP RATE

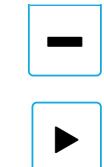
**0.00 in/hr**

HUMIDITY

**53 %**

UV

--



[lat=52.116417&lon=-2.310492&zoom=13&tl.play=0&tl.spd=2&groupSevere=1&groupHur](https://lat=52.116417&lon=-2.310492&zoom=13&tl.play=0&tl.spd=2&groupSevere=1&groupHur)

## PWS CURRENT CONDITIONS

TEMPERATURE



WIND



PRESSURE



CURRENT  
**56°**

DEWPOINT

**38.8 °F**

HUMIDITY

**53 %**



WIND FROM

**NE**

GUST

**10.0 mph**

CURRENT

**30.19 In**

PRECIPITATION



UV





PRECIP RATE

**0.00 in/hr**

PRECIP TOTAL

**0.00 in****UNAVAILABLE**

## ASSOCIATED WEBCAM

**Weather History for IGREATMA2**

[Weekly Mode](#)[March](#)[15](#)[2020](#)[View](#)[Next](#)[Previous](#)

## Summary

**March 9, 2020 - March 15, 2020**

|                      | <b>High</b>    | <b>Low</b>     | <b>Average</b> |
|----------------------|----------------|----------------|----------------|
| <b>Temperature</b>   | <b>59.7 °F</b> | <b>39.0 °F</b> | <b>48.3 °F</b> |
| <b>Dew Point</b>     | <b>51.6 °F</b> | <b>29.7 °F</b> | <b>41.1 °F</b> |
| <b>Humidity</b>      | <b>82 %</b>    | <b>52 %</b>    | <b>76 %</b>    |
| <b>Precipitation</b> | <b>0.35 in</b> | --             | --             |

|                       | <b>High</b>     | <b>Low</b>      | <b>Average</b>  |
|-----------------------|-----------------|-----------------|-----------------|
| <b>Wind Speed</b>     | <b>30.0 mph</b> | <b>0.0 mph</b>  | <b>4.2 mph</b>  |
| <b>Wind Gust</b>      | <b>40.0 mph</b> | --              | <b>14.5 mph</b> |
| <b>Wind Direction</b> | --              | --              | <b>SW</b>       |
| <b>Pressure</b>       | <b>30.02 in</b> | <b>29.48 in</b> | --              |

| <a href="#">Graph</a> | <a href="#">Table</a> |
|-----------------------|-----------------------|
|-----------------------|-----------------------|

**March 9, 2020 - March 15, 2020**

|          | Temperature |         |         | Dew Point |         |         | Humidity |      |      | Speed    |         |         | Pressure |          |         | Precip. Accum. |  |
|----------|-------------|---------|---------|-----------|---------|---------|----------|------|------|----------|---------|---------|----------|----------|---------|----------------|--|
| Date     | High        | Avg     | Low     | High      | Avg     | Low     | High     | Avg  | Low  | High     | Avg     | Low     | High     | Low      | Sum     |                |  |
| 3/9/2020 | 52.2 °F     | 46.7 °F | 42.8 °F | 46.2 °F   | 39.8 °F | 36.7 °F | 82 %     | 77 % | 66 % | 18.0 mph | 4.7 mph | 0.0 mph | 29.86 in | 29.53 in | 0.20 in |                |  |

| Date      | Temperature |         |         | Dew Point |         |         | Humidity |      |      | Speed    |         |         | Pressure |          | Precip. Accum. |
|-----------|-------------|---------|---------|-----------|---------|---------|----------|------|------|----------|---------|---------|----------|----------|----------------|
|           | High        | Avg     | Low     | High      | Avg     | Low     | High     | Avg  | Low  | High     | Avg     | Low     | High     | Low      | Sum            |
| 3/10/2020 | 59.7 °F     | 54.3 °F | 49.3 °F | 51.6 °F   | 47.4 °F | 43.7 °F | 82 %     | 78 % | 70 % | 25.0 mph | 4.5 mph | 0.0 mph | 29.70 in | 29.51 in | 0.02 in        |
| 3/11/2020 | 55.0 °F     | 50.4 °F | 44.2 °F | 45.5 °F   | 43.0 °F | 35.8 °F | 82 %     | 76 % | 66 % | 22.0 mph | 5.6 mph | 0.0 mph | 29.74 in | 29.48 in | 0.05 in        |
| 3/12/2020 | 51.1 °F     | 43.9 °F | 39.0 °F | 37.9 °F   | 35.0 °F | 29.7 °F | 82 %     | 71 % | 52 % | 30.0 mph | 6.2 mph | 0.0 mph | 29.81 in | 29.57 in | 0.08 in        |
| 3/13/2020 | 54.0 °F     | 47.1 °F | 43.7 °F | 41.5 °F   | 38.6 °F | 36.1 °F | 82 %     | 73 % | 53 % | 17.0 mph | 2.7 mph | 0.0 mph | 30.02 in | 29.81 in | 0.00 in        |
| 3/14/2020 | 54.0 °F     | 48.6 °F | 44.1 °F | 46.4 °F   | 42.2 °F | 37.6 °F | 82 %     | 79 % | 72 % | 16.0 mph | 2.9 mph | 0.0 mph | 29.88 in | 29.65 in | 0.00 in        |
| 3/15/2020 | 50.9 °F     | 47.1 °F | 42.4 °F | 45.3 °F   | 41.6 °F | 37.2 °F | 82 %     | 81 % | 78 % | 21.0 mph | 2.9 mph | 0.0 mph | 29.89 in | 29.55 in | 0.00 in        |

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Elev 150 ft, 52.12 °N, 2.31 °W

# great malvern / Barnards Green - IGREATMA2 ⓘ

## FORECAST FOR GREAT MALVERN, GB (/WEATHER/GB/MALVERN/IGREATMA2)

### PWS DATA (/DASHBOARD/PWS/IGREATMA2)

- PWS DATA (/DASHBOARD/PWS/IGREATMA2)
- COMMENTS (/DASHBOARD/PWS/IGREATMA2/COMMENTS)

