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Sovereign Industrial Estate, Huyton

DAVOS Property Developments Ltd
Transport Statement

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1 Introduction

Brief

- 1.1 Rappor Consultants Ltd have been instructed by DAVOS Property Developments Ltd to prepare a Transport Statement (TS) in support of a planning application concerning the redevelopment of Sovereign Industrial Estate in Huyton, Liverpool. An indicative site location plan illustrating the application site and adjacent highway network is shown in **Figure 1.1**.

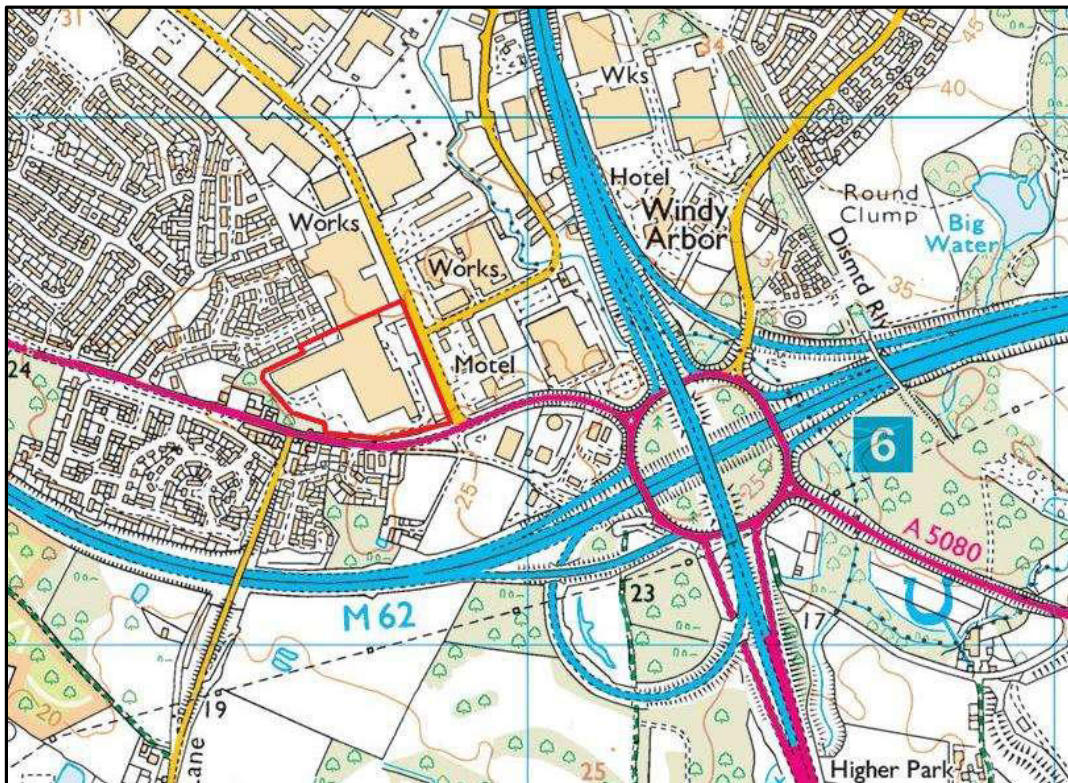


Figure 1.1 Site Location Plan

- 1.2 Full planning permission is sought for the partial demolition, reconfiguration and refurbishment of existing employment floorspace to create 2no. industrial warehouse buildings with ancillary offices (Classes E(g)(iii), B2 and B8) with dedicated servicing and car parking arrangements; erection of 1no. retail unit (Class E) with external display area and dedicated car parking and servicing arrangements; retention and amendment of existing site accesses along with internal estate roads; 2no. substations; landscaping; and associated works.
- 1.3 The retail store is proposed to operate on the basis of at least 70% of floor space dedicated to non-food products, and up to 30% for the sale of ancillary food and drink products. It is important to note that the nature of the food and drink items on sale (discount products) do



not mirror the typical offerings associated with conventional food-based retailers (fresh foods etc). Therefore, they are associated with a different trip attraction pattern, which is less intensive and primarily linked to the sale of non-food goods within the store.

- 1.4 As part of the redevelopment, planning permission is also sought for existing warehouses (Units A and B) to be combined and a new access road constructed along the north western boundary of the site to access the former warehouse (Unit D) which will necessitate the partial demolition and reconfiguration of existing units. The removal of an existing area of warehouse shall result in a total warehouse area in Phase 2 to be reduced from 21,401m² to 19,588m² across all units, and include the removal and relocation of an element of existing office uses. As such the site benefits from an established fallback position in terms of its theoretical, permitted trip attraction potential which is considered further at **Section 5** of this report.
- 1.5 The Proposed Phase Site Plan, as prepared by AEW Architects (Drawing Ref 13579-AEW-XX-XX-DR-A-0503) is reproduced in **Appendix A**.
- 1.6 A site visit was undertaken by Rappor on the morning of Thursday 28th September 2023 in order to inform this report.
- 1.7 A Travel Plan (TP) has been produced under a separate cover.

Relevant Planning History

- 1.8 Phase 1 of the redevelopment of Sovereign Business Estate was granted by Knowsley Borough Council (KBC) in April 2023 (planning reference 22/00109/FUL) for the demolition of buildings and the erection of 2 no. industrial units together with the part demolition/part extension and remodelling of an existing industrial building to form 7 no. units (use classes e (g)(ii) (iii), B2 and B8) with ancillary office space. The permission also included for the reconfiguration of car parking including service and vehicular circulation areas, landscaping, infrastructure works and other associated works. A copy of the approved Phase 1 plan, which includes the reconfiguration of Units C, G and F is reproduced at **Appendix B**.
- 1.9 Opposite the application site on the east side of Wilson Road and north of Stretton Way, outline planning permission was granted by KBC in March 2023 (planning reference 22/00432/OUT) for the demolition and reconfiguration of 2 no. existing units to form 3 no. industrial units with a flexible B2/B8 use together with external alterations and other associated works.
- 1.10 To the south of the site, on the southern side of the A5080 Cronton Road there was also a permitted hybrid application comprising 1800 sq.m gross external area food store (use class



A1), 1161 sq.m gross external area B1/B2 use (business use / general industrial use) with associated car parking, landscaping, highway works, which has since been built out.

Scope of Report

1.11 Considering the nature of the development proposal and the local / planning context, this TS shall feature the following:

- a) Assessment of site location and composition;
- b) Review of local highway network;
- c) Review of local highway safety;
- d) Site accessibility and opportunities for sustainable travel;
- e) Review of proposed development in terms of access, layout and parking; and
- f) Forecast trip attraction (net comparison with extant uses); and
- g) Assessment of parking provision suitability.

1.12 This TS concludes that the development proposal is acceptable, in highway and transportation terms, and there are no reasons that should prevent the highway authority from recommending planning approval of this application.

2 The Application Site & Local Highway Network

Site Location & Composition

- 2.1 The application site is located in Sovereign Industrial Estate, Huyton, approximately 11km east of Liverpool City Centre. It is bound to the north by Unit C of the industrial Estate (located in Phase 1), to the east by Wilson Road, to the south by Cronton Road, and to the west by residential dwellings.
- 2.2 The existing site comprises three warehouse units and an office use all situated within one main building, which are summarised in **Table 2.1** and shown in **Figure 2.1** below.

Unit	Gross Internal Floor Area (m ²)
A	9,503
B	4,493
D	7,405
Total Warehouse	21,401
Office Use	1,449

Table 2.1 Details of Existing Warehouses Uses



Figure 2.1 Existing Layout of Warehouses

- 2.3 The existing area of Sovereign Industrial Estate currently benefits from 254 car parking spaces accessed from Wilson Road, via a wide industrial access with associated gatehouse, located to the east of the industrial Estate. Internal routes within the site are subject to a 10mph speed limit, as shown below in **Figure 2.2**.



Figure 2.2 Photograph of Existing Industrial Access and Gatehouse with Wilson Road

- 2.4 There is a further gated access via a priority junction access located to the northeast of the site also located from Wilson Road, as shown below in **Figure 2.3**.



Figure 2.3 Photograph of Gates access to the northeast corner with Wilson Road

- 2.5 Currently there are 10 Sheffield stands (providing 20 cycles spaces) located at the front of the site, covered by a cycle shelter.

Local Highway Network

Wilson Road

- 2.6 Wilson Road is a two-way single carriageway, approximately 8m – 9m wide, that runs in a broadly north-south alignment in the vicinity of the site and turns towards the northwest to the north of the site. At its northern extent, it forms a 4-way signalised junction with Hall Lane, St John's Road and Huyton Hey Road. At its southern extent, it forms a 4-way signalised junction with the A5080 Cronton Road and Coppice Lane. Wilson Road is subject to a 30mph speed limit along its full length. There is a footway provision on both sides of the carriageway and street lighting along its full length, as shown in **Figure 2.3**.



Figure 2.3 Photograph along Wilson Road (looking north)

A5080 Cronton Road

- 2.7 Cronton Road is a two-way single carriageway that runs on broadly east to west alignment, which forms the southern boundary of the application site. To the east it terminates at Tarbock roundabout, with connections to the M57 and M62 in both directions, and to the west it extends approximately 1.1km before becoming Tarbock Road, which further extends northwest towards Liverpool. Cronton Road is subject to a 30mph speed limit and benefits from street lighting and footways on either side of the carriageway, as shown in **Figure 2.4**.



Figure 2.4 Photograph along Cronton Road (looking west)

M62 and M57

- 2.8 The M62 and M57 meet at Tarbock Roundabout, accessed from the application site via Cronton Road. The M57 extends north forming a ring road around Liverpool, and extends south to meet the A5300. The M62 extends east to Manchester and west towards Liverpool.

Local Highway Safety

- 2.9 For the purpose of this assessment, Personal Injury Collision (PIC) data has been extracted from the CrashMap database which has been reviewed for the most recent five-year period available, within the vicinity of the application site up to 2021.
- 2.10 A CrashMap extract is provided in **Figure 2.5** which indicates the number and severity of collisions, the roads under consideration being as follows:
- a) Wilson Road, from the Wilson Road / Hall Lane / St John's Road / Huyton Hey Road junction to the Wilson Road / Cronton Road junction;
 - b) Cronton Road, from the Cronton Road / Tarbock Roundabout junction to where it becomes Tarbock Road; and
 - c) Tarbock Road, up to its junction with Meadow Drive.

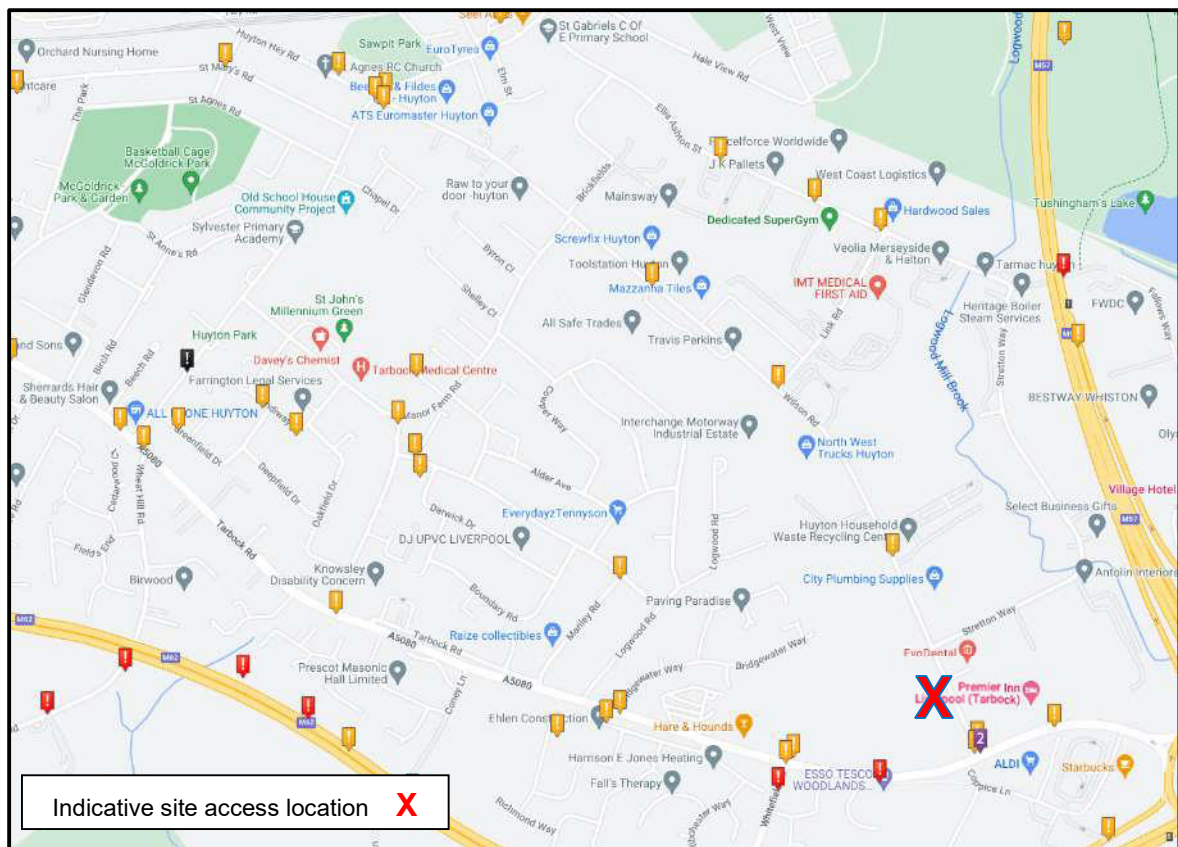


Figure 2.5 CrashMap Extract

Source: CrashMap Online Portal (September 2023)

Review of PICs

- 2.11 The data indicates that at the Wilson Road / Hall Lane / St John's Road / Huyton Hey Road junction, there have been three 'slight' PICs in the most recent five-year period, with three further 'slight' PICs recorded along the length of Wilson Road.
- 2.12 At the Wilson Road / Crontron Road junction, five PICs have been recorded, four of which are classified as 'slight' and one of which is 'serious'.
- 2.13 On Crontron Road, between the Crontron Road / Tarbock Roundabout junction and the Wilson Road / Crontron Road junction, a further 'slight' PIC has been recorded.
- 2.14 On Crontron Road, between its junctions with Whitefield Lane and Wilson Road, a 'serious' PIC has been recorded.
- 2.15 At the Crontron Road / Whitefield Lane junction, three PICs have been recorded, two of them being 'slight' PICs and the other being a 'serious' PIC.
- 2.16 Between the Crontron Road / Whitefield Lane junction and the Tarbock Road / Meadow Drive junction, two 'slight' PICs were recorded.



- 2.17 A total of 18 PICs have been recorded in the most recent five-year period available in the area studied. 15 of these are 'slight' and 3 of these are 'serious'.

Analysis of PICs

- 2.18 The number and distribution of PICs is typical for this category of highway, which is considered to be an arterial route for the local area and experiences a high number of movements / manoeuvres on a daily basis.
- 2.19 The record of PICs in the studied area do not suggest that there are any discernible patterns of highway safety concern within the vicinity of the application site. The spread of these PICs indicates that there is no inherent geometric issue with the local highway network.

Summary

- 2.20 As there is no pattern or history of collisions in the immediate locality of the application site access associated with a dangerous highway network, it is considered that there is no existing safety issue on the local highway network that could be exacerbated by the development proposals. Furthermore, with the low forecast development traffic in real terms (further detail in **Section 5**), this is expected to continue and not materially or discernibly alter the pattern of frequency of collisions on the surrounding highway network.

Existing Traffic Data

- 2.21 In order to establish the existing traffic conditions along Wilson Road, a seven-day Automatic Traffic Count (ATC) survey was commissioned, undertaken by Auto Surveys Ltd, an independent traffic surveyor, between Monday 11th September 2023 and Sunday 17th September 2023. The ATC was undertaken adjacent to the existing site access.
- 2.22 The observed weekday and weekend typical highway peak-hour traffic flows on Wilson Road are summarised in **Table 2.2**, with the full survey results and ATC location attached in **Appendix C**.

Time Period	Direction		
	Northbound	Southbound	Two-Way
Monday to Friday 08:00-09:00	514	429	943
Monday to Friday 17:00-18:00	439	448	997
Saturday Peak (11:00-12:00)	376	401	777

Table 2.2 Average Traffic Flows along Wilson Road



2.23 **Table 2.3** sets out the 85th percentile and average speeds recorded by the ATC.

Direction	Average Speeds (mph)	85 th ile Speeds (mph)
Northbound	29.2	34.6
Southbound	25.6	32.0

Table 2.3 Recorded Vehicle Speeds on Wilson Road

2.24 Recorded 85th percentile speeds and average vehicle speeds have been utilised to assess the suitability of the 2no. site access, which is set out in detail in **Section 4**.



3 Site Accessibility & Opportunities for Sustainable Travel

- 3.1 In order to ensure that the application site can operate sustainably in terms of minimising the overall level of daily vehicular trips to and from the application site, particularly single-occupancy vehicle trips, it is essential to consider what alternative sustainable travel opportunities are present to enable future employees and visitors to choose to travel by non-car modes, as well as identifying what local services and amenities are located in proximity of the application site, which may assist in promoting linked trips.
- 3.2 The application site comprises existing warehouses and ancillary offices, which are located within a wider industrial and commercial area. Therefore, it can be considered to be sustainably located and so a detailed assessment of facilities for non-car travel is not required. Nevertheless, a brief summary of local services, amenities, and infrastructure is provided below.

Proximity to Local Services and Amenities

- 3.3 The application site, being within Liverpool, is situated in proximity to many commercial, industrial and residential uses, which gives a high likelihood of visits to the site making use of linked trips.
- 3.4 A range of existing services and amenities are located within 1km of the application site. These various services and amenities, which staff and visitors to the warehouse uses may also require on a day-to-day basis, include a hotel, Aldi, Tesco and Asda supermarkets, a dentist surgery, a gym, a pub, a number of eateries, a Starbucks café, and a number of commercial retail units.
- 3.5 In addition to the above, it should be noted that there are a number of residential areas within proximity to the application site; therefore, the location of the application site also affords an opportunity for future staff and visitors to travel to the application site by modes other than private car.