## Station Summary

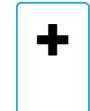
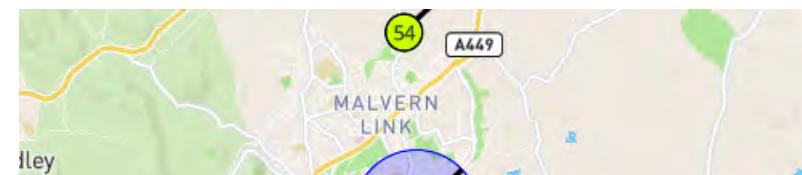
Online(updated 5 minutes ago)

[CURRENT CONDITIONS](#)[MAP](#)

**55.8 °**  
F  
Feels Like 55.8 °



WIND & GUST  
**6.0 / 10.0 mph**



27/03/2020

Personal Weather Station Dashboard | Weather Underground

DEWPOINT

**38.8 °F**

PRESSURE

**30.19 in**

PRECIP ACCUM

**0.00 in**

PRECIP RATE

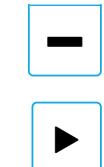
**0.00 in/hr**

HUMIDITY

**53 %**

UV

--



[lat=52.116417&lon=-2.310492&zoom=13&tl.play=0&tl.spd=2&groupSevere=1&groupHur](https://lat=52.116417&lon=-2.310492&zoom=13&tl.play=0&tl.spd=2&groupSevere=1&groupHur)

## PWS CURRENT CONDITIONS

TEMPERATURE



WIND



PRESSURE



CURRENT  
**56°**

DEWPOINT  
**38.8 °F**

HUMIDITY  
**53 %**



WIND FROM  
**NE**

GUST  
**10.0 mph**

CURRENT  
**30.19 in**

PRECIPITATION



UV





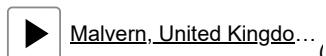
PRECIP RATE

**0.00 in/hr**

PRECIP TOTAL

**0.00 in****UNAVAILABLE**

## ASSOCIATED WEBCAM

**Weather History for IGREATMA2**

[Weekly Mode](#)[March](#)[22](#)[2020](#)[View](#)[Next](#)[Previous](#)

## Summary

**March 16, 2020 - March 22, 2020**

|                      | <b>High</b>    | <b>Low</b>     | <b>Average</b> |
|----------------------|----------------|----------------|----------------|
| <b>Temperature</b>   | <b>56.7 °F</b> | <b>33.4 °F</b> | <b>45.4 °F</b> |
| <b>Dew Point</b>     | <b>49.1 °F</b> | <b>25.9 °F</b> | <b>37.8 °F</b> |
| <b>Humidity</b>      | <b>83 %</b>    | <b>36 %</b>    | <b>75 %</b>    |
| <b>Precipitation</b> | <b>0.07 in</b> | --             | --             |

|                       | <b>High</b>     | <b>Low</b>      | <b>Average</b> |
|-----------------------|-----------------|-----------------|----------------|
| <b>Wind Speed</b>     | <b>23.0 mph</b> | <b>0.0 mph</b>  | <b>2.0 mph</b> |
| <b>Wind Gust</b>      | <b>28.0 mph</b> | --              | <b>8.0 mph</b> |
| <b>Wind Direction</b> | --              | --              | <b>SE</b>      |
| <b>Pressure</b>       | <b>30.38 in</b> | <b>29.89 in</b> | --             |

| <a href="#">Graph</a> | <a href="#">Table</a> |
|-----------------------|-----------------------|
|-----------------------|-----------------------|

**March 16, 2020 - March 22, 2020**

|           | Temperature |         |         | Dew Point |         |         | Humidity |      |      | Speed    |         |         | Pressure |          |         | Precip. Accum. |  |
|-----------|-------------|---------|---------|-----------|---------|---------|----------|------|------|----------|---------|---------|----------|----------|---------|----------------|--|
| Date      | High        | Avg     | Low     | High      | Avg     | Low     | High     | Avg  | Low  | High     | Avg     | Low     | High     | Low      | Sum     |                |  |
| 3/16/2020 | 55.2 °F     | 45.9 °F | 37.9 °F | 40.5 °F   | 37.0 °F | 32.9 °F | 83 %     | 72 % | 51 % | 23.0 mph | 2.1 mph | 0.0 mph | 30.18 in | 29.89 in | 0.07 in |                |  |

| Date      | Temperature |         |         | Dew Point |         |         | Humidity |      |      | Speed    |         |         | Pressure |          | Precip. Accum. |
|-----------|-------------|---------|---------|-----------|---------|---------|----------|------|------|----------|---------|---------|----------|----------|----------------|
|           | High        | Avg     | Low     | High      | Avg     | Low     | High     | Avg  | Low  | High     | Avg     | Low     | High     | Low      | Sum            |
| 3/17/2020 | 54.9 °F     | 50.8 °F | 45.7 °F | 49.1 °F   | 45.1 °F | 39.2 °F | 82 %     | 81 % | 78 % | 22.0 mph | 5.5 mph | 0.0 mph | 30.23 in | 30.13 in | 0.00 in        |
| 3/18/2020 | 54.7 °F     | 48.3 °F | 41.7 °F | 48.9 °F   | 42.4 °F | 35.4 °F | 82 %     | 80 % | 77 % | 19.0 mph | 3.4 mph | 0.0 mph | 30.25 in | 30.11 in | 0.00 in        |
| 3/19/2020 | 43.3 °F     | 41.9 °F | 39.6 °F | 38.1 °F   | 36.4 °F | 34.3 °F | 83 %     | 81 % | 78 % | 6.0 mph  | 0.6 mph | 0.0 mph | 30.34 in | 30.23 in | 0.00 in        |
| 3/20/2020 | 51.1 °F     | 43.9 °F | 40.5 °F | 41.4 °F   | 37.5 °F | 35.4 °F | 83 %     | 78 % | 64 % | 9.0 mph  | 1.1 mph | 0.0 mph | 30.38 in | 30.32 in | 0.00 in        |
| 3/21/2020 | 52.9 °F     | 43.8 °F | 37.6 °F | 38.1 °F   | 32.8 °F | 25.9 °F | 82 %     | 67 % | 36 % | 11.0 mph | 1.1 mph | 0.0 mph | 30.35 in | 30.19 in | 0.00 in        |
| 3/22/2020 | 56.7 °F     | 43.3 °F | 33.4 °F | 40.8 °F   | 33.5 °F | 28.8 °F | 83 %     | 70 % | 47 % | 5.0 mph  | 0.3 mph | 0.0 mph | 30.30 in | 30.22 in | 0.00 in        |