Walking & Cycling

Guidance

- 3.6 Walking is the most important mode of travel at a local level as it offers the greatest potential to replace short car trips. The 'National Travel Survey (NTS) 2019' (DfT) found that 80% of all trips of less than 1 mile (1.6km) were made on foot. It should be noted that a new NTS for 2020 has been published which found that 82% of trips under 1mile (1.6km) are undertaken on foot.



However, due to COVID-19 the 2020 NTS had less than half the response rate and experienced substantial missing data, the highway conditions could not be classed as 'normal' which is likely to have impacted on how people travel. NTS therefore state that the 2020 NTS should be interpreted with caution.

- 3.7 The 2019 NTS results detailed above are supported by the definition of a 'walkable neighbourhood' within Manual for Streets whereby facilities required on a day-to-day basis should ideally be located within an 800m walk distance. It also states however that there is not an upper limit and PPG13, whilst although now superseded, continues to set the benchmark in defining that 2km is an appropriate distance that occupiers or visitors to a site could be reasonably expected to walk to access a particular service or amenity.
- 3.8 Cycling also has the potential to substitute for short car trips, further facilitating sustainable travel. Whilst the NTS 2019 (Table NTS0306) notes that the average cycle trip is approximately 3.5 miles (5.6km), the Local Transport Note 1/04: Policy, Planning and Design for Walking and Cycling (page 15), produced by the Department for Transport (DfT) indicates that journeys three times the average distance are not uncommon for regular commuters. The growth of electric bikes is also increasing the propensity to cycle and reducing journey times.

Existing Infrastructure

- 3.9 Wilson Road benefits from wide footways along both sides of the carriageway, with dropped kerbs and tactile paving at all crossings and footway connections throughout the surrounding area.
- 3.10 Cronton Road has footways on both sides of the carriageway connecting to the nearby residential area, with dropped kerbs at all crossings, as shown in **Figure 3.2**. Wilson Road and Cronton Road are both illuminated.
- 3.11 A dropped kerb signalised pedestrian crossing with refuge islands and tactile paving is present at the Wilson Road / Cronton Road junction.
- 3.12 Signalised crossings are present at the Whitefield Lane / Cronton Road junction and at the Wilson Road / Manor Farm Road junction.
- 3.13 The application site is within a comfortable catchment of up to 5km to a range of residential areas and, therefore, it is anticipated that both employees and visitors will be able to both walk to / from the application site.



Public Transport

Bus

- 3.14 The nearest bus stop to the development site, “Coppice Lane”, which is located approximately 230m south of the application site access on Cronton Road. The bus stop benefits from a flag and pole and a dedicated bus lay-by on the carriageway. This bus stop is served by the 6, 7, 50, 61, C42, C46 and C50 bus routes, with destinations including Liverpool Centre, Stockbridge Village, Huyton, and Gillmoss. Services to central Liverpool operate approximately every 20-30 minutes.
- 3.15 A further bus stop, “Wilson Road”, lies approximately 280m from the application site access on Cronton Road. The bus stop benefits from a flag and pole and a dedicated bus lay-by on the carriageway. This bus stop is served by the 7, 50, 61, C42, C46, and C50 bus routes, with destinations including Warrington and Palace Fields.

Summary

- 3.16 The application site is sustainably located with accessibility to a wide range of local services and amenities to promote linked trips, supported by local public transport services. Future employees, visitors and customers will therefore be presented with a range of suitable travel choices to access the application site and will be able to link trips with other pre-existing retail offerings within the vicinity of the application site.

4 Proposed Development

- 4.1 Full planning permission is sought for the configuration and remodelling of existing warehousing / industrial buildings including the demolition of existing offices (1,449 m²) and the construction of a retail unit (2,396 m²) and associated garden centre to be occupied by Home Bargains.
- 4.2 The retail store is proposed to operate on the basis of at least 70% of floor space dedicated to non-food products, and up to 30% for the sale of ancillary food and drink products. As part of the redevelopment, planning permission is also sought for existing Warehouses (Units A and B) to be combined and a new access road constructed along the north western boundary of the site to access the former Warehouse (Unit D) which will necessitate the partial demolition and reconfiguration of existing units. The removal of an existing area of warehouse shall result in a total warehouse area to be reduced from 21,401m² to 19,588m² across all units, and include the relocation of an element of existing office uses.
- 4.3 The Proposed Site Plan, as prepared by AEW Architects (Drawing Ref 13579-AEW-XX-XX-DR-A-0503) is reproduced in **Appendix A**.

Access Strategy

Vehicles

- 4.4 Vehicular access to the application site, will be via one of the existing arrangements to the north of the site fronting Wilson Road, and the reconfiguration of the second junction, as shown in the proposed site layout plan.
- 4.5 As detailed in **Section 2**, the recorded average seven-day speeds on Wilson Road were 34.6mph northbound and 32.0mph southbound.
- 4.6 Accordingly, visibility calculations have applied a deceleration rate of 3.68m/s, and a reaction time of 1.5 seconds, as appropriate, in accordance with Manual for Streets 2 (MfS2) guidance for the purposes of a robust analysis and due to the high HGV content.
- 4.7 On this basis, junction visibility splays of 2.4m x 55.7m to the south (to account for northbound movements) and 2.4m x 49.3m to the north (to account for southbound movements) for the proposed northern and southern access points have been provided and can be achieved within the extent of the public highway, as demonstrated on Rappor drawing 230587-RAP-XX-XX-DR-TP-3204, as reproduced in **Appendix D**.



- 4.8 The design and layout of the existing arrangement is considered commensurate with the speed of the road and operates satisfactorily with no road safety concerns. Its continued use is therefore concluded to be appropriate.

Pedestrians & Cyclists

- 4.9 The proposed pedestrian / cyclist access arrangements of Sovereign Industrial Estate – and thus the application site – shall remain as detailed in **Section 2**. Direct connections are available to the application site from the existing infrastructure in place along both Wilson Road. Pedestrian routes, with dropped kerbs and associated tactile paving, are present along key desire lines and promote sustainable transport within the vicinity of the application site.

Servicing

- 4.10 Servicing / delivery access to the application site's service yard will be via the existing service access and the new access road to Warehouse D.
- 4.11 Swept path analysis assessments demonstrating the suitability of the site access and the internal layout are shown at **Appendix E**. The drawings demonstrate that a maximum legal artic HGVS can access and egress the site using the proposed site accesses, and can turn within the site as necessary.
- 4.12 Forward visibility around the corner of the reconfigured Warehouse D is also demonstrated in **Appendix F**, based on a 15mph vehicle speeds (above the existing 10mph speed limit), and is shown to be suitable.

Parking Provision

- 4.13 Employee and visitor parking to the both the warehouses uses and the proposed retail units has been assessed against the requirements of relevant KBC guidance, as established in the Knowsley Council Ensuring a Choice of Travel Supplementary Planning Document (KCECT SPD), which in agreement with the standards in the Submitted Draft of the North West Plan Partial Review (NWPPR).
- 4.14 Each new parking area will include accessible parking spaces, motorcycle spaces, electric charging points and cycle storage as set out below.

Car Parking

- 4.15 The SPD requires the following standards for car parking for use classes B8 (warehousing), class A1 (Food retail and Non Food Retail).



Proposed Use	SPD Standard	SPD Maximum No of Spaces	Proposed No of Spaces
Warehouse Uses (19,588m ²)	1 space per 100sq.m (max)	Unit A – 135 Spaces Unit B - 61 Spaces Total - 196 Spaces	Unit A – 134 Spaces Unit B - 61 Spaces Total - 195 Spaces
Non-Food Retail (1,677m ²)	1 space per 20sq.m (max)	84 spaces	140 spaces (of which 9no. are Accessible spaces)
Discount Food Retail (719sq.m)	1 space per 14sq.m (max)	52 spaces	

Table 4.1 Standard Car Parking Requirements and Provision

- 4.16 As shown on the Proposed Site Plan, there is a proposed 140no. parking spaces (including the 9no. accessible spaces as set out below) in total associated with the retail store element.
- 4.17 The proposed retail provision is therefore considered to suitable to serve the proposed development, whilst also meets the requirements of the KC ECT SPD.
- 4.18 The overall proposed parking for the Warehousing Uses also meets the requirements of the KC ECT SPD.

Accessible Car Parking

- 4.19 SPD guidance for accessible car parking requires a minimum of 3 bays or 6% of the total capacity whichever is greater for the proposed retail use. Therefore, in accordance with KBC guidance, a minimum of 9no. accessible car parking bays is required. The site layout therefore demonstrates that 9no. accessible parking bays are proposed for the retail element.
- 4.20 For warehouse uses the SPG guidance requires a minimum of 6 spaces + 2% of the proposed capacity, equating to a minimum requirement of 10no. spaces overall. The site layout demonstrates that 11no. accessible parking bays are proposed for the Warehouses uses.
- 4.21 All accessible parking bays will be large enough to facilitate access by wheelchair users (i.e. 3.6m x 4.8m) with two adjoining spaces (comprising a shared space between of 1.2m, and are located close to an entrance to the building, with the route from the space to the building capable of use by a disabled person in accordance with Building Regulations in respect of access to buildings and use of buildings.

Electric Vehicle (EV) Charging Spaces

- 4.22 Whilst there is no defined guidance set out for the provision of electric vehicle charging spaces, a total of 2no. active EV charging spaces shall be provided for the retail use (1 no.



standard space and 1 no .disabled space) from the outset, with passive provision for another 27no. spaces to be implemented as demand increases.

- 4.23 A minimum of 1 EV space shall be provided for each of the two warehouse parking areas with passive provision for a further 39 spaces if required.
- 4.24 In accordance with national guidance spaces shall be provided with 22kW charging points to visitor spaces to the retail store, and a minimum 7Kw charging points in staff areas for the warehousing.
- 4.25 A TP is submitted alongside this TA, which includes proposed measures for car sharing and a potential staff bus service to manage car parking supply and promote sustainable travel choices irrespective of the number of car parking spaces provided.

Motorcycle Parking

- 4.26 The SPD requires the following minimum standards for motorcycle parking for use classes B8 (warehousing), class A1 (Food retail and Non Food Retail).

Proposed Use	SPD Standard	SPD Minimum No of Spaces	Proposed No of Spaces
Warehouse Uses (19,588m ²)	1 space per 2000sq.m (min)	Unit A – 7 Spaces Unit B - 3 Spaces Total - 10 Spaces	Unit A – 7 Spaces Unit B - 3 Spaces Total - 10 Spaces
Non-Food Retail (1,677m ²)	1 space per 500sq.m (min)	4 spaces	7 spaces
Discount Food Retail (719sq.m)	1 space per 350sq.m (min)	2 spaces	

Table 4.2 Motorcycle Parking Requirements and Provision

- 4.27 As shown in **Table 4.2** above, the proposed retail and warehousing provision for motorcycle parking is therefore considered to meet the requirements of the KC ECT SPD.

Cycle Parking Provision

- 4.28 It is proposed that cycle parking be provided adjacent to the entrance to the retail unit which is to be occupied by Home Bargains.
- 4.29 The reconfiguration of the site will necessitate the relocation of existing cycle parking associated with the Warehouse Uses, to adjacent to the entrance to the reconfigured entrances associated with both proposed warehouses.
- 4.30 The SPD requires the following minimum standards for bicycle parking for use classes B8 (warehousing), class A1 (Food retail and Non Food Retail).



Proposed Use	SPD Standard	SPD Minimum No of Spaces	Proposed No of Spaces
Warehouse Uses (19,588m ²)	1 space per 850sq.m (min)	Unit A – 16 Spaces Unit B - 7 Spaces Total - 23 Spaces	Unit A – 16 Spaces Unit B - 7 Spaces Total - 23 Spaces
Non-Food Retail (1,677m ²)	1 space per 200sq.m (min)	9 spaces	17 spaces
Discount Food Retail (719sq.m)	1 space per 140sq.m (min)	6 spaces	

Table 4.3 Bicycle Parking Requirements and Provision

4.31 As shown in **Table 4.3** above, the proposed retail and warehousing provision for bicycle parking is therefore considered to meet the requirements of the KC ECT SPD.

5 Forecast Trip Attraction

- 5.1 This section considers the trip attraction associated with both the existing and proposed site uses, using trip rates derived from the TRICS database (Version 7.10.3), and provides an overall net trip comparison to assess any changes of impact predicted on the local highway network.
- 5.2 Based on the existing and proposed uses at the application site, it is suggested that net-impact trip attraction assessments for the following scenarios would be appropriate:
- a) Weekday typical AM Peak (08:00 – 09:00);
 - b) Weekday typical PM peak (17:00 to 18:00); and
 - c) Saturday operational peak(s).
- 5.3 A summary of the selection criteria from the TRICS database used to filter suitable, comparable sites is provided below:
- a) Sites located in England (excluding Greater London), Wales, and Scotland;
 - b) Sites located in Suburban, Edge of Town, and Edge of Town Centre locations;
 - c) Weekday and Saturday surveys, where impact of the proposed development would be greatest; and
 - d) Sites without Travel Plans.

Extant Trip Attraction

Existing B2 Industrial Warehouse and Offices Uses

- 5.4 Although the existing warehouse and office units are currently unoccupied, it could theoretically be re-occupied. Therefore, it is capable of attracting traffic movements in its own right and as such, the existing trip assessment has been based on this possible scenario under the current planning permission.
- 5.5 A summary of trip rates and forecast traffic attraction in relation to the existing use is set out in **Table 5.1**, whilst a copy of the associated TRICS output is provided in **Appendix G** and **H**.



Existing Development	Time Period	Trip Rate per 100sq.m			Trip Attraction		
		Arr.	Dep.	Total	Arr.	Dep.	Total
Warehouse Uses (21,401m ²)	AM Peak (08:00 – 09:00)	0.124	0.08	0.204	27	17	44
	PM Peak (17:00 – 18:00)	0.090	0.154	0.244	19	33	52
	Saturday Peak (14:00 – 15:00)	0.000	0.000	0.000	0	0	0
Office Unit (1,449m ²)	AM Peak (08:00 – 09:00)	1.276	0.147	1.423	18	2	21*
	PM Peak (17:00 – 18:00)	0.091	1.090	1.181	1	16	17
	Saturday Peak (14:00 – 15:00)	0.000	0.000	0.000	0	0	0
Total Development	AM Peak (08:00 – 09:00)	-	-	-	45	19	65*
	PM Peak (17:00 – 18:00)	-	-	-	20	49	69
	Saturday Peak (14:00– 15:00)	-	-	-	0	0	0

Table 5.1 Extant Trip Attraction

(*note: summation subject to cumulative rounding)

- 5.6 **Table 5.1** indicates that the application site could theoretically attract approximately 65 and 69 two-way vehicle trips in the weekday AM and PM peak periods, respectively, whilst it is unlikely to have attracted any two-way vehicle trips during the Saturday operational peak period due to the typical weekday nature of warehousing operations.

Proposed Trip Attraction

Home Bargains Retail Use (Non-Food Retail including 30% Discount Food Store)

- 5.7 As detailed in **Section 1**, planning permission is sought for a Home Bargains comprising a total 2,396m² floorspace with an external Garden Centre, of which 70% (1,677m²) of the store shall be non food retail, and the remaining 30% (719m²) of the store shall comprise a discount food store.
- 5.8 Although the development proposals comprise an external garden centre this is considered to be ancillary in nature, given its relatively small floor coverage and that access is only achieved via the main Home Bargains store. Therefore, it is not envisaged to be a primary retail destination – and this a trip attractor – in its own right.
- 5.9 A summary of resultant trip rates and predicted traffic attraction in relation to the development proposals is provided at **Table 5.2**, with a copy of the associated TRICS output provided in **Appendix I** and **J**.



Development Type	Time Period	Trip Rate (per 100sq.m)			Trip Attraction Non-Food & Discount Food		
		Arr.	Dep.	Total	Arr.	Dep.	Total
Non-Food Retail (1,677m ²)	AM Peak (08:00 – 09:00)	0.117	0.015	0.132	2	0	2
	PM Peak (17:00 to 18:00)	0.599	0.673	1.272	10	11	21
	Saturday Operational Peak (14:00 – 15:00)	3.495	3.484	6.979	59	58	117
Discount Food Retail (719sq.m)	AM Peak (08:00 – 09:00)	2.843	2.050	4.893	20	15	35
	PM Peak (17:00 to 18:00)	4.455	4.962	9.417	32	36	68
	Saturday Operational Peak (14:00 – 15:00)	5.520	5.623	11.143	40	40	80
Total Proposed Home Bargains (1,677m ² + 719m ²)	AM Peak (08:00 – 09:00)	-	-	-	22	15	37
	PM Peak (17:00 to 18:00)	-	-	-	42	47	89
	Saturday Operational Peak (14:00 – 15:00)	-	-	-	99	98	197

Table 5.2 Proposed Trip Rates and Trip Attraction - Home Bargains

- 5.10 **Table 5.2** indicates that the development proposals may attract approximately 37 two-way trips in the AM Peak, 89 two-way trips in the PM Peak, and 197 two-way trips in the typical Saturday peak hour.

Proposed Warehouse Use

- 5.11 As also detailed in **Section 1**, planning permission is sought for existing warehouses (Units A and B) to be combined and a new access road constructed along the north western boundary of the site to access the former warehouse (Unit D) which will necessitate the part demolition and reconfiguration of existing units, resulting in a total warehouse area of 19,588m² across all units.
- 5.12 A summary of resultant trip rates and predicted traffic attraction in relation to the warehouse development proposals is provided at **Table 5.3**, using the same trips rates the existing warehouse elements, as provided in **Appendix G**.



Development Type	Time Period	Trip Rate (per 100sq.m)			Trip Attraction Non-Food & Discount Food		
		Arr.	Dep.	Total	Arr.	Dep.	Total
Warehouse Uses (19,588m ²)	AM Peak (08:00 – 09:00)	0.124	0.08	0.204	24	16	40
	PM Peak (17:00 – 18:00)	0.090	0.154	0.244	18	30	48
	Saturday Peak (14:00 – 15:00)	0.000	0.000	0.000	0	0	0

Table 5.3 Proposed Trip Rates and Trip Attraction: (Warehouse Use)

**Note: summation subject to cumulative rounding*

5.13 **Table 5.3** indicates that the development proposals may attract approximately 40 two-way trips in the AM Peak, 48 two-way trips in the PM Peak, and is unlikely to have attracted any two-way vehicle trips during the Saturday operational peak period due to the typical weekday nature of warehousing operations.