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**T20504**  
Guarlford Road, Malvern



## Appendix D

### TRICS Data

Calculation Reference: AUDIT-141301-200326-0302

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

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

Selected regions and areas:

|    |                                |        |  |
|----|--------------------------------|--------|--|
| 02 | SOUTH EAST                     |        |  |
|    | ES EAST SUSSEX                 | 1 days |  |
|    | HC HAMPSHIRE                   | 1 days |  |
|    | HF HERTFORDSHIRE               | 1 days |  |
|    | KC KENT                        | 3 days |  |
|    | SC SURREY                      | 2 days |  |
|    | WS WEST SUSSEX                 | 3 days |  |
| 03 | SOUTH WEST                     |        |  |
|    | DV DEVON                       | 1 days |  |
| 04 | EAST ANGLIA                    |        |  |
|    | NF NORFOLK                     | 2 days |  |
|    | SF SUFFOLK                     | 1 days |  |
| 06 | WEST MIDLANDS                  |        |  |
|    | SH SHROPSHIRE                  | 1 days |  |
|    | ST STAFFORDSHIRE               | 1 days |  |
| 07 | YORKSHIRE & NORTH LINCOLNSHIRE |        |  |
|    | NY NORTH YORKSHIRE             | 1 days |  |
| 09 | NORTH                          |        |  |
|    | DH DURHAM                      | 1 days |  |

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

Secondary Filtering selection:

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

Parameter: Number of dwellings  
Actual Range: 51 to 363 (units: )  
Range Selected by User: 50 to 500 (units: )

Parking Spaces Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/11 to 23/09/19

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    | 4 days |
| Tuesday   | 2 days |
| Wednesday | 4 days |
| Thursday  | 7 days |
| Friday    | 2 days |

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

Selected survey types:

|                       |         |
|-----------------------|---------|
| Manual count          | 18 days |
| Directional ATC Count | 1 days  |

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

Selected Locations:

|                                    |    |
|------------------------------------|----|
| Suburban Area (PPS6 Out of Centre) | 6  |
| Edge of Town                       | 13 |

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 | 17 |
| Out of Town      | 1  |

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

Secondary Filtering selection:

Use Class:

|    |         |
|----|---------|
| C3 | 19 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  | 6 days |
| 10,001 to 15,000 | 6 days |
| 15,001 to 20,000 | 3 days |
| 20,001 to 25,000 | 2 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    | 2 days |
| 25,001 to 50,000   | 3 days |
| 50,001 to 75,000   | 2 days |
| 75,001 to 100,000  | 4 days |
| 100,001 to 125,000 | 1 days |
| 125,001 to 250,000 | 7 days |

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

Car ownership within 5 miles:

|            |         |
|------------|---------|
| 1.1 to 1.5 | 17 days |
| 1.6 to 2.0 | 2 days  |

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

Travel Plan:

|     |         |
|-----|---------|
| Yes | 8 days  |
| No  | 11 days |

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

PTAL Rating:

|                 |         |
|-----------------|---------|
| No PTAL Present | 19 days |
|-----------------|---------|

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

*LIST OF SITES relevant to selection parameters*

|   |   |                           |                            |
|---|---|---------------------------|----------------------------|
| 1 | DH-03-A-03<br>PILGRIMS WAY<br>DURHAM  | SEMI -DETACHED & TERRACED | DURHAM                     |
|   | Edge of Town<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 57                        |                            |
|   | <i>Survey date: FRIDAY</i>  | <i>19/10/18</i>           | <i>Survey Type: MANUAL</i> |
| 2 | DV-03-A-03<br>LOWER BRAND LANE<br>HONITON   | TERRACED & SEMI DETACHED  | DEVON                      |
|   | Suburban Area (PPS6 Out of Centre)<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 70                        |                            |
|   | <i>Survey date: MONDAY</i>  | <i>28/09/15</i>           | <i>Survey Type: MANUAL</i> |
| 3 | ES-03-A-05<br>RATTLE ROAD<br>NEAR EASTBOURNE<br>STONE CROSS<br>Edge of Town<br>Residential Zone | MIXED HOUSES & FLATS      | EAST SUSSEX                |
|   | Total Number of dwellings:  | 99                        |                            |
|   | <i>Survey date: WEDNESDAY</i>   | <i>05/06/19</i>           | <i>Survey Type: MANUAL</i> |
| 4 | HC-03-A-20<br>CANADA WAY<br>LIPHOOK   | HOUSES & FLATS            | HAMPSHIRE                  |
|   | Suburban Area (PPS6 Out of Centre)<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 62                        |                            |
|   | <i>Survey date: TUESDAY</i>   | <i>20/11/18</i>           | <i>Survey Type: MANUAL</i> |
| 5 | HF-03-A-03<br>HARE STREET ROAD<br>BUNTINGFORD   | MIXED HOUSES              | HERTFORDSHIRE              |
|   | Edge of Town<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 160                       |                            |
|   | <i>Survey date: MONDAY</i>  | <i>08/07/19</i>           | <i>Survey Type: MANUAL</i> |
| 6 | KC-03-A-03<br>HYTHE ROAD<br>ASHFORD<br>WILLESBOROUGH  | MIXED HOUSES & FLATS      | KENT                       |
|   | Suburban Area (PPS6 Out of Centre)<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 51                        |                            |
|   | <i>Survey date: THURSDAY</i>  | <i>14/07/16</i>           | <i>Survey Type: MANUAL</i> |
| 7 | KC-03-A-06<br>MARGATE ROAD<br>HERNE BAY   | MIXED HOUSES & FLATS      | KENT                       |
|   | Suburban Area (PPS6 Out of Centre)<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 363                       |                            |
|   | <i>Survey date: WEDNESDAY</i>   | <i>27/09/17</i>           | <i>Survey Type: MANUAL</i> |
| 8 | KC-03-A-07<br>RECULVER ROAD<br>HERNE BAY  | MIXED HOUSES              | KENT                       |
|   | Edge of Town<br>Residential Zone  |                           |                            |
|   | Total Number of dwellings:  | 288                       |                            |
|   | <i>Survey date: WEDNESDAY</i>   | <i>27/09/17</i>           | <i>Survey Type: MANUAL</i> |

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

|    |   |                           |   |
|----|---|---------------------------|---|
| 9  | NF-03-A-02<br>DEREHAM ROAD<br>NORWICH                           | HOUSES & FLATS            | NORFOLK                                   |
|    | Suburban Area (PPS6 Out of Centre)<br>Residential Zone          |                           |   |
|    | Total Number of dwellings: 98<br><i>Survey date: MONDAY</i>     | 22/10/12                  | <i>Survey Type: MANUAL</i>                |
| 10 | NF-03-A-07<br>SILFIELD ROAD<br>WYMONDHAM                        | MIXED HOUSES & FLATS      | NORFOLK                                   |
|    | Edge of Town<br>Out of Town                                     |                           |   |
|    | Total Number of dwellings: 297<br><i>Survey date: FRIDAY</i>    | 20/09/19                  | <i>Survey Type: DIRECTIONAL ATC COUNT</i> |
| 11 | NY-03-A-10<br>BOROUGHBRIDGE ROAD<br>RIPON                       | HOUSES AND FLATS          | NORTH YORKSHIRE                           |
|    | Edge of Town<br>No Sub Category                                 |                           |   |
|    | Total Number of dwellings: 71<br><i>Survey date: TUESDAY</i>    | 17/09/13                  | <i>Survey Type: MANUAL</i>                |
| 12 | SC-03-A-04<br>HIGH ROAD<br>BYFLEET                              | DETACHED & TERRACED       | SURREY                                    |
|    | Edge of Town<br>Residential Zone                                |                           |   |
|    | Total Number of dwellings: 71<br><i>Survey date: THURSDAY</i>   | 23/01/14                  | <i>Survey Type: MANUAL</i>                |
| 13 | SC-03-A-05<br>REIGATE ROAD<br>HORLEY                            | MIXED HOUSES              | SURREY                                    |
|    | Edge of Town<br>Residential Zone                                |                           |   |
|    | Total Number of dwellings: 207<br><i>Survey date: MONDAY</i>    | 01/04/19                  | <i>Survey Type: MANUAL</i>                |
| 14 | SF-03-A-07<br>FOXHALL ROAD<br>IPSWICH                           | MIXED HOUSES              | SUFFOLK                                   |
|    | Suburban Area (PPS6 Out of Centre)<br>Residential Zone          |                           |   |
|    | Total Number of dwellings: 73<br><i>Survey date: THURSDAY</i>   | 09/05/19                  | <i>Survey Type: MANUAL</i>                |
| 15 | SH-03-A-05<br>SANDCROFT<br>TELFORD<br>SUTTON HILL               | SEMI -DETACHED/TERRACED   | SHROPSHIRE                                |
|    | Edge of Town<br>Residential Zone                                |                           |   |
|    | Total Number of dwellings: 54<br><i>Survey date: THURSDAY</i>   | 24/10/13                  | <i>Survey Type: MANUAL</i>                |
| 16 | ST-03-A-07<br>BEACONSIDE<br>STAFFORD<br>MARSTON GATE            | DETACHED & SEMI -DETACHED | STAFFORDSHIRE                             |
|    | Edge of Town<br>Residential Zone                                |                           |   |
|    | Total Number of dwellings: 248<br><i>Survey date: WEDNESDAY</i> | 22/11/17                  | <i>Survey Type: MANUAL</i>                |

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

|    |                              |                      |                            |
|----|------------------------------|----------------------|----------------------------|
| 17 | WS-03-A-04                   | MIXED HOUSES         | WEST SUSSEX                |
|    | HILLS FARM LANE              |                      |                            |
|    | HORSHAM                      |                      |                            |
|    | BROADBRIDGE HEATH            |                      |                            |
|    | Edge of Town                 |                      |                            |
|    | Residential Zone             |                      |                            |
|    | Total Number of dwellings:   | 151                  |                            |
|    | <i>Survey date: THURSDAY</i> | <i>11/12/14</i>      | <i>Survey Type: MANUAL</i> |
| 18 | WS-03-A-08                   | MIXED HOUSES         | WEST SUSSEX                |
|    | ROUNDSTONE LANE              |                      |                            |
|    | ANGMERING                    |                      |                            |
|    | Edge of Town                 |                      |                            |
|    | Residential Zone             |                      |                            |
|    | Total Number of dwellings:   | 180                  |                            |
|    | <i>Survey date: THURSDAY</i> | <i>19/04/18</i>      | <i>Survey Type: MANUAL</i> |
| 19 | WS-03-A-09                   | MIXED HOUSES & FLATS | WEST SUSSEX                |
|    | LITTLEHAMPTON ROAD           |                      |                            |
|    | WORTHING                     |                      |                            |
|    | WEST DURRINGTON              |                      |                            |
|    | Edge of Town                 |                      |                            |
|    | Residential Zone             |                      |                            |
|    | Total Number of dwellings:   | 197                  |                            |
|    | <i>Survey date: THURSDAY</i> | <i>05/07/18</i>      | <i>Survey Type: MANUAL</i> |

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

*MANUALLY DESELECTED SITES*

| Site Ref   | Reason for Deselection                                 |
|------------|--|
| DV-03-A-02 | High % of Bungalows                                    |
| ES-03-A-03 | High % of Flats  |
| ES-03-A-04 | Significantly Lower Trip Rates Compared to Other sites |
| NF-03-A-04 | Significantly lower trip rates compared to other sites |
| NY-03-A-06 | High % of Bungalows                                    |
| NY-03-A-09 | High % of Bungalows                                    |
| SY-03-A-01 | Significantly Lower Trip Rates Compared to Other sites |
| WS-03-A-10 | Significantly lower trip rates compared to other sites |