Total Proposed Trip Attraction

5.14 **Table 5.4** sets out the total anticipated trip attraction based on the proposed development (**Tables 5.2 and 5.3**) at Sovereign Industrial Estate.

Development	Time Period	Total Trip Attraction		
		Arrivals	Departures	Total
Proposed Home Bargains Retail Store	AM Peak (08:00 – 09:00)	22	15	37
	PM Peak (17:00 to 18:00)	42	47	89
	Saturday Operational Peak (14:00 – 15:00)	99	98	197
Proposed Warehouse Uses	AM Peak (08:00 – 09:00)	24	16	40
	PM Peak (17:00 to 18:00)	18	30	48
	Saturday Operational Peak (14:00 – 15:00)	0	0	0
Total Development	AM Peak (08:00 – 09:00)	46	31	77
	PM Peak (17:00 to 18:00)	60	77	137
	Saturday Operational Peak (14:00 – 15:00)	99	98	197

Table 5.4 Total Proposed Trip Attraction



- 5.15 **Table 5.4** indicates that with the development proposals in place, the development at Sovereign Industrial Estate could attract approximately 77 two-way trips in the AM Peak, 137 two-way trips in the PM Peak, and 197 two-way trips during the typical Saturday peak period.

Net Trip Impact

- 5.16 In order to consider the overall net trip impact of the development proposal on the local highway network, a comparison of the existing and forecast trips set out in **Tables 5.1** and **Table 5.4**, is provided in **Table 5.5**.

Development Type	Time Period	Net Trip Impact		
		Arrivals	Departures	Total
Extant Use – Warehouse + Office (Table 5.1)	AM Peak (08:00 – 09:00)	45	19	65
	PM Peak (17:00 to 18:00)	20	49	69
	Saturday Peak (14:00 – 15:00)	0	0	0
Proposed Use - B2/B8 Warehouse Uses + Proposed Home Bargains (Table 5.4)	AM Peak (08:00 – 09:00)	46	31	77
	PM Peak (17:00 to 18:00)	60	77	137
	Saturday Peak (14:00 – 15:00)	99	98	197
Total Development (Proposed Use – Extant Use)	AM Peak (08:00 – 09:00)	+1	+12	+12*
	PM Peak (17:00 to 18:00)	+40	+28	+68
	Saturday Peak (14:00 – 15:00)	+99	+98	+197

Table 5.6 Net Trip Impact Assessment

**Note: summation subject to cumulative rounding*

- 5.17 **Table 5.6** indicates that the proposed development is expected to result in an increase traffic attraction of approximately 12 two-way trips in the weekday AM peak and 68 two-way vehicle trips in the weekday PM peak. The Saturday operational peak would result in an increase of 197 two-way trips.
- 5.18 On average, this equates to an increase one of vehicle every 5 minutes in the weekday AM peak hour, an increase of one of vehicle every 1 minute in the PM peak hour, and an increase of three vehicles trip approximately every minute during the Saturday peak period.



Revised Net Trip Attraction

- 5.19 However, further to the above, and in recognition that not all trips to either the extant warehouse use, or the proposed Home Bargains store, would be entirely 'new' to the local highway network, Rappor has recently commissioned a customer trip type survey at an existing, free-standing Home Bargains store (Home Bargains, Retford) to ascertain a breakdown of trip types.
- 5.20 The survey was undertaken by Paul Castle Associates, an independent multimodal travel surveyor, on Thursday 9th February and Saturday 11th February 2023 between the hours of 08:00 and 20:00. The survey was carried out in the form of a face-to-face questionnaire and recorded 211 responses from car drivers. The results of the survey are provided in **Appendix K**, whilst a summary of the trip types based on the customer responses is provided in **Table 5.7**.

Trip Type	Percentage of Trips
New / Primary Trips	27.5%
Pass-By / Diverted Trips	9%
Linked Trips	63.5%
Total Trips	100%

Table 5.7 Trip Type Percentages

- 5.21 As indicated in **Table 5.7** the survey states that 27.5% of all car drivers were primary and only visiting the discount retailer and thus may be classified as 'new' trips to the network. Whilst 9% of car drivers did not originally intend to visit the store and thus may be classified as undertaking a 'diverted' or 'pass-by' trip. Furthermore, the remaining 63.5% of car drivers either travelled from another destination or were about to undertake an onward journey and thus may be classified as undertaking a 'linked' trip.
- 5.22 The customer trip type survey is considered to provide relevant, robust and applicable data to demonstrate that a proportion of new and pass-by and / or diverted trips shall be associated with both the extant use, as well as the development proposal.
- 5.23 Considering the percentages detailed above, **Table 5.8** provides a revised net trip impact assessment which accounts for the 'reduction' of 'new trips' due to the 63.5% being classified as linked trips and 9% pass by / diverted trips, as distinguished by the customer survey, and therefore already existing on the local highway network. The percentage of 'new primary trips' has been applied to the trip attraction of proposed trips, given that it could theoretically attract a similar level of linked / diverted trips.



Period	Revised Net Impact		
	Arrivals	Departures	Two-way
AM Peak (08:00-09:00)	0	+3	+3
PM Peak (17:00-18:00)	+11	+8	+19
Sat Peak (14:00-15:00)	+27	+27	+54

Table 5.8 Revised Net Trip Impact

5.24 **Table 5.8** indicates that the proposed development could be associated with an additional 3 and 19 two-way new vehicle trips during the AM and PM peak, respectively, and 54 new two-way vehicle trips during the Saturday operational peak.

5.25 Whilst the results of the customer surveys do not establish whether those pass-by or linked trips would be already be travelling nearby itself if they were not visiting the site, it is still evident that the majority of vehicle trips associated with the store would already be on the surrounding major roads, regardless of whether a trip to the retail unit is made.

Summary

5.26 The net traffic impact identified in this section suggests an immaterial increase in vehicle movements during both the weekday AM and PM peak periods, and during Saturday peak period. Therefore, the traffic associated with the development proposal will not have a severe impact on the safety or operation on the local highway network.



6 Summary & Conclusion

Summary

- 6.1 Rappor Consultants Ltd have been instructed by DAVOS Property Developments Ltd to prepare a Transport Statement (TS) in support of a planning application concerning the redevelopment of Sovereign Industrial Estate in Huyton, Liverpool.
- 6.2 Full planning permission is sought for the configuration and remodelling of existing warehousing / industrial buildings including the demolition of existing offices and the construction of a retail unit and associated garden centre to be occupied by Home Bargains.
- 6.3 The retail store is proposed to operate on the basis of at least 70% of floor space dedicated to non-food products, and up to 30% for the sale of ancillary food and drink products. It is important to note that the nature of the food and drink items on sale (discount products) do not mirror the typical offerings associated with conventional food-based retailers (fresh foods etc). Therefore, they are associated with a different trip attraction pattern, which is less intensive and primarily linked to the sale of non-food goods within the store.
- 6.4 As part of the redevelopment, planning permission is also sought for existing warehouses (Units A and B) to be combined and a new access road constructed along the north western boundary of the site to access the former warehouse (Unit D) which will necessitate the partial demolition and reconfiguration of existing units. This TS has demonstrated the following:
 - a) A review of the local highway network and accident data indicates that there are no inherent / apparent local highway safety issues;
 - b) The application site is sustainably located and accessible to a range of services and amenities in addition to public transport linkages;
 - c) Access to the application site will be retained via amended access arrangement to be located in approximately the same location as existing;
 - d) The existing internal site layout / operation shall be reconfigured and has been demonstrated to operate efficiently, as demonstrated by swept path analysis of vehicles and is therefore concluded to be appropriate to serve the application site;
 - e) Parking provision for cars, including accessible spaces, motorcycle spaces and EV Charging are in accordance with KC ECT SPD.
 - f) Cycle Parking provision is in accordance with KC ECT SPD.



- g) Forecast trip attraction and net trip impact indicates a minor increase during the weekday network peak periods, and the Saturday peak period, when existing flows on the local highway network are lower.

Conclusion

- 6.5 Rappor concludes that the proposed development will not have a material impact upon the safety or operation of the surrounding local highway network and as such, there are no significant highways and transportation matters that should preclude the Local Planning Authority from approving this planning application.

rappor



Rappor Consultants Ltd

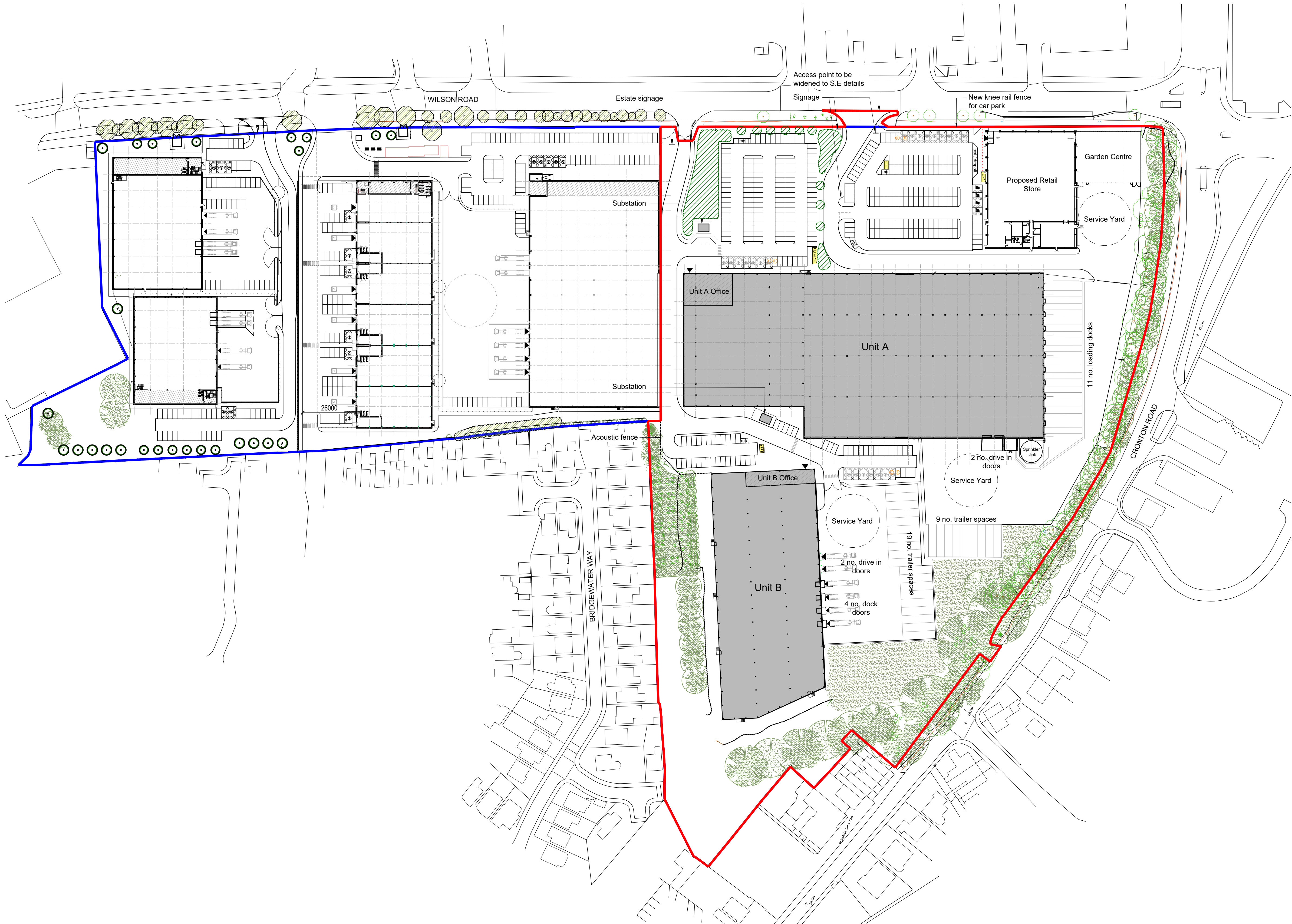
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Cheltenham
Bristol
London
Bedford
Exeter
Cirencester





Appendix A – Proposed Phase 2 Site Plan, as prepared by AEW Architects



Schedule of Accommodation							
Unit	Ground Floor GIA	First Floor / Office GIA	Total GIA	Car Parking (Accessible)	Cycle Parking	Motorcycle Parking	EV Charging Point (Enabled with ducting)
Unit A	13,122 m² / 141,250 ft²	372 m² / 4,000 ft²	13,494 m² / 145,250 ft²	134 (7)	16	7	1 (27)
Unit B	5,862 m² / 63,100 ft²	232 m² / 2,500 ft²	6,094 m² / 65,600 ft²	61 (7)	7	3	1 (12)
Retail Store			2,396 m² / 25,790 ft²	140 (9)	17	7	1 (27)
TOTAL SITE GIA			21,984 m² / 236,640 ft²	335 (23)	40	15	3 (66)

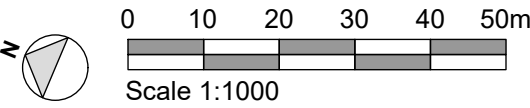
- NOTES
- AEWTP026C
- All dimensions and levels are to be checked on site.
 - Any discrepancies are to be reported to the architect before any work commences
 - This drawing shall not be scaled to ascertain any dimensions. Work to figured dimensions only.
 - This drawing shall not be reproduced without express written permission from AEW.
 - Title overlay drawings and ownership boundaries are produced using all reasonable endeavors. AEW cannot be responsible for the accuracy or scale discrepancy of base plans supplied to them.
 - All works are to be undertaken in accordance with Building Regulations and the latest British Standards.
 - All proprietary materials and products are to be used strictly in accordance with the manufacturers recommendations.

CDM 2015

Client notified of duties: 27/11/20

Principal Designer: Client

Unless noted below, all known hazards have been highlighted on the drawing:



- LEGEND
- Ownership boundary
 - Red line site boundary
 - Electric Vehicle Charging Bay (1no. point for 2no. spaces)
 - Covered trolley bay
 - Cycle parking
 - Proposed soft landscaping

P05	16/10/23	DW	DRS
Easement and future EV provision omitted			
P04	16/10/23	DW	DRS
Retail unit footprint and associated street furniture update to client's comments			
P03	28/09/23	SG	DRS
Parking numbers updated			
P02	25/09/23	SG	DRS
Site entrance revised following tracking analysis			
P01	21/09/23	SG	DRS
Initial issue			
REV	Date	Drawn by: -	Checked by: -
Status	Purpose of Issue		
S2	For Information		
drawing stage	Stage 3 Spatial Coordination		
client			

Davos Industrial Ltd.

project

Sovereign Distillery Huyton

drawing title

Proposed Site Plan

date

Sept 2023

drawn

SG

scale@A1

1:1000

checked

DRS



Appendix B – Approved Phase 1 Site Plan

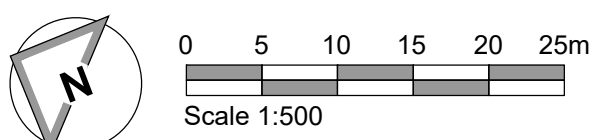
- NOTES
- AEWTP033B
- All dimensions and levels are to be checked on site
 - Any discrepancies are to be reported to the architect before any work commences
 - This drawing shall not be scaled to ascertain any dimensions. Work to fixed dimensions only
 - This drawing shall not be reproduced without express written permission from AEW.
 - Title overlay drawings and ownership boundaries are produced using all reasonable endeavours. AEW cannot be responsible for the accuracy or scale discrepancy of base plans supplied to them.
 - All works are to be undertaken in accordance with Building Regulations and the latest British Standards.
 - All proprietary materials and products are to be used strictly in accordance with the manufacturers recommendations.

CDM 2015

Client method of duties: 12/19/21

Principal Designer: Network Space

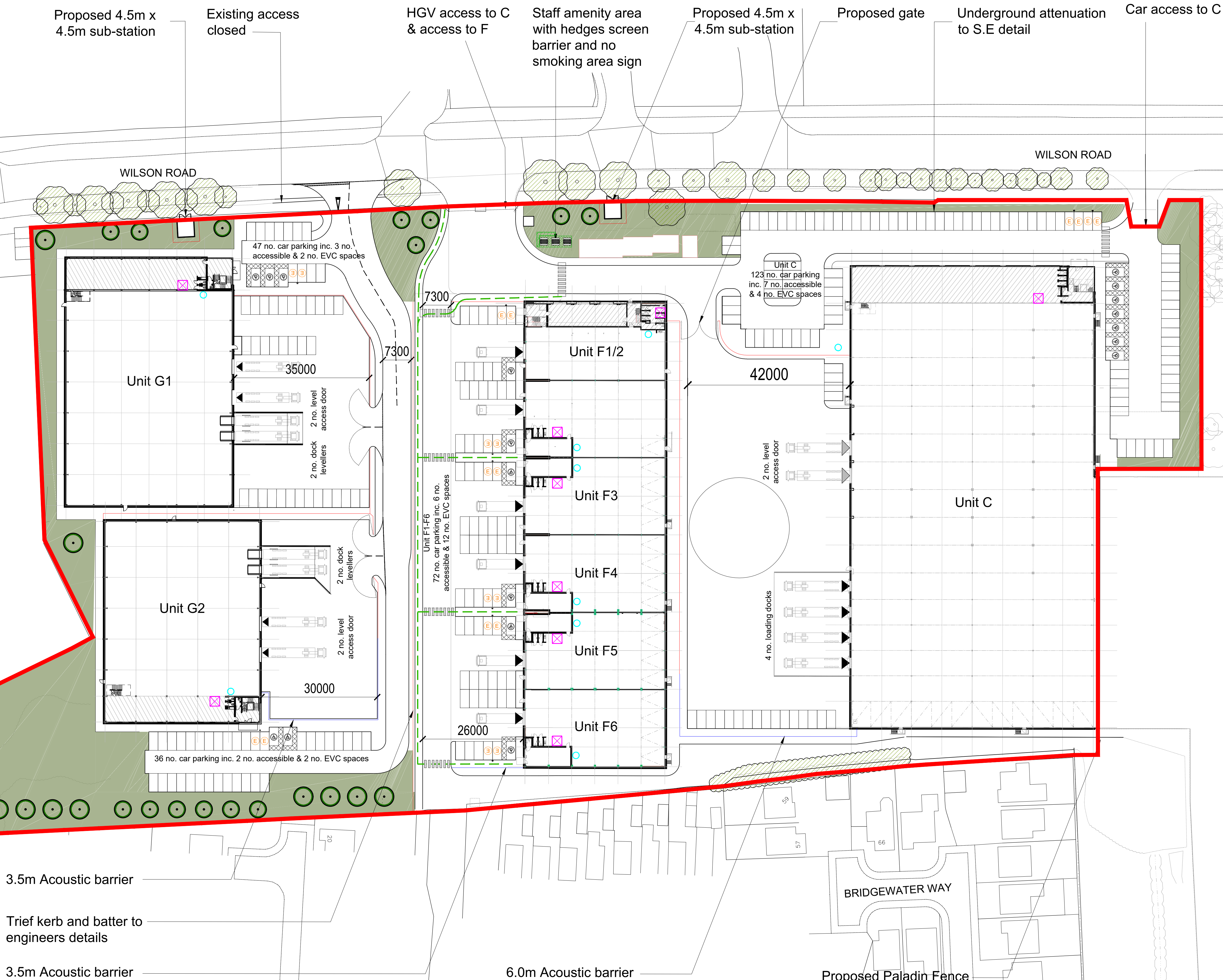
Unless noted below, all known hazards have been highlighted on the drawing:



- Red line site boundary: 11.04 acres / 4.47 ha
- Electric Vehicle Charging spaces
- Future shower/change & locker provision
- Cycle parking location
- Amended route for pedestrian connectivity

P13	08/02/23	HN	AL
Amended red line boundary			
P12	20/01/23	HN	AL
Amended car parking for Unit F1-6 and pedestrian routes shown			
P11	10/01/23	HN	AL
Amended access to G1 & G2 shown. Car parking amended accordingly			
P10	08/12/22	HN	AL
Parking layout and red line amended			
P09	03/11/22	CF	DRS
Staff amenity areas indicated			
P08	21/10/22	DJS	DRS
Cycle storage & shower provisions indicated			
P07	24/06/22	CF	DRS
Dock positions updated and fire exit door added to Unit C			
P06	16/06/22	DJS	DRS
Reduction in number of dock levelers to Unit C			
P05	17/05/22	CF	DRS
General Update			
P04	11/05/22	DJS	DRS
Dock levelers added to Unit G2, 2no. sub-stations added to West of the site			
P03	25/02/22	DJS	DRS
General Update			
P02	11/02/22	DJS	DRS
Planning Issue			
P01	20/01/22	DJS	DRS
Initial Issue			
REV	Date	Drawn by -	Checked by -
Status	Purpose of Issue		
S2	For Information		
Planning			
Drawing stage:			
Client:			
Project:			
Drawing file:			
date:			
scale:			

Schedule of Accommodation				
Unit	Ground Floor GIA	First Floor / Office GIA	TOTAL UNIT GIA	Car Parking (Accessible)
Unit C	7,436 m² / 80,041 ft²	557 m² / 5,996 ft²	7,993 m² / 86,037 ft²	123 (7)
Unit F1	712 m² / 7,694 ft²	216 m² / 2,347 ft²	930 m² / 10,011 ft²	12 (1)
Unit F2	711 m² / 7,653 ft²	-	711 m² / 7,653 ft²	12 (1)
Unit F3	711 m² / 7,653 ft²	-	711 m² / 7,653 ft²	12 (1)
Unit F4	713 m² / 7,675 ft²	-	713 m² / 7,675 ft²	12 (1)
Unit F5	709 m² / 7,632 ft²	-	709 m² / 7,632 ft²	12 (1)
Unit F6	718 m² / 7,729 ft²	-	718 m² / 7,729 ft²	12 (1)
Unit G1	2,752 m² / 29,622 ft²	344 m² / 3,703 ft²	3,096 m² / 33,325 ft²	47 (3)
Unit G2	2,080 m² / 22,389 ft²	260 m² / 2,799 ft²	2,340 m² / 25,188 ft²	36 (2)
TOTAL SITE GIA				278 (18)





Appendix C – Automatic Traffic Count Survey Results

12667 LIVERPOOL										
SEPTEMBER 2023					Posted Speed Limit (PSL)	Total Vehicles	5 Day Ave.	7 Day Ave.	Average 85%ile Speed	Average Mean Speed
Site	Location	Direction	Start Date	End Date						
Site No: 12667001	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd 53.3995732,-2.81596	Channel: Northbound	Mon 11-Sep-23	Sun 17-Sep-23	30	40324	6605	5761	34.6	29.2
		Channel: Southbound	Mon 11-Sep-23	Sun 17-Sep-23		38941	6390	5563	32.0	25.6

12667			LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd						
Mon 11-Sep-23 to Sun 17-Sep-23						Channel: Northbound									
													FIVE OR LESS		
			CARS OR	LIGHT		TWO AXLE,	THREE	FOUR OR	FOUR OR			SIX OR	AXLE	SIX AXLE	SEVEN
TIME	TOTAL	MOTOR-	CAR-	GOODS	BUSES	SIX TYRE,	AXLE	MORE	LESS	FIVE AXLE	AXLE	MORE	MULTI-	MULTI-	OR
PERIOD	VEHICLES	CYCLES	BASED	VEHICLES		RIGID/BUSES	RIGID	AXLE	AXLE	ARTIC	ARTIC	AXLE	TRAILER	TRAILER	AXLE
			LGV					RIGID	ARTIC				ARTIC	ARTIC	ARTIC
Mon 11-Sep-23															
00:00	11	0	10	1	0	0	0	0	0	0	0	0	0	0	0
01:00	13	0	10	2	0	0	0	0	0	0	0	1	0	0	0
02:00	9	0	5	4	0	0	0	0	0	0	0	0	0	0	0
03:00	21	0	13	6	1	0	0	0	0	0	0	0	1	0	0
04:00	36	1	24	8	1	0	1	0	0	0	0	1	0	0	0
05:00	103	1	80	17	1	0	0	0	0	0	0	1	3	0	0
06:00	265	0	214	34	0	3	1	0	5	0	2	6	0	0	0
07:00	519	3	416	83	2	3	0	0	4	1	5	2	0	0	0
08:00	556	2	467	68	2	4	3	0	1	1	5	3	0	0	0
09:00	486	1	355	94	3	4	8	0	9	0	2	10	0	0	0
10:00	462	1	352	76	6	6	7	0	4	0	4	6	0	0	0
11:00	427	2	323	72	5	2	4	0	12	0	4	3	0	0	0
12:00	554	2	436	84	1	2	10	0	9	0	3	7	0	0	0
13:00	517	1	408	74	3	3	11	1	11	0	3	2	0	0	0
14:00	521	2	420	70	1	2	8	0	12	0	0	6	0	0	0
15:00	490	1	381	84	2	1	0	0	8	1	1	11	0	0	0
16:00	496	2	408	67	0	8	2	0	5	1	1	2	0	0	0
17:00	439	3	368	53	3	3	1	0	4	0	1	3	0	0	0
18:00	307	1	266	33	0	2	1	0	0	0	1	3	0	0	0
19:00	225	1	200	18	0	1	0	0	1	0	0	4	0	0	0
20:00	157	1	144	10	0	1	0	0	0	0	1	0	0	0	0
21:00	65	1	61	3	0	0	0	0	0	0	0	0	0	0	0
22:00	61	1	58	2	0	0	0	0	0	0	0	0	0	0	0
23:00	29	0	20	8	0	1	0	0	0	0	0	0	0	0	0
12H,7-19	5774	21	4600	858	28	40	55	1	79	4	30	58	0	0	0
16H,6-22	6486	24	5219	923	28	45	56	1	85	4	33	68	0	0	0
18H,6-24	6576	25	5297	933	28	46	56	1	85	4	33	68	0	0	0
24H,0-24	6769	27	5439	971	31	46	57	1	85	4	36	72	0	0	0

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Northbound												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS		SEVEN OR MORE AXLE ARTIC	
												AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC		
Tue 12-Sep-23															
00:00	22	1	17	2	0	0	0	0	0	0	1	1	0	0	
01:00	16	0	11	2	0	0	0	0	0	0	2	1	0	0	
02:00	18	0	13	3	0	0	0	0	0	0	1	1	0	0	
03:00	18	0	10	5	1	0	0	0	0	0	0	2	0	0	
04:00	38	1	30	4	2	0	0	0	1	0	0	0	0	0	
05:00	112	0	83	20	1	1	0	0	0	0	4	3	0	0	
06:00	273	2	215	46	0	1	0	0	2	0	5	2	0	0	
07:00	466	2	370	78	0	1	4	0	9	0	0	2	0	0	
08:00	524	0	423	74	0	5	6	0	7	2	1	6	0	0	
09:00	498	1	397	70	5	3	9	1	6	0	3	3	0	0	
10:00	473	0	349	89	3	3	8	0	7	0	3	11	0	0	
11:00	474	0	352	77	8	4	10	0	12	0	6	5	0	0	
12:00	529	3	416	73	5	3	9	0	7	0	4	9	0	0	
13:00	515	3	399	74	4	6	9	0	11	0	6	3	0	0	
14:00	518	2	393	87	1	9	11	0	8	1	2	4	0	0	
15:00	501	2	398	66	3	7	10	0	11	1	0	3	0	0	
16:00	564	1	481	56	1	7	5	0	4	0	2	7	0	0	
17:00	551	1	471	66	1	5	4	0	0	0	0	3	0	0	
18:00	306	1	261	28	0	3	8	0	1	0	2	2	0	0	
19:00	192	2	171	10	0	0	6	0	1	0	1	1	0	0	
20:00	144	1	123	6	1	0	11	0	0	0	1	1	0	0	
21:00	102	3	87	4	0	1	6	0	0	0	1	0	0	0	
22:00	47	1	38	4	0	1	3	0	0	0	0	0	0	0	
23:00	36	0	27	2	0	2	2	0	0	0	1	2	0	0	
12H,7-19	5919	16	4710	838	31	56	93	1	83	4	29	58	0	0	
16H,6-22	6630	24	5306	904	32	58	116	1	86	4	37	62	0	0	
18H,6-24	6713	25	5371	910	32	61	121	1	86	4	38	64	0	0	
24H,0-24	6937	27	5535	946	36	62	121	1	87	4	46	72	0	0	

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Northbound												
			CARS OR	LIGHT		TWO AXLE,	THREE	FOUR OR	FOUR OR		SIX OR	FIVE OR	SIX AXLE	SEVEN	
TIME	TOTAL	MOTOR-	CAR-	GOODS	BUSES	SIX TYRE,	AXLE	MORE	LESS	FIVE AXLE	MORE	LESS	TRAILER	OR	
PERIOD	VEHICLES	CYCLES	BASED	VEHICLES		RIGID/BUSES	RIGID	AXLE	AXLE	ARTIC	AXLE	ARTIC	ARTIC	ARTIC	
Wed 13-Sep-23															
00:00	22	1	13	4	0	1	1	0	0	0	2	0	0	0	
01:00	12	0	6	2	0	0	2	0	0	0	1	1	0	0	
02:00	12	0	7	3	0	0	1	0	0	0	1	0	0	0	
03:00	16	0	10	3	1	0	0	0	1	0	1	0	0	0	
04:00	53	1	36	6	1	1	5	0	0	0	2	1	0	0	
05:00	107	1	80	14	2	1	3	0	1	0	4	1	0	0	
06:00	280	0	229	27	2	0	7	0	6	0	4	4	1	0	
07:00	469	1	370	71	0	4	15	0	5	1	2	0	0	0	
08:00	510	4	422	66	2	0	10	0	4	0	1	1	0	0	
09:00	501	2	384	86	4	2	6	0	10	0	3	4	0	0	
10:00	481	2	343	89	6	7	14	0	12	1	3	4	0	0	
11:00	413	3	322	61	3	4	9	0	6	0	4	1	0	0	
12:00	473	2	372	67	3	5	6	0	8	0	4	6	0	0	
13:00	491	1	380	71	6	4	12	0	10	0	4	3	0	0	
14:00	512	0	381	97	2	4	9	0	8	2	4	5	0	0	
15:00	472	0	349	92	4	7	4	0	4	2	1	9	0	0	
16:00	434	1	332	71	1	7	9	0	5	0	4	4	0	0	
17:00	461	3	371	72	1	5	1	0	2	0	3	3	0	0	
18:00	321	1	257	50	3	7	1	0	1	0	0	1	0	0	
19:00	239	0	205	27	1	1	1	0	0	0	0	4	0	0	
20:00	156	0	131	18	0	1	0	0	1	0	2	3	0	0	
21:00	85	1	74	8	0	1	0	0	0	0	0	1	0	0	
22:00	55	0	46	6	0	1	0	0	0	0	0	2	0	0	
23:00	21	0	15	5	0	0	1	0	0	0	0	0	0	0	
12H,7-19	5538	20	4283	893	35	56	96	0	75	6	33	41	0	0	
16H,6-22	6298	21	4922	973	38	59	104	0	82	6	39	53	1	0	
18H,6-24	6374	21	4983	984	38	60	105	0	82	6	39	55	1	0	
24H,0-24	6596	24	5135	1016	42	63	117	0	84	6	50	58	1	0	

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Northbound												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS		SEVEN OR MORE AXLE ARTIC	
												AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC		
Thu 14-Sep-23															
00:00	24	0	16	6	0	0	0	0	0	0	2	0	0	0	
01:00	8	0	3	2	0	0	0	0	0	0	1	2	0	0	
02:00	13	0	8	5	0	0	0	0	0	0	0	0	0	0	
03:00	18	0	11	6	0	0	0	0	1	0	0	0	0	0	
04:00	50	1	34	10	1	0	0	0	0	0	1	3	0	0	
05:00	112	0	82	13	1	4	1	1	1	0	6	3	0	0	
06:00	267	2	197	46	2	4	0	0	6	0	7	3	0	0	
07:00	453	0	334	99	2	5	1	0	4	0	5	3	0	0	
08:00	501	0	377	96	3	5	4	0	6	1	7	2	0	0	
09:00	441	2	324	82	4	7	12	0	2	0	3	5	0	0	
10:00	388	0	273	78	3	8	5	0	7	0	7	7	0	0	
11:00	435	4	310	80	5	9	11	0	6	0	4	6	0	0	
12:00	465	1	339	83	2	10	11	0	7	1	5	5	1	0	
13:00	481	1	370	83	3	4	9	0	3	0	6	2	0	0	
14:00	476	0	359	88	0	5	4	0	13	1	3	3	0	0	
15:00	461	1	337	95	2	4	3	0	9	0	4	6	0	0	
16:00	455	1	360	73	0	9	3	0	7	0	0	2	0	0	
17:00	419	2	341	59	1	7	1	0	0	0	4	4	0	0	
18:00	294	1	256	32	0	2	0	0	1	0	0	2	0	0	
19:00	207	0	188	15	0	2	0	0	0	0	1	1	0	0	
20:00	130	0	119	8	0	0	0	0	1	0	1	1	0	0	
21:00	67	0	61	4	0	1	0	0	0	0	0	1	0	0	
22:00	65	1	49	13	0	1	0	0	0	0	0	1	0	0	
23:00	28	0	17	9	1	0	0	0	0	0	0	1	0	0	
12H,7-19	5269	13	3980	948	25	75	64	0	65	3	48	47	1	0	
16H,6-22	5940	15	4545	1021	27	82	64	0	72	3	57	53	1	0	
18H,6-24	6033	16	4611	1043	28	83	64	0	72	3	57	55	1	0	
24H,0-24	6258	17	4765	1085	30	87	65	1	74	3	67	63	1	0	