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

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

| Time Range    | ARRIVALS    |                |              | DEPARTURES  |                |              | TOTALS      |                |              |
|---------------|-------------|----------------|--------------|-------------|----------------|--------------|-------------|----------------|--------------|
|               | No.<br>Days | Ave.<br>DWELLS | Trip<br>Rate | No.<br>Days | Ave.<br>DWELLS | Trip<br>Rate | No.<br>Days | Ave.<br>DWELLS | Trip<br>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 | 19          | 147            | 0.099        | 19          | 147            | 0.328        | 19          | 147            | 0.427        |
| 08:00 - 09:00 | 19          | 147            | 0.132        | 19          | 147            | 0.388        | 19          | 147            | 0.520        |
| 09:00 - 10:00 | 19          | 147            | 0.151        | 19          | 147            | 0.174        | 19          | 147            | 0.325        |
| 10:00 - 11:00 | 19          | 147            | 0.122        | 19          | 147            | 0.167        | 19          | 147            | 0.289        |
| 11:00 - 12:00 | 19          | 147            | 0.134        | 19          | 147            | 0.147        | 19          | 147            | 0.281        |
| 12:00 - 13:00 | 19          | 147            | 0.168        | 19          | 147            | 0.152        | 19          | 147            | 0.320        |
| 13:00 - 14:00 | 19          | 147            | 0.169        | 19          | 147            | 0.165        | 19          | 147            | 0.334        |
| 14:00 - 15:00 | 19          | 147            | 0.172        | 19          | 147            | 0.196        | 19          | 147            | 0.368        |
| 15:00 - 16:00 | 19          | 147            | 0.277        | 19          | 147            | 0.174        | 19          | 147            | 0.451        |
| 16:00 - 17:00 | 19          | 147            | 0.293        | 19          | 147            | 0.169        | 19          | 147            | 0.462        |
| 17:00 - 18:00 | 19          | 147            | 0.358        | 19          | 147            | 0.158        | 19          | 147            | 0.516        |
| 18:00 - 19:00 | 19          | 147            | 0.296        | 19          | 147            | 0.188        | 19          | 147            | 0.484        |
| 19:00 - 20:00 |             |                |              |             |                |              |             |                |              |
| 20:00 - 21:00 |             |                |              |             |                |              |             |                |              |
| 21:00 - 22:00 |             |                |              |             |                |              |             |                |              |
| 22:00 - 23:00 |             |                |              |             |                |              |             |                |              |
| 23:00 - 24:00 |             |                |              |             |                |              |             |                |              |
| Total Rates:  |             | 2.371          |              |             |                | 2.406        |             |                | 4.777        |

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

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

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## Parameter summary

|   |                     |
|---|---------------------|
| Trip rate parameter range selected:           | 51 - 363 (units: )  |
| Survey date date range:                       | 01/01/11 - 23/09/19 |
| Number of weekdays (Monday-Friday):           | 23                  |
| Number of Saturdays:                          | 0                   |
| Number of Sundays:                            | 0                   |
| Surveys automatically removed from selection: | 2                   |
| Surveys manually removed from selection:      | 8                   |

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

---

## Appendix E

### Journey to Work 2011 Census Data (Development Distribution)

**WU03EW - Location of usual residence and place of work by method of travel to work (MSOA level)**

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population All usual residents aged 16 and over in employment the week before the census  
 units Persons  
 date 2011  
 method of travel to work Driving a car or van

| place of work : 2011 super output area | usual residence | E02006718 : Malvern Hills 009 | %     | %  | %    | Total |
|--|-----------------|-------------------------------|-------|--|------|-------|
| middle layer                           |                 |                               |       |  |      |       |
| E02006713 : Malvern Hills 004          |                 | 203                           | 18.2  | 9.1 East onto Guariford Road and north up Hall Green                     | 49.9 | 558   |
| E02006719 : Malvern Hills 010          |                 | 169                           | 15.1  | 9.1 West onto Guariford Road and along the B4208                         | 50.1 | 560   |
| E02006718 : Malvern Hills 009          |                 | 144                           | 12.9  | 7.6 West onto Guariford Road and along the B4208                         |      |       |
| E02006714 : Malvern Hills 005          |                 | 57                            | 5.1   | 6.4 West onto Guariford Road and south along Poolbrook Road              |      |       |
| E02006744 : Worcester 011              |                 | 48                            | 4.3   | 6.4 West onto Guariford Road and south along Poolbrook Road              |      |       |
| E02006746 : Worcester 013              |                 | 40                            | 3.6   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02002923 : Herefordshire 019          |                 | 34                            | 3.0   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006716 : Malvern Hills 007          |                 | 28                            | 2.5   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006740 : Worcester 007              |                 | 28                            | 2.5   | West onto Guariford Road and along the B4208                             |      |       |
| E02006720 : Malvern Hills 011          |                 | 27                            | 2.4   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006743 : Worcester 010              |                 | 27                            | 2.4   | 1.2 East onto Guariford Road, towards Guariford and onto the B4211 south |      |       |
| E02006715 : Malvern Hills 006          |                 | 23                            | 2.1   | 1.2 East onto Guariford Road and south along Poolbrook Road              |      |       |
| E02006736 : Worcester 003              |                 | 23                            | 2.1   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02002913 : Herefordshire 009          |                 | 17                            | 1.5   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02004666 : Tewkesbury 001             |                 | 17                            | 1.5   | West onto Guariford Road and along the B4211 to the A449                 |      |       |
| E02006712 : Malvern Hills 003          |                 | 15                            | 1.3   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02006745 : Worcester 012              |                 | 15                            | 1.3   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006711 : Malvern Hills 002          |                 | 13                            | 1.2   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006759 : Wychavon 012               |                 | 11                            | 1.0   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02006739 : Worcester 006              |                 | 10                            | 0.9   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006742 : Worcester 009              |                 | 10                            | 0.9   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006748 : Wychavon 001               |                 | 10                            | 0.9   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006766 : Wychavon 019               |                 | 9                             | 0.8   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02004667 : Tewkesbury 002             |                 | 9                             | 0.8   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02002909 : Herefordshire 005          |                 | 8                             | 0.7   | West onto Guariford Road and along the B4211 to the A449                 |      |       |
| E02006734 : Worcester 001              |                 | 8                             | 0.7   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006738 : Worcester 005              |                 | 8                             | 0.7   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006756 : Wychavon 009               |                 | 8                             | 0.7   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02004608 : Cheltenham 009             |                 | 8                             | 0.7   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02004639 : Gloucester 004             |                 | 8                             | 0.7   | West onto Guariford Road and south along Poolbrook Road                  |      |       |
| E02006717 : Malvern Hills 008          |                 | 7                             | 0.6   | 0.3 East onto Guariford Road and north up Hall Green                     |      |       |
| E02004609 : Cheltenham 010             |                 | 7                             | 0.6   | 0.3 East onto Guariford Road, towards Guariford and onto the B4211 south |      |       |
| E02006708 : Bromsgrove 011             |                 | 6                             | 0.5   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02006737 : Worcester 004              |                 | 6                             | 0.5   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006754 : Wychavon 007               |                 | 6                             | 0.5   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02002916 : Herefordshire 012          |                 | 5                             | 0.4   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006757 : Wychavon 010               |                 | 5                             | 0.4   | West onto Guariford Road and along the B4211 to the A449                 |      |       |
| E02004626 : Forest of Dean 001         |                 | 5                             | 0.4   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02006899 : Birmingham 138             |                 | 4                             | 0.4   | West onto Guariford Road and south along Poolbrook Road                  |      |       |
| E02006709 : Bromsgrove 014             |                 | 4                             | 0.4   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006749 : Wychavon 002               |                 | 4                             | 0.4   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006753 : Wychavon 006               |                 | 4                             | 0.4   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02006763 : Wychavon 016               |                 | 4                             | 0.4   | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |
| E02006770 : Wyre Forest 004            |                 | 4                             | 0.4   | East onto Guariford Road and north up Hall Green                         |      |       |
| E02003106 : South Gloucestershire 017  |                 | 4                             | 0.4   | 0.2 West onto Guariford Road and south along Poolbrook Road              |      |       |
| E02004642 : Gloucester 007             |                 | 4                             | 0.4   | 0.2 East onto Guariford Road, towards Guariford and onto the B4211 south |      |       |
| E02004674 : Tewkesbury 009             |                 | 4                             | 0.4   | 0.2 West onto Guariford Road and south along Poolbrook Road              |      |       |
|  |                 | 1,118                         | 100.0 | 0.2 East onto Guariford Road, towards Guariford and onto the B4211 south |      |       |
|  |                 |                               |       | East onto Guariford Road, towards Guariford and onto the B4211 south     |      |       |

## Appendix F

### Site Access PICADY Outputs

| Junctions 9   |  |
|---|--|
| PICADY 9 - Priority Intersection Module   |  |
| Version: 9.5.0.6896<br>© Copyright TRL Limited, 2018  |  |
| For sales and distribution information, program advice and maintenance, contact TRL:<br>+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk |  |

The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution

**Filename:** T20504 - Site Access.j9

**Path:** C:\Users\james.corbett\Desktop\Working From Home\T20504 Guarford Road, Malvern

**Report generation date:** 06/04/2020 18:06:58

- »2041 + Committed + Development, AM
- »2041 + Committed + Development, PM
- »2041 + Committed + Development Sensitivity, AM
- »2041 + Committed + Development Sensitivity, PM

#### Summary of junction performance

|   | AM          |           |      |     | PM          |           |      |     |
|---|-------------|-----------|------|-----|-------------|-----------|------|-----|
|   | Queue (PCU) | Delay (s) | RFC  | LOS | Queue (PCU) | Delay (s) | RFC  | LOS |
| <b>2041 + Committed + Development</b>             |             |           |      |     |             |           |      |     |
| Stream B-AC                                       | 0.2         | 11.49     | 0.20 | B   | 0.1         | 10.72     | 0.08 | B   |
| Stream C-AB                                       | 0.0         | 4.67      | 0.03 | A   | 0.2         | 4.51      | 0.10 | A   |
| <b>2041 + Committed + Development Sensitivity</b> |             |           |      |     |             |           |      |     |
| Stream B-AC                                       | 0.4         | 13.98     | 0.26 | B   | 0.1         | 12.80     | 0.12 | B   |
| Stream C-AB                                       | 0.1         | 4.55      | 0.04 | A   | 0.4         | 4.40      | 0.14 | A   |

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

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

#### File summary

##### File Description

|             |                            |
|-------------|----------------------------|
| Title       |                            |
| Location    |                            |
| Site number |                            |
| Date        | 02/04/2020                 |
| Version     |                            |
| Status      | (new file)                 |
| Identifier  |                            |
| Client      |                            |
| Jobnumber   |                            |
| Enumerator  | PTBTRANSPORT;james.corbett |
| Description |                            |

#### Units

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

### Analysis Options

| Calculate Queue Percentiles | Calculate residual capacity | RFC Threshold | Average Delay threshold (s) | Queue threshold (PCU) |
|-----------------------------|-----------------------------|---------------|-----------------------------|-----------------------|
|                             |                             | 0.85          | 36.00                       | 20.00                 |

### Demand Set Summary

| ID | Scenario name                              | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|--|------------------|----------------------|--------------------|---------------------|---------------------------|
| D1 | 2041 + Committed + Development             | AM               | ONE HOUR             | 07:45              | 09:15               | 15                        |
| D2 | 2041 + Committed + Development             | PM               | ONE HOUR             | 16:45              | 18:15               | 15                        |
| D3 | 2041 + Committed + Development Sensitivity | AM               | ONE HOUR             | 07:45              | 09:15               | 15                        |
| D4 | 2041 + Committed + Development Sensitivity | PM               | ONE HOUR             | 16:45              | 18:15               | 15                        |