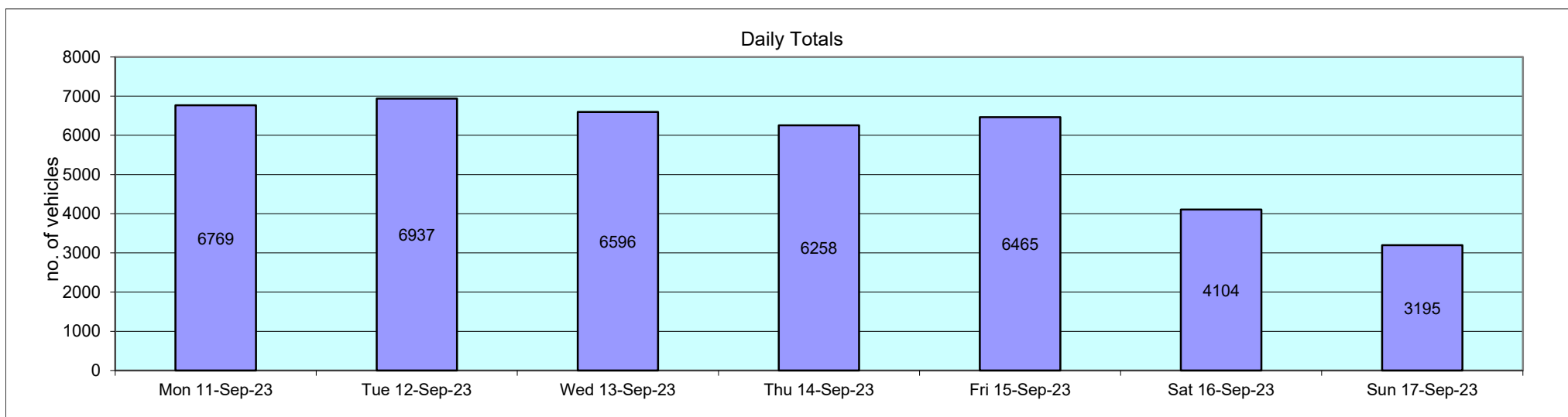
12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Northbound												
													FIVE OR LESS		
			CARS OR	LIGHT		TWO AXLE,	THREE	FOUR OR	FOUR OR		SIX OR		AXLE	SIX AXLE	SEVEN
TIME	TOTAL	MOTOR-	CAR-	GOODS	BUSES	SIX TYRE,	AXLE	MORE	LESS	FIVE AXLE	MORE	AXLE	MULTI-	MULTI-	OR
PERIOD	VEHICLES	CYCLES	BASED	VEHICLES		RIGID/BUSES	RIGID	AXLE	AXLE	ARTIC	AXLE	ARTIC	TRAILER	TRAILER	AXLE
			LGV					RIGID	ARTIC				ARTIC	ARTIC	ARTIC
Fri 15-Sep-23															
00:00	18	0	9	6	0	0	0	0	0	0	1	2	0	0	0
01:00	17	0	13	0	0	0	0	0	0	0	2	2	0	0	0
02:00	18	0	9	7	0	0	0	0	0	0	2	0	0	0	0
03:00	19	0	10	6	2	0	0	0	1	0	0	0	0	0	0
04:00	49	0	35	9	0	0	0	0	1	0	3	1	0	0	0
05:00	112	1	82	21	2	1	1	0	0	0	1	3	0	0	0
06:00	248	1	179	52	2	2	3	0	3	0	2	4	0	0	0
07:00	495	5	365	91	4	5	11	0	7	0	6	1	0	0	0
08:00	481	3	354	105	1	5	2	0	8	0	1	2	0	0	0
09:00	502	2	370	89	5	5	10	0	11	1	4	4	1	0	0
10:00	445	4	308	101	4	6	8	0	6	0	4	4	0	0	0
11:00	479	1	337	100	2	8	8	1	13	0	3	6	0	0	0
12:00	484	0	364	82	6	10	6	0	8	0	5	3	0	0	0
13:00	517	1	412	80	4	2	6	0	7	0	3	2	0	0	0
14:00	469	0	377	70	2	5	1	0	7	0	5	2	0	0	0
15:00	502	3	389	77	2	9	4	0	11	0	2	5	0	0	0
16:00	464	3	373	65	1	6	4	0	5	0	4	2	1	0	0
17:00	350	2	290	38	1	7	0	0	3	0	0	9	0	0	0
18:00	296	1	268	20	1	4	0	0	2	0	0	0	0	0	0
19:00	191	4	172	12	0	1	0	0	0	0	2	0	0	0	0
20:00	124	0	103	17	0	0	0	0	1	0	1	2	0	0	0
21:00	89	2	69	15	0	0	2	0	0	0	1	0	0	0	0
22:00	55	0	51	4	0	0	0	0	0	0	0	0	0	0	0
23:00	41	0	34	7	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	5484	25	4207	918	33	72	60	1	88	1	37	40	2	0	0
16H,6-22	6136	32	4730	1014	35	75	65	1	92	1	43	46	2	0	0
18H,6-24	6232	32	4815	1025	35	75	65	1	92	1	43	46	2	0	0
24H,0-24	6465	33	4973	1074	39	76	66	1	94	1	52	54	2	0	0

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23						Channel: Northbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR		BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS		SEVEN OR MORE AXLE ARTIC	
			CAR-BASED LGV	LIGHT GOODS VEHICLES								AXLE MULTI-TRAILER ARTIC	AXLE MULTI-TRAILER ARTIC		
Sat 16-Sep-23															
00:00	34	0	26	5	0	1	0	0	0	0	2	0	0	0	
01:00	20	0	15	2	0	0	0	0	0	0	2	1	0	0	
02:00	13	0	9	3	0	0	0	0	0	0	1	0	0	0	
03:00	21	1	18	0	0	0	0	0	1	0	1	0	0	0	
04:00	26	0	17	6	1	0	0	0	0	0	1	1	0	0	
05:00	60	1	52	5	0	0	0	0	0	0	0	2	0	0	
06:00	58	0	43	13	0	0	0	1	0	0	1	0	0	0	
07:00	143	2	115	18	2	1	0	1	0	0	1	3	0	0	
08:00	229	1	178	43	0	1	2	0	2	0	1	1	0	0	
09:00	319	0	264	48	0	2	0	1	3	0	0	1	0	0	
10:00	366	1	303	47	0	2	5	1	3	0	0	4	0	0	
11:00	376	1	334	33	0	3	0	0	4	0	1	0	0	0	
12:00	338	2	299	33	0	0	1	0	3	0	0	0	0	0	
13:00	284	0	257	24	0	0	2	0	1	0	0	0	0	0	
14:00	289	1	254	26	1	2	1	0	4	0	0	0	0	0	
15:00	348	0	319	24	1	0	0	0	3	0	1	0	0	0	
16:00	282	3	253	20	0	1	1	0	4	0	0	0	0	0	
17:00	248	6	222	13	0	1	0	0	4	0	1	1	0	0	
18:00	210	2	188	15	0	2	2	0	0	0	0	1	0	0	
19:00	170	4	150	16	0	0	0	0	0	0	0	0	0	0	
20:00	100	2	91	6	1	0	0	0	0	0	0	0	0	0	
21:00	82	0	79	2	0	0	0	0	1	0	0	0	0	0	
22:00	52	0	48	4	0	0	0	0	0	0	0	0	0	0	
23:00	36	0	28	7	0	1	0	0	0	0	0	0	0	0	
12H,7-19	3432	19	2986	344	4	15	14	3	31	0	5	11	0	0	
16H,6-22	3842	25	3349	381	5	15	14	4	32	0	6	11	0	0	
18H,6-24	3930	25	3425	392	5	16	14	4	32	0	6	11	0	0	
24H,0-24	4104	27	3562	413	6	17	14	4	33	0	13	15	0	0	

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Northbound												
												FIVE OR LESS		SEVEN	
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	OR MORE AXLE ARTIC	
Sun 17-Sep-23															
00:00	26	0	19	5	1	1	0	0	0	0	0	0	0	0	
01:00	15	0	13	1	0	0	1	0	0	0	0	0	0	0	
02:00	11	0	9	2	0	0	0	0	0	0	0	0	0	0	
03:00	20	0	17	3	0	0	0	0	0	0	0	0	0	0	
04:00	15	0	12	1	1	0	1	0	0	0	0	0	0	0	
05:00	26	1	22	2	1	0	0	0	0	0	0	0	0	0	
06:00	27	1	21	5	0	0	0	0	0	0	0	0	0	0	
07:00	60	0	46	12	0	2	0	0	0	0	0	0	0	0	
08:00	70	0	62	7	0	0	0	0	1	0	0	0	0	0	
09:00	137	1	118	13	0	1	0	0	4	0	0	0	0	0	
10:00	263	1	237	20	0	2	0	0	3	0	0	0	0	0	
11:00	286	0	262	17	0	0	2	0	3	1	1	0	0	0	
12:00	367	1	332	27	0	1	1	0	4	0	0	1	0	0	
13:00	337	2	309	22	0	0	2	0	1	0	1	0	0	0	
14:00	326	2	306	14	0	0	2	0	2	0	0	0	0	0	
15:00	324	2	288	25	1	0	1	0	6	0	0	1	0	0	
16:00	225	2	206	13	0	0	1	0	1	0	2	0	0	0	
17:00	168	3	152	8	0	1	1	0	2	0	1	0	0	0	
18:00	147	1	134	9	0	1	1	0	0	0	0	0	1	0	
19:00	130	2	120	7	0	0	1	0	0	0	0	0	0	0	
20:00	101	0	92	9	0	0	0	0	0	0	0	0	0	0	
21:00	56	2	44	9	0	1	0	0	0	0	0	0	0	0	
22:00	36	0	31	5	0	0	0	0	0	0	0	0	0	0	
23:00	22	0	14	6	0	2	0	0	0	0	0	0	0	0	
12H,7-19	2710	15	2452	187	1	8	11	0	27	1	5	2	1	0	
16H,6-22	3024	20	2729	217	1	9	12	0	27	1	5	2	1	0	
18H,6-24	3082	20	2774	228	1	11	12	0	27	1	5	2	1	0	
24H,0-24	3195	21	2866	242	4	12	14	0	27	1	5	2	1	0	

12667 LIVERPOOL Site No: 12667001 Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
 Mon 11-Sep-23 to Sun 17-Sep-23 Channel: Northbound

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Daily Totals														
Mon 11-Sep-23	6769	27	5439	971	31	46	57	1	85	4	36	72	0	0
Tue 12-Sep-23	6937	27	5535	946	36	62	121	1	87	4	46	72	0	0
Wed 13-Sep-23	6596	24	5135	1016	42	63	117	0	84	6	50	58	1	0
Thu 14-Sep-23	6258	17	4765	1085	30	87	65	1	74	3	67	63	1	0
Fri 15-Sep-23	6465	33	4973	1074	39	76	66	1	94	1	52	54	2	0
Sat 16-Sep-23	4104	27	3562	413	6	17	14	4	33	0	13	15	0	0
Sun 17-Sep-23	3195	21	2866	242	4	12	14	0	27	1	5	2	1	0
Total Vehicles														
[--]	40324	176	32275	5747	188	363	454	8	484	19	269	336	5	0



12667	LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23				Channel: Northbound							
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Mon 11-Sep-23											
00:00	11	0	0.0	10	90.9	1	9.1	0	0.0	0	0.0
01:00	13	0	0.0	10	76.9	2	15.4	1	7.7	0	0.0
02:00	9	0	0.0	5	55.6	4	44.4	0	0.0	0	0.0
03:00	21	0	0.0	13	61.9	6	28.6	1	4.8	1	4.8
04:00	36	1	2.8	24	66.7	8	22.2	2	5.6	1	2.8
05:00	103	1	1.0	80	77.7	17	16.5	4	3.9	1	1.0
06:00	265	0	0.0	214	80.8	34	12.8	17	6.4	0	0.0
07:00	519	3	0.6	416	80.2	83	16.0	15	2.9	2	0.4
08:00	556	2	0.4	467	84.0	68	12.2	17	3.1	2	0.4
09:00	486	1	0.2	355	73.1	94	19.3	33	6.8	3	0.6
10:00	462	1	0.2	352	76.2	76	16.5	27	5.8	6	1.3
11:00	427	2	0.5	323	75.6	72	16.9	25	5.9	5	1.2
12:00	554	2	0.4	436	78.7	84	15.2	31	5.6	1	0.2
13:00	517	1	0.2	408	78.9	74	14.3	31	6.0	3	0.6
14:00	521	2	0.4	420	80.6	70	13.4	28	5.4	1	0.2
15:00	490	1	0.2	381	77.8	84	17.1	22	4.5	2	0.4
16:00	496	2	0.4	408	82.3	67	13.5	19	3.8	0	0.0
17:00	439	3	0.7	368	83.8	53	12.1	12	2.7	3	0.7
18:00	307	1	0.3	266	86.6	33	10.8	7	2.3	0	0.0
19:00	225	1	0.4	200	88.9	18	8.0	6	2.7	0	0.0
20:00	157	1	0.6	144	91.7	10	6.4	2	1.3	0	0.0
21:00	65	1	1.5	61	93.9	3	4.6	0	0.0	0	0.0
22:00	61	1	1.6	58	95.1	2	3.3	0	0.0	0	0.0
23:00	29	0	0.0	20	69.0	8	27.6	1	3.5	0	0.0
12H,7-19	5774	21	0.4	4600	79.7	858	14.9	267	4.6	28	0.5
16H,6-22	6486	24	0.4	5219	80.5	923	14.2	292	4.5	28	0.4
18H,6-24	6576	25	0.4	5297	80.6	933	14.2	293	4.5	28	0.4
24H,0-24	6769	27	0.4	5439	80.4	971	14.3	301	4.5	31	0.5

12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound						
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Tue 12-Sep-23											
00:00	22	1	4.6	17	77.3	2	9.1	2	9.1	0	0.0
01:00	16	0	0.0	11	68.8	2	12.5	3	18.8	0	0.0
02:00	18	0	0.0	13	72.2	3	16.7	2	11.1	0	0.0
03:00	18	0	0.0	10	55.6	5	27.8	2	11.1	1	5.6
04:00	38	1	2.6	30	79.0	4	10.5	1	2.6	2	5.3
05:00	112	0	0.0	83	74.1	20	17.9	8	7.1	1	0.9
06:00	273	2	0.7	215	78.8	46	16.9	10	3.7	0	0.0
07:00	466	2	0.4	370	79.4	78	16.7	16	3.4	0	0.0
08:00	524	0	0.0	423	80.7	74	14.1	27	5.2	0	0.0
09:00	498	1	0.2	397	79.7	70	14.1	25	5.0	5	1.0
10:00	473	0	0.0	349	73.8	89	18.8	32	6.8	3	0.6
11:00	474	0	0.0	352	74.3	77	16.2	37	7.8	8	1.7
12:00	529	3	0.6	416	78.6	73	13.8	32	6.1	5	1.0
13:00	515	3	0.6	399	77.5	74	14.4	35	6.8	4	0.8
14:00	518	2	0.4	393	75.9	87	16.8	35	6.8	1	0.2
15:00	501	2	0.4	398	79.4	66	13.2	32	6.4	3	0.6
16:00	564	1	0.2	481	85.3	56	9.9	25	4.4	1	0.2
17:00	551	1	0.2	471	85.5	66	12.0	12	2.2	1	0.2
18:00	306	1	0.3	261	85.3	28	9.2	16	5.2	0	0.0
19:00	192	2	1.0	171	89.1	10	5.2	9	4.7	0	0.0
20:00	144	1	0.7	123	85.4	6	4.2	13	9.0	1	0.7
21:00	102	3	2.9	87	85.3	4	3.9	8	7.8	0	0.0
22:00	47	1	2.1	38	80.9	4	8.5	4	8.5	0	0.0
23:00	36	0	0.0	27	75.0	2	5.6	7	19.4	0	0.0
12H,7-19	5919	16	0.3	4710	79.6	838	14.2	324	5.5	31	0.5
16H,6-22	6630	24	0.4	5306	80.0	904	13.6	364	5.5	32	0.5
18H,6-24	6713	25	0.4	5371	80.0	910	13.6	375	5.6	32	0.5
24H,0-24	6937	27	0.4	5535	79.8	946	13.6	393	5.7	36	0.5

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool	N of Cronton Rd						
Mon 11-Sep-23 to Sun 17-Sep-23		Channel: Northbound									

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool	N of Cronton Rd						
Mon 11-Sep-23 to Sun 17-Sep-23		Channel: Northbound									

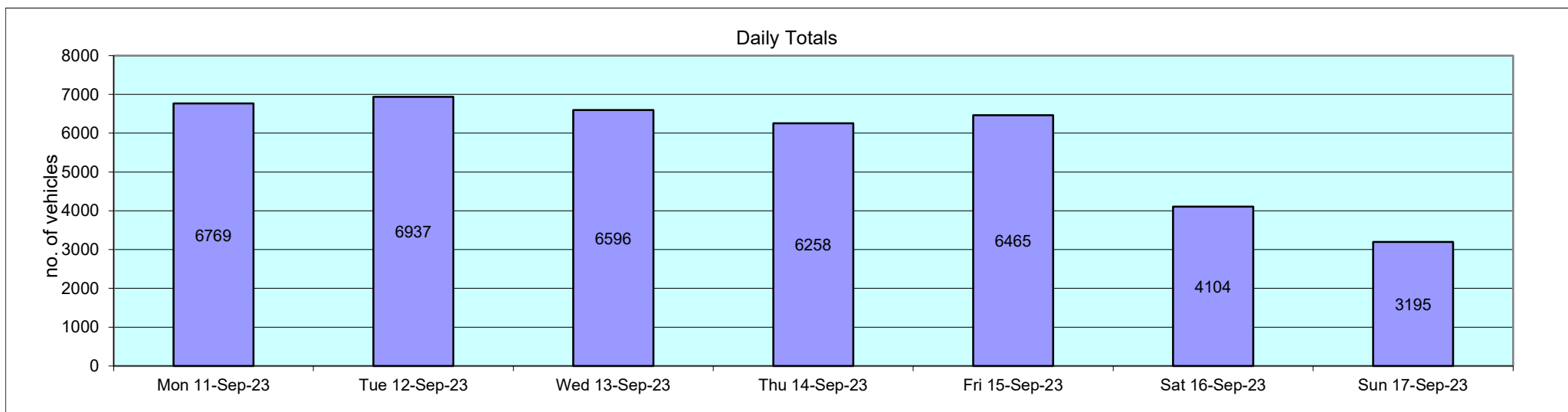
12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound						
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Fri 15-Sep-23											
00:00	18	0	0.0	9	50.0	6	33.3	3	16.7	0	0.0
01:00	17	0	0.0	13	76.5	0	0.0	4	23.5	0	0.0
02:00	18	0	0.0	9	50.0	7	38.9	2	11.1	0	0.0
03:00	19	0	0.0	10	52.6	6	31.6	1	5.3	2	10.5
04:00	49	0	0.0	35	71.4	9	18.4	5	10.2	0	0.0
05:00	112	1	0.9	82	73.2	21	18.8	6	5.4	2	1.8
06:00	248	1	0.4	179	72.2	52	21.0	14	5.7	2	0.8
07:00	495	5	1.0	365	73.7	91	18.4	30	6.1	4	0.8
08:00	481	3	0.6	354	73.6	105	21.8	18	3.7	1	0.2
09:00	502	2	0.4	370	73.7	89	17.7	36	7.2	5	1.0
10:00	445	4	0.9	308	69.2	101	22.7	28	6.3	4	0.9
11:00	479	1	0.2	337	70.4	100	20.9	39	8.1	2	0.4
12:00	484	0	0.0	364	75.2	82	16.9	32	6.6	6	1.2
13:00	517	1	0.2	412	79.7	80	15.5	20	3.9	4	0.8
14:00	469	0	0.0	377	80.4	70	14.9	20	4.3	2	0.4
15:00	502	3	0.6	389	77.5	77	15.3	31	6.2	2	0.4
16:00	464	3	0.7	373	80.4	65	14.0	22	4.7	1	0.2
17:00	350	2	0.6	290	82.9	38	10.9	19	5.4	1	0.3
18:00	296	1	0.3	268	90.5	20	6.8	6	2.0	1	0.3
19:00	191	4	2.1	172	90.1	12	6.3	3	1.6	0	0.0
20:00	124	0	0.0	103	83.1	17	13.7	4	3.2	0	0.0
21:00	89	2	2.3	69	77.5	15	16.9	3	3.4	0	0.0
22:00	55	0	0.0	51	92.7	4	7.3	0	0.0	0	0.0
23:00	41	0	0.0	34	82.9	7	17.1	0	0.0	0	0.0
12H,7-19	5484	25	0.5	4207	76.7	918	16.7	301	5.5	33	0.6
16H,6-22	6136	32	0.5	4730	77.1	1014	16.5	325	5.3	35	0.6
18H,6-24	6232	32	0.5	4815	77.3	1025	16.5	325	5.2	35	0.6
24H,0-24	6465	33	0.5	4973	76.9	1074	16.6	346	5.4	39	0.6

12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound						

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool	N of Cronton Rd						
Mon 11-Sep-23 to Sun 17-Sep-23		Channel: Northbound									

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
Mon 11-Sep-23 to Sun 17-Sep-23		Channel: Northbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Daily Totals											
Mon 11-Sep-23	6769	27	0.4	5439	80.4	971	14.3	301	4.5	31	0.5
Tue 12-Sep-23	6937	27	0.4	5535	79.8	946	13.6	393	5.7	36	0.5
Wed 13-Sep-23	6596	24	0.4	5135	77.9	1016	15.4	379	5.8	42	0.6
Thu 14-Sep-23	6258	17	0.3	4765	76.1	1085	17.3	361	5.8	30	0.5
Fri 15-Sep-23	6465	33	0.5	4973	76.9	1074	16.6	346	5.4	39	0.6
Sat 16-Sep-23	4104	27	0.7	3562	86.8	413	10.1	96	2.3	6	0.2
Sun 17-Sep-23	3195	21	0.7	2866	89.7	242	7.6	62	1.9	4	0.1
Total Vehicles											
[--]	40324	176	0.5	32275	81.1	5747	13.6	1938	4.5	188	0.4



12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Mon 11-Sep-23																
00:00	11	35.6	32.1	4.7	0	0	0	0	1	3	5	2	0	0	0	0
01:00	13	36.9	32	5.3	0	0	0	0	2	3	5	3	0	0	0	0
02:00	9	-	34.6	4.4	0	0	0	0	0	2	3	4	0	0	0	0
03:00	21	35.4	32.3	4.9	0	0	0	1	0	5	13	1	1	0	0	0
04:00	36	37.5	33.5	4.4	0	0	0	0	2	5	21	7	1	0	0	0
05:00	103	36	31.8	5.8	0	0	0	0	8	46	33	11	1	2	2	0
06:00	265	34.2	29.7	4.5	0	0	1	4	31	138	80	7	3	1	0	0
07:00	519	32.9	27.3	5.9	0	3	16	41	129	219	88	17	4	2	0	0
08:00	556	31	25.7	5.8	0	7	18	80	171	198	67	15	0	0	0	0
09:00	486	33.1	27.3	5.7	0	8	9	30	127	195	102	14	1	0	0	0
10:00	462	32.3	27	5.4	0	3	8	32	147	182	79	10	0	0	1	0
11:00	427	33	28.3	4.6	0	0	3	15	95	217	82	14	1	0	0	0
12:00	554	32.1	27.5	5	0	3	2	25	167	253	90	11	1	1	0	1
13:00	517	31.5	26.9	4.7	0	3	5	23	180	219	85	2	0	0	0	0
14:00	521	31.7	26.7	5.3	0	1	11	42	173	204	80	7	2	0	0	1
15:00	490	31.5	27	5	0	2	9	34	131	232	75	7	0	0	0	0
16:00	496	33.7	28.1	5.8	1	2	9	30	102	220	106	21	4	0	0	1
17:00	439	34.6	29.2	5.9	0	5	5	13	74	189	119	25	6	2	1	0
18:00	307	35.3	31	5.1	0	1	1	6	24	116	130	25	3	0	0	1
19:00	225	35.1	30.5	5.2	0	1	3	3	20	90	91	14	1	2	0	0
20:00	157	35.3	30.8	5.5	0	0	2	5	10	63	61	13	0	3	0	0
21:00	65	37	32.1	5.7	0	0	0	2	5	18	28	9	2	1	0	0
22:00	61	35.4	31.2	4.7	0	0	0	2	2	26	24	6	1	0	0	0
23:00	29	36.4	32.1	6.7	0	0	0	0	3	12	9	2	2	0	1	0
12H,7-19	5774	33	27.5	5.5	1	38	96	371	1520	2444	1103	168	22	5	2	4
16H,6-22	6486	33.4	27.8	5.5	1	39	102	385	1586	2753	1363	211	28	12	2	4
18H,6-24	6576	33.4	27.9	5.6	1	39	102	387	1591	2791	1396	219	31	12	3	4
24H,0-24	6769	33.6	28	5.6	1	39	102	388	1604	2855	1476	247	34	14	5	4

12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Tue 12-Sep-23																
00:00	22	34.7	29.9	6.6	0	0	0	2	3	8	7	0	2	0	0	0
01:00	16	38.1	31.9	7.8	0	1	0	0	1	3	6	5	0	0	0	0
02:00	18	37.8	32.4	5.7	0	0	0	1	1	4	7	5	0	0	0	0
03:00	18	39.8	33.2	6.7	0	0	0	0	3	4	4	5	2	0	0	0
04:00	38	35.8	32.1	4.4	0	0	0	0	1	16	15	5	1	0	0	0
05:00	112	35.5	30.3	6.1	0	0	1	4	20	33	41	10	2	0	1	0
06:00	273	34.1	29.3	4.8	0	0	3	7	36	140	73	12	1	1	0	0
07:00	466	32.6	27.1	5.5	0	4	10	25	148	184	76	18	1	0	0	0
08:00	524	30.5	24.7	6.2	2	3	36	99	145	179	51	8	0	0	1	0
09:00	498	31.8	26.1	5.8	0	3	21	50	166	172	71	13	2	0	0	0
10:00	473	31.3	26.2	5.6	1	3	13	63	119	199	68	7	0	0	0	0
11:00	474	32.5	27.6	4.7	0	1	3	25	126	220	93	6	0	0	0	0
12:00	529	31	26.4	5.8	0	5	16	49	163	218	62	11	4	0	0	1
13:00	515	33.1	27.7	5.5	0	3	11	31	123	227	101	16	2	1	0	0
14:00	518	32.6	27	5.9	1	2	20	44	130	215	85	17	4	0	0	0
15:00	501	32.8	27	6.1	3	5	13	45	120	208	89	14	3	1	0	0
16:00	564	34.1	28.5	5.7	1	2	10	30	108	238	144	26	4	0	0	1
17:00	551	34.4	29.2	5	0	3	2	14	102	238	161	28	3	0	0	0
18:00	306	35.3	30.7	5.1	0	0	2	8	34	106	126	25	5	0	0	0
19:00	192	35.5	31.4	4.6	0	0	0	6	5	75	86	17	3	0	0	0
20:00	144	35.2	30.7	5.1	0	0	2	2	18	45	66	9	2	0	0	0
21:00	102	39	32.4	7.6	0	0	3	4	7	25	37	17	7	0	0	2
22:00	47	37	33.1	5.4	0	1	0	0	0	10	27	7	2	0	0	0
23:00	36	39.5	33.8	7	0	0	0	2	0	8	18	3	3	1	1	0
12H,7-19	5919	33	27.2	5.8	8	34	157	483	1484	2404	1127	189	28	2	1	2
16H,6-22	6630	33.5	27.6	5.8	8	34	165	502	1550	2689	1389	244	41	3	1	4
18H,6-24	6713	33.6	27.7	5.9	8	35	165	504	1550	2707	1434	254	46	4	2	4
24H,0-24	6937	33.7	27.8	5.9	8	36	166	511	1579	2775	1514	284	53	4	3	4

12667		LIVERPOOL			Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Wed 13-Sep-23																
00:00	22	39.2	33	5.9	0	0	0	0	2	7	6	5	2	0	0	0
01:00	12	38.7	33.9	4.7	0	0	0	0	0	4	3	5	0	0	0	0
02:00	12	37.8	33.9	4.7	0	0	0	0	0	3	6	2	1	0	0	0
03:00	16	39.5	34.1	5.9	0	0	0	0	2	1	8	3	2	0	0	0
04:00	53	37.2	31.6	5.8	0	0	1	2	4	13	22	11	0	0	0	0
05:00	107	35.8	31.2	4.9	0	0	1	0	11	40	40	14	1	0	0	0
06:00	280	34.8	29.9	5.2	0	0	2	12	29	129	86	17	4	1	0	0
07:00	469	33.2	27.1	6.1	0	7	11	54	96	188	98	13	1	1	0	0
08:00	510	32.5	26	6.5	0	8	26	76	119	177	88	12	4	0	0	0
09:00	501	33	27.6	5.3	0	3	4	31	145	206	89	22	1	0	0	0
10:00	481	32.9	27.9	5.4	0	3	3	27	121	226	73	21	7	0	0	0
11:00	413	33.7	28.6	5.1	0	1	4	18	78	202	88	19	3	0	0	0
12:00	473	33.6	28.3	5.2	0	1	6	18	110	215	98	24	0	0	1	0
13:00	491	33.6	27.9	5.7	0	4	8	34	109	207	104	22	3	0	0	0
14:00	512	33.7	27.6	6	1	3	13	38	130	186	117	22	1	0	0	1
15:00	472	34.5	29	5.6	0	4	3	20	90	189	136	24	5	1	0	0
16:00	434	34.4	28.1	6.9	2	11	12	21	85	168	101	26	7	0	1	0
17:00	461	35.7	30.5	5.8	0	1	2	13	67	171	146	48	10	2	0	1
18:00	321	37.9	32.5	5.7	0	0	0	9	15	99	130	51	11	5	1	0
19:00	239	35.6	31.3	5.1	0	0	0	11	10	87	104	21	5	1	0	0
20:00	156	36.4	31.8	5.6	0	0	1	2	12	55	61	14	10	1	0	0
21:00	85	38.7	33.3	5.9	0	0	1	3	3	14	40	20	3	1	0	0
22:00	55	39.7	34.3	6.7	0	0	0	2	2	11	18	18	2	0	2	0
23:00	21	38.4	34.5	4	0	0	0	0	0	3	12	5	1	0	0	0
12H,7-19	5538	34.2	28.3	6	3	46	92	359	1165	2234	1268	304	53	9	3	2
16H,6-22	6298	34.5	28.6	6	3	46	96	387	1219	2519	1559	376	75	13	3	2
18H,6-24	6374	34.6	28.7	6	3	46	96	389	1221	2533	1589	399	78	13	5	2
24H,0-24	6596	34.7	28.8	6	3	46	98	391	1240	2601	1674	439	84	13	5	2

12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Thu 14-Sep-23																
00:00	24	34.8	30	6	0	0	0	2	3	8	9	1	1	0	0	0
01:00	8	-	32.3	4.7	0	0	0	0	0	4	2	2	0	0	0	0
02:00	13	41.9	34.3	8	0	0	0	1	1	2	3	3	3	0	0	0
03:00	18	39.4	35.2	4.7	0	0	0	0	1	1	8	7	1	0	0	0
04:00	50	39.5	34.3	6.1	0	0	0	0	4	7	24	10	3	1	1	0
05:00	112	37.8	31.4	6	0	0	0	3	18	31	35	22	2	1	0	0
06:00	267	35.5	29.8	6.8	0	0	9	18	35	85	88	23	5	3	1	0
07:00	453	33.1	27.3	5.8	0	0	15	36	121	177	84	12	8	0	0	0
08:00	501	31.9	25.2	6.7	0	9	41	66	152	143	77	11	0	1	1	0
09:00	441	31.5	26.2	5.9	0	4	18	48	125	173	66	6	0	0	0	1
10:00	388	32.8	27.3	5.2	0	3	2	30	108	160	75	9	1	0	0	0
11:00	435	33.3	27.2	6	0	5	16	21	125	163	87	16	1	1	0	0
12:00	465	32.5	27.3	5.2	1	0	4	40	126	197	88	6	2	1	0	0
13:00	481	33.8	28.2	5.4	0	3	2	34	106	202	108	25	1	0	0	0
14:00	476	33.7	27.8	5.8	1	2	10	26	124	190	96	24	1	1	1	0
15:00	461	33.8	28.2	5.3	0	1	6	18	125	190	93	26	2	0	0	0
16:00	455	34.2	28.6	5.6	0	1	7	32	73	201	112	25	3	1	0	0
17:00	419	35	29.7	5.7	1	0	8	14	63	157	142	27	6	1	0	0
18:00	294	35.7	31.1	5.5	0	0	1	12	28	96	119	30	6	2	0	0
19:00	207	36.6	31.9	5.4	0	0	1	6	12	63	90	27	8	0	0	0
20:00	130	37.8	32.6	5.2	0	0	0	0	8	44	51	19	7	1	0	0
21:00	67	39.5	33.7	7	0	0	0	3	3	14	26	15	3	2	0	1
22:00	65	39.4	33	6.7	0	0	1	4	3	10	26	16	5	0	0	0
23:00	28	38.8	32.4	7.6	0	0	0	3	1	7	9	6	0	2	0	0
12H,7-19	5269	33.7	27.7	5.9	3	28	130	377	1276	2049	1147	217	31	8	2	1
16H,6-22	5940	34.2	28.1	6	3	28	140	404	1334	2255	1402	301	54	14	3	2
18H,6-24	6033	34.3	28.2	6.1	3	28	141	411	1338	2272	1437	323	59	16	3	2
24H,0-24	6258	34.4	28.4	6.1	3	28	141	417	1365	2325	1518	368	69	18	4	2

12667		LIVERPOOL			Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Fri 15-Sep-23																
00:00	18	34.4	29.6	5.2	0	0	0	1	3	6	7	1	0	0	0	0
01:00	17	35.9	31.1	5.8	0	0	0	1	2	4	7	3	0	0	0	0
02:00	18	38.8	33.8	4.9	0	0	0	0	0	6	6	5	1	0	0	0
03:00	19	40	35.6	5	0	0	0	0	1	1	8	7	2	0	0	0
04:00	49	39.7	33.9	6	0	0	0	0	3	13	17	11	3	2	0	0
05:00	112	38.6	33.1	5.2	0	0	0	0	7	33	42	24	5	1	0	0
06:00	248	35.4	30.7	5.3	0	0	0	5	30	105	80	19	6	3	0	0
07:00	495	32.7	26.7	6.8	0	6	34	41	107	210	66	25	4	1	0	1
08:00	481	32.6	25.7	6.6	1	11	26	53	151	140	84	13	1	1	0	0
09:00	502	33.3	27.9	5.1	0	0	4	36	123	219	97	22	1	0	0	0
10:00	445	33.1	27.6	5.4	1	2	4	33	108	195	84	16	2	0	0	0
11:00	479	32.7	27	5.9	1	10	7	34	131	192	92	10	2	0	0	0
12:00	484	32.8	27	5.8	1	2	18	29	145	184	88	15	2	0	0	0
13:00	517	31.8	27.4	5.1	0	0	8	28	143	248	72	16	1	0	0	1
14:00	469	33.1	27.2	5.5	1	2	7	40	134	173	100	12	0	0	0	0
15:00	502	33.4	27.9	5.4	0	2	6	29	125	216	102	19	2	0	0	1
16:00	464	34.8	29.2	5.8	0	4	3	12	93	198	111	35	6	0	2	0
17:00	350	35.9	31.6	5.4	0	0	4	2	35	102	158	37	10	1	1	0
18:00	296	37.1	31.4	6.1	0	0	3	14	20	97	107	46	6	1	2	0
19:00	191	37	31.7	7	0	0	2	8	14	67	67	20	7	3	0	3
20:00	124	37.7	32.7	4.7	0	0	0	1	5	38	52	26	2	0	0	0
21:00	89	38.8	33.3	5.9	0	0	0	1	4	24	39	13	7	0	0	1
22:00	55	36.3	32	7.2	0	0	1	3	1	19	22	5	2	1	0	1
23:00	41	38.8	30.7	8.8	0	0	3	5	2	7	14	6	3	1	0	0
12H,7-19	5484	33.8	27.9	6	5	39	124	351	1315	2174	1161	266	37	4	5	3
16H,6-22	6136	34.2	28.3	6.1	5	39	126	366	1368	2408	1399	344	59	10	5	7
18H,6-24	6232	34.3	28.3	6.1	5	39	130	374	1371	2434	1435	355	64	12	5	8
24H,0-24	6465	34.5	28.5	6.2	5	39	130	376	1387	2497	1522	406	75	15	5	8

12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sat 16-Sep-23																
00:00	34	35.8	32.2	4.7	0	0	0	0	3	9	17	4	1	0	0	0
01:00	20	37.5	32.3	5.3	0	0	0	0	3	4	8	5	0	0	0	0
02:00	13	39.9	32.3	6.9	0	0	0	1	0	5	4	1	2	0	0	0
03:00	21	39.1	34	5.6	0	0	0	0	3	1	9	7	1	0	0	0
04:00	26	38.9	33.5	5.3	0	0	0	0	2	6	9	8	1	0	0	0
05:00	60	39	34.3	4.7	0	0	0	0	1	12	28	16	2	1	0	0
06:00	58	37.7	31.7	7.1	0	0	1	3	4	18	19	11	1	0	0	1
07:00	143	37.5	32.6	5.5	0	0	0	1	10	42	61	24	1	3	1	0
08:00	229	36.5	32.3	4.9	0	0	1	2	9	72	107	30	7	1	0	0
09:00	319	35.7	31.2	5.2	0	0	1	4	28	126	119	37	1	1	1	1
10:00	366	34.6	29.8	4.9	0	0	3	8	51	157	126	16	4	1	0	0
11:00	376	34.8	29.8	5.4	0	0	3	13	51	167	112	25	2	2	0	1
12:00	338	35.6	31.2	5.5	1	0	1	3	29	137	126	33	4	1	1	2
13:00	284	36	31.7	5.2	0	0	1	3	16	112	109	35	4	2	2	0
14:00	289	35.8	31.4	4.8	0	0	1	2	21	114	112	33	5	1	0	0
15:00	348	35.4	30.7	5.2	0	0	3	8	38	124	139	30	5	1	0	0
16:00	282	35.8	31.6	5.6	0	0	1	8	15	104	115	31	3	3	0	2
17:00	248	37	31.7	5.7	0	0	3	6	17	82	95	37	6	2	0	0
18:00	210	36.4	31.4	5.7	0	0	4	2	18	74	78	27	5	2	0	0
19:00	170	36.9	31.9	5.9	0	0	4	3	6	57	70	23	5	1	1	0
20:00	100	36.9	32.5	5.1	0	0	1	1	4	27	49	14	4	0	0	0
21:00	82	35.9	32.2	5.5	0	0	1	1	3	26	39	9	2	0	1	0
22:00	52	39.6	34.4	6.8	0	0	0	0	4	10	21	12	3	0	1	1
23:00	36	35.6	30.2	5.9	0	0	0	2	6	12	11	4	1	0	0	0
12H,7-19	3432	35.7	31.1	5.3	1	0	22	60	303	1311	1299	358	47	20	5	6
16H,6-22	3842	35.8	31.2	5.4	1	0	29	68	320	1439	1476	415	59	21	7	7
18H,6-24	3930	35.8	31.3	5.4	1	0	29	70	330	1461	1508	431	63	21	8	8
24H,0-24	4104	35.9	31.3	5.4	1	0	29	71	342	1498	1583	472	70	22	8	8