### Analysis Set Details

| ID | Network flow scaling factor (%) |
|----|---------------------------------|
| A1 | 100.000                         |

# 2041 + Committed + Development, AM

## Data Errors and Warnings

| Severity | Area        | Item | Description  |
|----------|-------------|------|--|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|----------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | untitled | T-Junction    | Two-way              |                       | 0.90               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Arms

### Arms

| Arm | Name               | Description | Arm type |
|-----|--------------------|-------------|----------|
| A   | Guarford Road East |             | Major    |
| B   | Site Access        |             | Minor    |
| C   | Guarford Road West |             | Major    |

### Major Arm Geometry

| Arm | Width of carriageway (m) | Has kerbed central reserve | Has right turn bay | Visibility for right turn (m) | Blocks? | Blocking queue (PCU) |
|-----|--------------------------|----------------------------|--------------------|-------------------------------|---------|----------------------|
| C   | 6.30                     |                            |                    | 200.0                         | ✓       | 0.00                 |

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

### Minor Arm Geometry

| Arm | Minor arm type | Lane width (m) | Visibility to left (m) | Visibility to right (m) |
|-----|----------------|----------------|------------------------|-------------------------|
| B   | One lane       | 3.45           | 23                     | 20                      |

### Slope / Intercept / Capacity

#### Priority Intersection Slopes and Intercepts

| Junction | Stream | Intercept (PCU/hr) | Slope for A-B | Slope for A-C | Slope for C-A | Slope for C-B |
|----------|--------|--------------------|---------------|---------------|---------------|---------------|
| 1        | B-A    | 517                | 0.093         | 0.235         | 0.148         | 0.336         |
| 1        | B-C    | 665                | 0.101         | 0.254         | -             | -             |
| 1        | C-B    | 690                | 0.264         | 0.264         | -             | -             |

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

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

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

## Traffic Demand

### Demand Set Details

| ID | Scenario name                  | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|--------------------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D1 | 2041 + Committed + Development | AM               | ONE HOUR             | 07:45              | 09:15               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 530                     | 100.000            |
| B   |            | ✓            | 70                      | 100.000            |
| C   |            | ✓            | 409                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

| From | To  |    |     |   |
|------|-----|----|-----|---|
|      |     | A  | B   | C |
| A    | 0   | 12 | 518 |   |
| B    | 35  | 0  | 35  |   |
| C    | 397 | 12 | 0   |   |

## Vehicle Mix

### Heavy Vehicle Percentages

| From | To |   |   |   |
|------|----|---|---|---|
|      |    | A | B | C |
| A    | 0  | 0 | 0 |   |
| B    | 0  | 0 | 0 |   |
| C    | 0  | 0 | 0 |   |

## Detailed Demand Data

### Demand for each time segment

| Time Segment | Arm | Demand (PCU/hr) | Demand in PCU (PCU/hr) |
|--------------|-----|-----------------|------------------------|
| 07:45-08:00  | A   | 399             | 399                    |
|              | B   | 53              | 53                     |
|              | C   | 308             | 308                    |
| 08:00-08:15  | A   | 476             | 476                    |
|              | B   | 63              | 63                     |
|              | C   | 368             | 368                    |
| 08:15-08:30  | A   | 584             | 584                    |
|              | B   | 77              | 77                     |
|              | C   | 450             | 450                    |
| 08:30-08:45  | A   | 584             | 584                    |
|              | B   | 77              | 77                     |
|              | C   | 450             | 450                    |
| 08:45-09:00  | A   | 476             | 476                    |
|              | B   | 63              | 63                     |
|              | C   | 368             | 368                    |
| 09:00-09:15  | A   | 399             | 399                    |
|              | B   | 53              | 53                     |
|              | C   | 308             | 308                    |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-AC   | 0.20    | 11.49         | 0.2             | B       |
| C-AB   | 0.03    | 4.67          | 0.0             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

# 2041 + Committed + Development, PM

## Data Errors and Warnings

| Severity | Area        | Item | Description  |
|----------|-------------|------|--|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|----------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | untitled | T-Junction    | Two-way              |                       | 0.55               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name                  | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|--------------------------------|------------------|----------------------|--------------------|---------------------|---------------------------|
| D2 | 2041 + Committed + Development | PM               | ONE HOUR             | 16:45              | 18:15               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 549                     | 100.000            |
| B   |            | ✓            | 28                      | 100.000            |
| C   |            | ✓            | 549                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

| From |   | To  |    |     |
|------|---|-----|----|-----|
|      |   | A   | B  | C   |
|      | A | 0   | 32 | 517 |
|      | B | 14  | 0  | 14  |
|      | C | 517 | 32 | 0   |

## Vehicle Mix

### Heavy Vehicle Percentages

| From |   | To |   |   |
|------|---|----|---|---|
|      |   | A  | B | C |
|      | A | 0  | 0 | 0 |
|      | B | 0  | 0 | 0 |
|      | C | 0  | 0 | 0 |

## Detailed Demand Data

### Demand for each time segment

| Time Segment | Arm | Demand (PCU/hr) | Demand in PCU (PCU/hr) |
|--------------|-----|-----------------|------------------------|
| 16:45-17:00  | A   | 413             | 413                    |
|              | B   | 21              | 21                     |
|              | C   | 413             | 413                    |
| 17:00-17:15  | A   | 494             | 494                    |
|              | B   | 25              | 25                     |
|              | C   | 494             | 494                    |
| 17:15-17:30  | A   | 604             | 604                    |
|              | B   | 31              | 31                     |
|              | C   | 604             | 604                    |
| 17:30-17:45  | A   | 604             | 604                    |
|              | B   | 31              | 31                     |
|              | C   | 604             | 604                    |
| 17:45-18:00  | A   | 494             | 494                    |
|              | B   | 25              | 25                     |
|              | C   | 494             | 494                    |
| 18:00-18:15  | A   | 413             | 413                    |
|              | B   | 21              | 21                     |
|              | C   | 413             | 413                    |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-AC   | 0.08    | 10.72         | 0.1             | B       |
| C-AB   | 0.10    | 4.51          | 0.2             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