12667		LIVERPOOL			Site No: 12667001			Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd								
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Northbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sun 17-Sep-23																
00:00	26	36.6	30.6	6.4	0	0	0	3	2	7	9	5	0	0	0	0
01:00	15	38.1	30.5	7.4	0	0	0	1	4	3	3	3	1	0	0	0
02:00	11	38.1	34	7.7	0	0	0	0	0	5	3	2	0	0	1	0
03:00	20	38.5	32	7.9	0	0	0	3	1	3	7	5	0	1	0	0
04:00	15	36.6	31.8	6.6	0	0	0	1	2	2	7	2	1	0	0	0
05:00	26	39.8	33.7	6.2	0	0	0	1	1	6	9	6	3	0	0	0
06:00	27	38.8	33.7	5.1	0	0	0	0	2	5	11	8	1	0	0	0
07:00	60	39.6	34.4	5.1	0	0	0	0	1	15	21	19	3	1	0	0
08:00	70	37.8	32.8	5.2	0	0	0	0	4	22	29	11	3	1	0	0
09:00	137	35.9	31.3	5.5	0	0	0	6	10	47	54	18	1	0	1	0
10:00	263	35.5	31.6	4.4	0	0	0	3	11	103	118	23	5	0	0	0
11:00	286	35.8	31.3	4.7	0	0	0	5	22	108	113	35	3	0	0	0
12:00	367	35	30.5	4.9	0	1	2	1	47	139	152	21	2	1	1	0
13:00	337	35.1	30.4	5.1	0	1	3	7	32	143	121	25	4	1	0	0
14:00	326	34.9	30.2	5.2	0	0	4	12	34	121	136	17	1	0	0	1
15:00	324	35.3	30.8	5.3	0	0	5	2	32	130	124	25	3	2	0	1
16:00	225	35.9	31.3	6.3	0	0	6	8	9	81	88	23	6	3	1	0
17:00	168	36.9	32.2	5.7	0	0	2	3	11	46	76	23	5	1	1	0
18:00	147	37.5	32.5	5.3	0	0	2	1	2	53	61	18	10	0	0	0
19:00	130	35.9	32.1	5.2	0	0	1	3	1	46	60	16	1	1	1	0
20:00	101	35.9	31.6	5.7	0	0	1	3	5	36	41	11	2	2	0	0
21:00	56	38.6	33	6.5	0	0	1	0	1	21	21	6	4	1	1	0
22:00	36	37.1	31.6	6.5	0	0	0	4	1	9	15	5	2	0	0	0
23:00	22	35.7	32.8	4.1	0	0	0	0	0	7	12	2	1	0	0	0
12H,7-19	2710	35.6	31.1	5.3	0	2	24	48	215	1008	1093	258	46	10	4	2
16H,6-22	3024	35.7	31.2	5.3	0	2	27	54	224	1116	1226	299	54	14	6	2
18H,6-24	3082	35.7	31.3	5.3	0	2	27	58	225	1132	1253	306	57	14	6	2
24H,0-24	3195	35.7	31.3	5.4	0	2	27	67	235	1158	1291	329	62	15	7	2

12667 LIVERPOOL Site No: 12667001 Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
 Mon 11-Sep-23 to Sun 17-Sep-23 Channel: Northbound

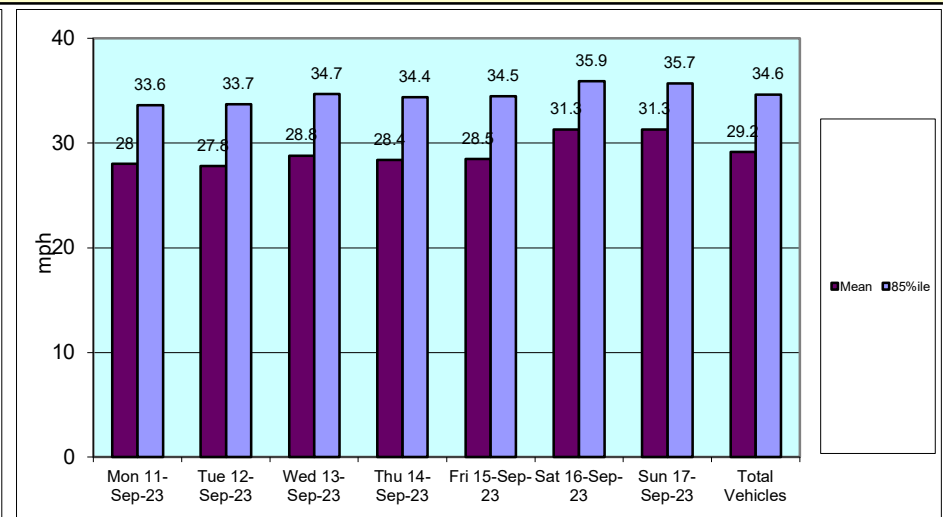
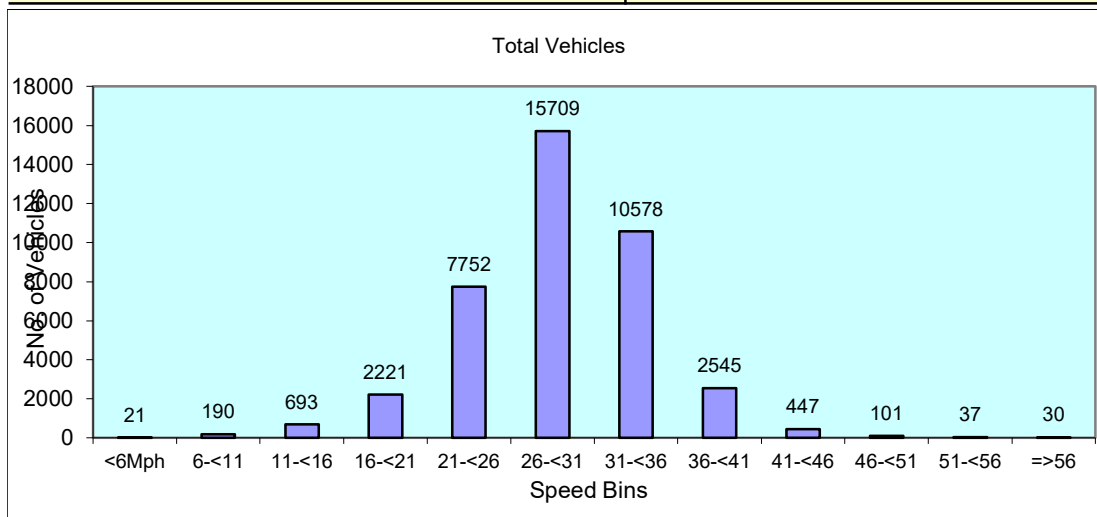
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
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Daily Totals

Mon 11-Sep-23	6769	33.6	28	5.6	1	39	102	388	1604	2855	1476	247	34	14	5	4
Tue 12-Sep-23	6937	33.7	27.8	5.9	8	36	166	511	1579	2775	1514	284	53	4	3	4
Wed 13-Sep-23	6596	34.7	28.8	6	3	46	98	391	1240	2601	1674	439	84	13	5	2
Thu 14-Sep-23	6258	34.4	28.4	6.1	3	28	141	417	1365	2325	1518	368	69	18	4	2
Fri 15-Sep-23	6465	34.5	28.5	6.2	5	39	130	376	1387	2497	1522	406	75	15	5	8
Sat 16-Sep-23	4104	35.9	31.3	5.4	1	0	29	71	342	1498	1583	472	70	22	8	8
Sun 17-Sep-23	3195	35.7	31.3	5.4	0	2	27	67	235	1158	1291	329	62	15	7	2

Total Vehicles

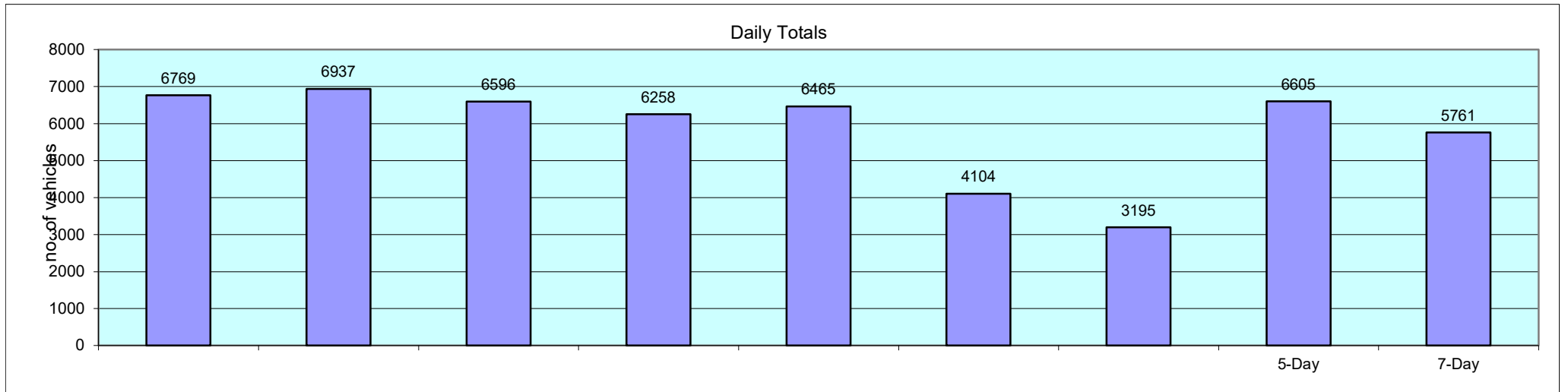
[--]	40324	34.6	29.2	5.8	21	190	693	2221	7752	15709	10578	2545	447	101	37	30
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12667	LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd		
	Channel: Northbound									
TIME PERIOD	Mon 11-Sep-23	Tue 12-Sep-23	Wed 13-Sep-23	Thu 14-Sep-23	Fri 15-Sep-23	Sat 16-Sep-23	Sun 17-Sep-23	5-Day Av	7-Day Av	
Week Begin: 11-Sep-23										
00:00	11	22	22	24	18	34	26	19	22	
01:00	13	16	12	8	17	20	15	13	14	
02:00	9	18	12	13	18	13	11	14	13	
03:00	21	18	16	18	19	21	20	18	19	
04:00	36	38	53	50	49	26	15	45	38	
05:00	103	112	107	112	112	60	26	109	90	
06:00	265	273	280	267	248	58	27	267	203	
07:00	519	466	469	453	495	143	60	480	372	
08:00	556	524	510	501	481	229	70	514	410	
09:00	486	498	501	441	502	319	137	486	412	
10:00	462	473	481	388	445	366	263	450	411	
11:00	427	474	413	435	479	376	286	446	413	
12:00	554	529	473	465	484	338	367	501	459	
13:00	517	515	491	481	517	284	337	504	449	
14:00	521	518	512	476	469	289	326	499	444	
15:00	490	501	472	461	502	348	324	485	443	
16:00	496	564	434	455	464	282	225	483	417	
17:00	439	551	461	419	350	248	168	444	377	
18:00	307	306	321	294	296	210	147	305	269	
19:00	225	192	239	207	191	170	130	211	193	
20:00	157	144	156	130	124	100	101	142	130	
21:00	65	102	85	67	89	82	56	82	78	
22:00	61	47	55	65	55	52	36	57	53	
23:00	29	36	21	28	41	36	22	31	30	
12H,7-19	5774	5919	5538	5269	5484	3432	2710	5597	4875	
16H,6-22	6486	6630	6298	5940	6136	3842	3024	6298	5479	
18H,6-24	6576	6713	6374	6033	6232	3930	3082	6386	5563	
24H,0-24	6769	6937	6596	6258	6465	4104	3195	6605	5761	
Am	08:00	08:00	08:00	08:00	09:00	11:00	11:00			
Peak	556	524	510	501	502	376	286			
Pm	12:00	16:00	14:00	13:00	13:00	15:00	12:00			
Peak	554	564	512	481	517	348	367			

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
		Channel: Northbound		

TIME PERIOD	Mon 11-Sep-23	Tue 12-Sep-23	Wed 13-Sep-23	Thu 14-Sep-23	Fri 15-Sep-23	Sat 16-Sep-23	Sun 17-Sep-23	5-Day Av	7-Day Av
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12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23						Channel: Southbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR		BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS		SEVEN OR MORE AXLE ARTIC	
			CAR-BASED LGV	LIGHT GOODS VEHICLES								AXLE MULTI-TRAILER ARTIC	AXLE MULTI-TRAILER ARTIC		
Mon 11-Sep-23															
00:00	15	0	14	1	0	0	0	0	0	0	0	0	0	0	0
01:00	6	0	5	1	0	0	0	0	0	0	0	0	0	0	0
02:00	8	0	5	3	0	0	0	0	0	0	0	0	0	0	0
03:00	15	0	9	4	0	1	0	0	0	0	1	0	0	0	0
04:00	33	0	24	2	0	1	0	0	1	1	1	3	0	0	0
05:00	66	2	44	14	1	0	1	0	2	0	1	1	0	0	0
06:00	188	0	123	44	1	1	10	0	3	1	2	3	0	0	0
07:00	329	5	215	73	3	9	2	0	12	1	3	6	0	0	0
08:00	428	9	320	72	3	10	7	1	5	1	0	0	0	0	0
09:00	440	1	292	116	5	11	6	0	5	0	0	4	0	0	0
10:00	486	4	344	101	7	11	9	0	4	0	4	2	0	0	0
11:00	434	4	314	76	1	8	13	2	11	0	3	2	0	0	0
12:00	505	3	380	89	2	5	12	2	8	1	2	1	0	0	0
13:00	506	7	401	60	1	7	11	1	12	0	3	3	0	0	0
14:00	557	6	445	68	6	5	16	2	7	1	1	0	0	0	0
15:00	556	5	441	81	5	8	3	0	6	0	4	3	0	0	0
16:00	565	6	465	71	1	2	6	1	7	0	2	4	0	0	0
17:00	436	3	382	40	3	2	1	1	3	0	1	0	0	0	0
18:00	308	3	271	27	2	1	1	0	1	0	1	1	0	0	0
19:00	208	0	188	14	1	1	1	0	1	0	0	2	0	0	0
20:00	114	0	101	9	1	1	0	0	0	0	1	1	0	0	0
21:00	72	0	62	8	0	0	0	0	0	0	1	1	0	0	0
22:00	63	0	56	5	0	1	0	0	0	0	0	1	0	0	0
23:00	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	5550	56	4270	874	39	79	87	10	81	4	24	26	0	0	0
16H,6-22	6132	56	4744	949	42	82	98	10	85	5	28	33	0	0	0
18H,6-24	6220	56	4825	954	42	83	98	10	85	5	28	34	0	0	0
24H,0-24	6363	58	4926	979	43	85	99	10	88	6	31	38	0	0	0

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Southbound												
													FIVE OR LESS		
			CARS OR	LIGHT		TWO AXLE,	THREE	FOUR OR	FOUR OR		SIX OR		AXLE	SIX AXLE	SEVEN
TIME	TOTAL	MOTOR-	CAR-	GOODS	BUSES	SIX TYRE,	AXLE	MORE	LESS	FIVE AXLE	MORE	AXLE	MULTI-	MULTI-	OR
PERIOD	VEHICLES	CYCLES	BASED	VEHICLES		RIGID/BUSES	RIGID	AXLE	AXLE	ARTIC	AXLE	ARTIC	TRAILER	TRAILER	AXLE
			LGV					RIGID	ARTIC				ARTIC	ARTIC	ARTIC
Tue 12-Sep-23															
00:00	24	0	21	2	0	0	0	0	0	0	0	0	1	0	0
01:00	13	0	9	1	0	0	0	0	0	0	1	2	0	0	0
02:00	17	0	12	2	0	1	0	0	0	0	1	1	0	0	0
03:00	18	0	12	2	0	1	0	0	1	0	0	2	0	0	0
04:00	29	0	24	2	1	0	0	0	0	0	1	1	0	0	0
05:00	72	2	50	13	1	0	0	0	2	0	1	3	0	0	0
06:00	177	2	121	36	0	3	7	0	4	0	1	3	0	0	0
07:00	322	6	219	71	2	7	5	0	7	0	2	3	0	0	0
08:00	420	4	306	82	1	10	6	4	4	0	1	2	0	0	0
09:00	436	3	312	93	3	5	6	0	8	0	3	3	0	0	0
10:00	453	8	310	98	2	9	13	2	7	0	2	2	0	0	0
11:00	462	1	324	94	5	6	11	1	12	0	4	4	0	0	0
12:00	514	2	400	78	1	7	6	0	9	0	7	4	0	0	0
13:00	485	3	386	62	6	6	6	0	7	1	3	5	0	0	0
14:00	481	5	385	62	3	2	5	0	14	0	2	3	0	0	0
15:00	557	5	441	75	3	2	15	1	9	0	4	2	0	0	0
16:00	555	4	474	57	1	3	4	3	3	0	3	3	0	0	0
17:00	452	5	390	39	0	1	11	0	4	0	0	2	0	0	0
18:00	310	2	266	34	0	3	1	0	1	0	0	3	0	0	0
19:00	205	0	184	15	3	1	0	0	0	0	2	0	0	0	0
20:00	143	2	118	10	0	0	8	0	2	0	1	2	0	0	0
21:00	104	1	90	5	1	1	6	0	0	0	0	0	0	0	0
22:00	31	0	27	3	0	1	0	0	0	0	0	0	0	0	0
23:00	35	0	30	2	0	0	1	0	0	0	1	1	0	0	0
12H,7-19	5447	48	4213	845	27	61	89	11	85	1	31	36	0	0	0
16H,6-22	6076	53	4726	911	31	66	110	11	91	1	35	41	0	0	0
18H,6-24	6142	53	4783	916	31	67	111	11	91	1	36	42	0	0	0
24H,0-24	6315	55	4911	938	33	69	111	11	94	1	40	52	0	0	0