# 2041 + Committed + Development Sensitivity, AM

## Data Errors and Warnings

| Severity | Area        | Item | Description  |
|----------|-------------|------|--|
| Warning  | Vehicle Mix |      | HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning. |

## Junction Network

### Junctions

| Junction | Name     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|----------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | untitled | T-Junction    | Two-way              |                       | 1.08               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name                              | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|--|------------------|----------------------|--------------------|---------------------|---------------------------|
| D3 | 2041 + Committed + Development Sensitivity | AM               | ONE HOUR             | 07:45              | 09:15               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 635                     | 100.000            |
| B   |            | ✓            | 84                      | 100.000            |
| C   |            | ✓            | 491                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

| From |   | To  |    |     |
|------|---|-----|----|-----|
|      |   | A   | B  | C   |
|      | A | 0   | 14 | 621 |
|      | B | 42  | 0  | 42  |
|      | C | 477 | 14 | 0   |

## Vehicle Mix

### Heavy Vehicle Percentages

| From |   | To |   |   |
|------|---|----|---|---|
|      |   | A  | B | C |
|      | A | 0  | 0 | 0 |
|      | B | 0  | 0 | 0 |
|      | C | 0  | 0 | 0 |

## Detailed Demand Data

### Demand for each time segment

| Time Segment | Arm | Demand (PCU/hr) | Demand in PCU (PCU/hr) |
|--------------|-----|-----------------|------------------------|
| 07:45-08:00  | A   | 478             | 478                    |
|              | B   | 63              | 63                     |
|              | C   | 370             | 370                    |
| 08:00-08:15  | A   | 571             | 571                    |
|              | B   | 76              | 76                     |
|              | C   | 441             | 441                    |
| 08:15-08:30  | A   | 699             | 699                    |
|              | B   | 92              | 92                     |
|              | C   | 541             | 541                    |
| 08:30-08:45  | A   | 699             | 699                    |
|              | B   | 92              | 92                     |
|              | C   | 541             | 541                    |
| 08:45-09:00  | A   | 571             | 571                    |
|              | B   | 76              | 76                     |
|              | C   | 441             | 441                    |
| 09:00-09:15  | A   | 478             | 478                    |
|              | B   | 63              | 63                     |
|              | C   | 370             | 370                    |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-AC   | 0.26    | 13.98         | 0.4             | B       |
| C-AB   | 0.04    | 4.55          | 0.1             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |

# 2041 + Committed + Development Sensitivity, PM

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

| Junction | Name     | Junction type | Major road direction | Use circulating lanes | Junction Delay (s) | Junction LOS |
|----------|----------|---------------|----------------------|-----------------------|--------------------|--------------|
| 1        | untitled | T-Junction    | Two-way              |                       | 0.66               | A            |

### Junction Network Options

| Driving side | Lighting       |
|--------------|----------------|
| Left         | Normal/unknown |

## Traffic Demand

### Demand Set Details

| ID | Scenario name                              | Time Period name | Traffic profile type | Start time (HH:mm) | Finish time (HH:mm) | Time segment length (min) |
|----|--|------------------|----------------------|--------------------|---------------------|---------------------------|
| D4 | 2041 + Committed + Development Sensitivity | PM               | ONE HOUR             | 16:45              | 18:15               | 15                        |

| Vehicle mix source | PCU Factor for a HV (PCU) |
|--------------------|---------------------------|
| HV Percentages     | 2.00                      |

### Demand overview (Traffic)

| Arm | Linked arm | Use O-D data | Average Demand (PCU/hr) | Scaling Factor (%) |
|-----|------------|--------------|-------------------------|--------------------|
| A   |            | ✓            | 660                     | 100.000            |
| B   |            | ✓            | 34                      | 100.000            |
| C   |            | ✓            | 660                     | 100.000            |

## Origin-Destination Data

### Demand (PCU/hr)

| From |   | To  |    |     |
|------|---|-----|----|-----|
|      |   |     |    |     |
|      |   | A   | B  | C   |
|      | A | 0   | 39 | 621 |
|      | B | 17  | 0  | 17  |
|      | C | 621 | 39 | 0   |

## Vehicle Mix

### Heavy Vehicle Percentages

| From |   | To |   |   |
|------|---|----|---|---|
|      |   |    |   |   |
|      |   | A  | B | C |
|      | A | 0  | 0 | 0 |
|      | B | 0  | 0 | 0 |
|      | C | 0  | 0 | 0 |

## Detailed Demand Data

### Demand for each time segment

| Time Segment | Arm | Demand (PCU/hr) | Demand in PCU (PCU/hr) |
|--------------|-----|-----------------|------------------------|
| 16:45-17:00  | A   | 497             | 497                    |
|              | B   | 26              | 26                     |
|              | C   | 497             | 497                    |
| 17:00-17:15  | A   | 593             | 593                    |
|              | B   | 31              | 31                     |
|              | C   | 593             | 593                    |
| 17:15-17:30  | A   | 727             | 727                    |
|              | B   | 37              | 37                     |
|              | C   | 727             | 727                    |
| 17:30-17:45  | A   | 727             | 727                    |
|              | B   | 37              | 37                     |
|              | C   | 727             | 727                    |
| 17:45-18:00  | A   | 593             | 593                    |
|              | B   | 31              | 31                     |
|              | C   | 593             | 593                    |
| 18:00-18:15  | A   | 497             | 497                    |
|              | B   | 26              | 26                     |
|              | C   | 497             | 497                    |

## Results

### Results Summary for whole modelled period

| Stream | Max RFC | Max Delay (s) | Max Queue (PCU) | Max LOS |
|--------|---------|---------------|-----------------|---------|
| B-AC   | 0.12    | 12.80         | 0.1             | B       |
| C-AB   | 0.14    | 4.40          | 0.4             | A       |
| C-A    |         |               |                 |         |
| A-B    |         |               |                 |         |
| A-C    |         |               |                 |         |