12667		LIVERPOOL				Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23						Channel: Southbound									
													FIVE OR LESS		
			CARS OR	LIGHT				FOUR OR	FOUR OR			SIX OR	AXLE	SIX AXLE	SEVEN
TIME	TOTAL	MOTOR-	CAR-	GOODS		TWO AXLE,	THREE	MORE	LESS	FIVE AXLE	AXLE	MORE	MULTI-	MULTI-	OR
PERIOD	VEHICLES	CYCLES	BASED	VEHICLES	BUSES	RIGID/BUSES	AXLE	AXLE	AXLE	AXLE	ARTIC	AXLE	TRAILER	TRAILER	MORE
			LGV				RIGID	RIGID	ARTIC	ARTIC	ARTIC	ARTIC	ARTIC	ARTIC	AXLE
Wed 13-Sep-23															
00:00	25	0	17	3	1	0	1	0	0	0	1	2	0	0	
01:00	7	0	6	1	0	0	0	0	0	0	0	0	0	0	
02:00	9	0	3	3	0	0	1	0	0	0	2	0	0	0	
03:00	18	0	10	4	0	1	3	0	0	0	0	0	0	0	
04:00	27	1	21	2	0	0	0	0	1	0	0	2	0	0	
05:00	91	0	66	10	2	0	5	0	2	0	3	3	0	0	
06:00	199	1	146	28	0	2	10	0	3	0	5	4	0	0	
07:00	361	10	243	72	1	10	12	1	8	2	1	1	0	0	
08:00	423	7	314	80	1	7	9	0	4	0	0	1	0	0	
09:00	435	7	313	89	5	6	6	0	6	0	1	2	0	0	
10:00	479	1	338	100	6	11	11	0	6	2	2	2	0	0	
11:00	479	6	348	81	3	5	14	1	11	0	3	7	0	0	
12:00	496	4	381	72	4	6	11	0	9	1	4	4	0	0	
13:00	508	3	398	63	8	8	9	2	11	0	3	3	0	0	
14:00	515	5	417	66	3	1	8	1	9	0	1	4	0	0	
15:00	548	6	451	68	2	1	10	2	5	0	2	1	0	0	
16:00	505	9	429	49	1	0	8	1	4	0	0	4	0	0	
17:00	468	3	389	56	0	1	8	2	6	0	2	1	0	0	
18:00	310	1	274	29	2	0	1	0	1	0	1	1	0	0	
19:00	234	2	208	15	2	1	2	0	1	0	0	3	0	0	
20:00	141	0	118	16	0	2	0	0	1	0	1	3	0	0	
21:00	87	0	78	7	1	1	0	0	0	0	0	0	0	0	
22:00	46	0	39	5	0	0	1	0	0	0	0	1	0	0	
23:00	35	0	31	2	0	0	0	0	1	0	0	1	0	0	
12H,7-19	5527	62	4295	825	36	56	107	10	80	5	20	31	0	0	
16H,6-22	6188	65	4845	891	39	62	119	10	85	5	26	41	0	0	
18H,6-24	6269	65	4915	898	39	62	120	10	86	5	26	43	0	0	
24H,0-24	6446	66	5038	921	42	63	130	10	89	5	32	50	0	0	

12667			LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd						
Mon 11-Sep-23 to Sun 17-Sep-23						Channel: Southbound									
													FIVE OR LESS		
			CARS OR	LIGHT		TWO AXLE,	THREE	FOUR OR	FOUR OR			SIX OR	AXLE	SIX AXLE	SEVEN
TIME	TOTAL	MOTOR-	CAR-	GOODS	BUSES	SIX TYRE,	AXLE	MORE	LESS	FIVE AXLE	AXLE	MORE	MULTI-	MULTI-	OR
PERIOD	VEHICLES	CYCLES	BASED	VEHICLES		RIGID/BUSES	RIGID	AXLE	AXLE	ARTIC	ARTIC	AXLE	TRAILER	TRAILER	MORE
			LGV					RIGID	ARTIC			ARTIC	ARTIC	ARTIC	AXLE
Thu 14-Sep-23															
00:00	25	0	21	1	0	0	1	0	0	0	0	0	2	0	0
01:00	8	0	5	3	0	0	0	0	0	0	0	0	0	0	0
02:00	12	0	7	4	0	0	0	0	0	0	0	0	1	0	0
03:00	19	0	14	3	0	1	0	0	1	0	0	0	0	0	0
04:00	28	0	20	1	0	0	0	0	1	0	2	4	0	0	0
05:00	92	2	66	11	1	2	1	0	2	0	4	3	0	0	0
06:00	195	0	131	36	1	4	4	1	6	1	5	6	0	0	0
07:00	342	7	218	79	3	11	7	0	7	0	5	5	0	0	0
08:00	443	4	312	90	4	8	10	6	7	0	1	1	0	0	0
09:00	476	4	330	108	5	5	10	1	10	0	0	3	0	0	0
10:00	420	2	282	92	5	10	10	0	11	0	3	5	0	0	0
11:00	452	3	316	85	7	13	17	2	5	0	1	3	0	0	0
12:00	526	6	404	80	2	6	15	1	6	0	4	2	0	0	0
13:00	472	2	352	89	3	7	10	1	5	0	1	2	0	0	0
14:00	502	3	382	84	1	9	5	0	8	1	6	2	1	0	0
15:00	540	4	431	73	4	4	8	2	11	0	2	1	0	0	0
16:00	518	4	426	66	3	5	7	2	2	0	0	3	0	0	0
17:00	474	0	409	51	0	3	5	1	3	0	1	1	0	0	0
18:00	289	1	256	25	1	1	0	0	2	0	2	1	0	0	0
19:00	218	2	194	16	0	0	1	0	0	0	1	4	0	0	0
20:00	126	0	111	11	0	1	0	0	0	0	1	2	0	0	0
21:00	86	0	80	4	1	0	0	0	0	0	0	1	0	0	0
22:00	36	0	32	3	0	1	0	0	0	0	0	0	0	0	0
23:00	30	0	27	1	1	0	0	0	0	0	0	1	0	0	0
12H,7-19	5454	40	4118	922	38	82	104	16	77	1	26	29	1	0	0
16H,6-22	6079	42	4634	989	40	87	109	17	83	2	33	42	1	0	0
18H,6-24	6145	42	4693	993	41	88	109	17	83	2	33	43	1	0	0
24H,0-24	6329	44	4826	1016	42	91	111	17	87	2	39	53	1	0	0

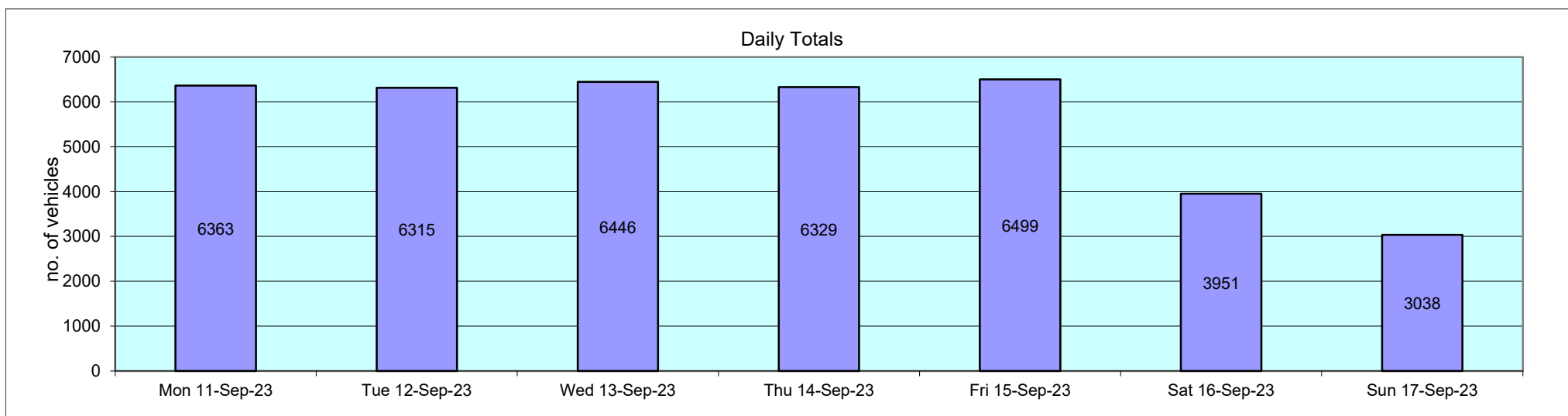
12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Southbound												
												FIVE OR LESS		SEVEN	
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	OR MORE AXLE ARTIC	
Fri 15-Sep-23															
00:00	25	0	20	2	0	0	0	0	0	0	1	2	0	0	
01:00	16	0	15	0	0	0	0	0	0	0	0	1	0	0	
02:00	14	0	6	6	0	0	1	0	0	0	0	1	0	0	
03:00	15	0	10	4	0	1	0	0	0	0	0	0	0	0	
04:00	25	0	17	5	1	0	0	0	0	0	2	0	0	0	
05:00	76	1	52	15	1	0	0	0	1	0	4	2	0	0	
06:00	202	1	128	48	1	4	8	0	4	0	4	4	0	0	
07:00	360	5	233	80	4	10	10	0	8	1	4	5	0	0	
08:00	431	4	274	111	4	13	10	0	11	0	2	2	0	0	
09:00	462	4	308	111	7	9	11	0	8	0	2	2	0	0	
10:00	444	5	307	96	2	13	6	1	8	1	3	2	0	0	
11:00	514	5	366	104	5	11	12	0	6	0	0	5	0	0	
12:00	539	4	410	88	1	7	19	0	7	0	2	1	0	0	
13:00	523	6	406	69	5	3	14	2	9	0	5	4	0	0	
14:00	628	7	510	82	3	5	10	1	8	1	0	1	0	0	
15:00	506	2	417	67	3	1	5	1	8	0	0	2	0	0	
16:00	542	1	440	87	3	3	1	0	3	1	1	2	0	0	
17:00	409	7	355	38	1	3	1	0	3	0	0	1	0	0	
18:00	298	1	259	28	1	3	0	1	0	0	2	3	0	0	
19:00	191	3	169	13	1	1	2	0	1	0	0	1	0	0	
20:00	116	0	104	9	1	0	0	0	0	0	1	1	0	0	
21:00	74	1	58	12	1	0	0	0	0	0	1	1	0	0	
22:00	47	0	47	0	0	0	0	0	0	0	0	0	0	0	
23:00	42	0	36	4	1	0	0	0	0	0	0	1	0	0	
12H,7-19	5656	51	4285	961	39	81	99	6	79	4	21	30	0	0	
16H,6-22	6239	56	4744	1043	43	86	109	6	84	4	27	37	0	0	
18H,6-24	6328	56	4827	1047	44	86	109	6	84	4	27	38	0	0	
24H,0-24	6499	57	4947	1079	46	87	110	6	85	4	34	44	0	0	

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Southbound												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR		BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS		SEVEN OR MORE AXLE ARTIC	
			CAR-BASED LGV	LIGHT GOODS VEHICLES								AXLE MULTI-TRAILER ARTIC	AXLE MULTI-TRAILER ARTIC		
Sat 16-Sep-23															
00:00	34	0	30	2	0	0	0	0	0	0	2	0	0	0	
01:00	17	0	15	1	0	0	0	0	0	0	0	1	0	0	
02:00	12	0	8	3	0	0	0	0	0	0	0	1	0	0	
03:00	21	0	18	2	0	1	0	0	0	0	0	0	0	0	
04:00	18	0	15	1	0	0	0	0	1	0	0	1	0	0	
05:00	32	0	26	4	0	0	0	0	0	0	1	1	0	0	
06:00	63	1	40	18	0	0	0	0	1	0	3	0	0	0	
07:00	107	0	65	32	0	5	2	0	2	0	1	0	0	0	
08:00	258	2	178	59	1	2	3	1	8	0	4	0	0	0	
09:00	282	0	227	48	0	1	0	1	1	0	3	1	0	0	
10:00	371	2	310	50	0	0	2	1	4	0	1	1	0	0	
11:00	401	2	343	39	1	3	3	2	7	0	0	1	0	0	
12:00	378	3	335	33	0	1	2	0	3	0	1	0	0	0	
13:00	300	0	266	24	1	1	3	2	3	0	0	0	0	0	
14:00	263	2	235	23	0	0	0	0	3	0	0	0	0	0	
15:00	287	1	254	26	0	0	1	1	3	0	1	0	0	0	
16:00	261	5	236	16	0	1	0	0	3	0	0	0	0	0	
17:00	246	2	220	21	0	1	2	0	0	0	0	0	0	0	
18:00	209	2	191	11	1	2	2	0	0	0	0	0	0	0	
19:00	144	2	131	10	0	1	0	0	0	0	0	0	0	0	
20:00	88	1	80	7	0	0	0	0	0	0	0	0	0	0	
21:00	77	0	73	4	0	0	0	0	0	0	0	0	0	0	
22:00	57	0	51	6	0	0	0	0	0	0	0	0	0	0	
23:00	25	1	19	3	2	0	0	0	0	0	0	0	0	0	
12H,7-19	3363	21	2860	382	4	17	20	8	37	0	11	3	0	0	
16H,6-22	3735	25	3184	421	4	18	20	8	38	0	14	3	0	0	
18H,6-24	3817	26	3254	430	6	18	20	8	38	0	14	3	0	0	
24H,0-24	3951	26	3366	443	6	19	20	8	39	0	17	7	0	0	

12667			LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd					
Mon 11-Sep-23 to Sun 17-Sep-23			Channel: Southbound												
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS		SEVEN OR MORE AXLE ARTIC	
												AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC		
Sun 17-Sep-23															
00:00	26	1	23	2	0	0	0	0	0	0	0	0	0	0	
01:00	15	0	15	0	0	0	0	0	0	0	0	0	0	0	
02:00	10	0	6	4	0	0	0	0	0	0	0	0	0	0	
03:00	15	0	12	3	0	0	0	0	0	0	0	0	0	0	
04:00	12	0	8	1	1	1	0	0	0	0	1	0	0	0	
05:00	22	0	19	2	1	0	0	0	0	0	0	0	0	0	
06:00	38	1	27	8	0	0	0	0	0	0	2	0	0	0	
07:00	55	0	39	14	0	1	1	0	0	0	0	0	0	0	
08:00	98	1	71	13	1	6	1	0	5	0	0	0	0	0	
09:00	154	1	129	16	0	1	0	0	4	0	1	2	0	0	
10:00	249	0	212	15	0	1	19	0	2	0	0	0	0	0	
11:00	311	1	260	23	0	0	22	0	4	0	0	1	0	0	
12:00	366	1	316	29	0	0	19	0	1	0	0	0	0	0	
13:00	330	2	278	20	0	0	23	0	3	2	1	1	0	0	
14:00	295	3	258	18	0	0	13	1	1	0	0	1	0	0	
15:00	240	2	213	14	0	0	8	0	2	0	1	0	0	0	
16:00	204	4	174	17	0	1	5	1	2	0	0	0	0	0	
17:00	147	5	128	13	0	0	1	0	0	0	0	0	0	0	
18:00	151	2	131	14	1	2	1	0	0	0	0	0	0	0	
19:00	122	1	104	10	1	0	6	0	0	0	0	0	0	0	
20:00	77	1	68	6	0	0	2	0	0	0	0	0	0	0	
21:00	48	2	40	4	0	0	2	0	0	0	0	0	0	0	
22:00	24	0	17	5	0	0	2	0	0	0	0	0	0	0	
23:00	29	0	26	2	0	0	1	0	0	0	0	0	0	0	
12H,7-19	2600	22	2209	206	2	12	113	2	24	2	3	5	0	0	
16H,6-22	2885	27	2448	234	3	12	123	2	24	2	5	5	0	0	
18H,6-24	2938	27	2491	241	3	12	126	2	24	2	5	5	0	0	
24H,0-24	3038	28	2574	253	5	13	126	2	24	2	6	5	0	0	

12667 LIVERPOOL Site No: 12667001 Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
 Mon 11-Sep-23 to Sun 17-Sep-23 Channel: Southbound

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Daily Totals														
Mon 11-Sep-23	6363	58	4926	979	43	85	99	10	88	6	31	38	0	0
Tue 12-Sep-23	6315	55	4911	938	33	69	111	11	94	1	40	52	0	0
Wed 13-Sep-23	6446	66	5038	921	42	63	130	10	89	5	32	50	0	0
Thu 14-Sep-23	6329	44	4826	1016	42	91	111	17	87	2	39	53	1	0
Fri 15-Sep-23	6499	57	4947	1079	46	87	110	6	85	4	34	44	0	0
Sat 16-Sep-23	3951	26	3366	443	6	19	20	8	39	0	17	7	0	0
Sun 17-Sep-23	3038	28	2574	253	5	13	126	2	24	2	6	5	0	0
Total Vehicles														
[--]	38941	334	30588	5629	217	427	707	64	506	20	199	249	1	0



12667	LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23				Channel: Southbound							
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Mon 11-Sep-23											
00:00	15	0	0.0	14	93.3	1	6.7	0	0.0	0	0.0
01:00	6	0	0.0	5	83.3	1	16.7	0	0.0	0	0.0
02:00	8	0	0.0	5	62.5	3	37.5	0	0.0	0	0.0
03:00	15	0	0.0	9	60.0	4	26.7	2	13.3	0	0.0
04:00	33	0	0.0	24	72.7	2	6.1	7	21.2	0	0.0
05:00	66	2	3.0	44	66.7	14	21.2	5	7.6	1	1.5
06:00	188	0	0.0	123	65.4	44	23.4	20	10.6	1	0.5
07:00	329	5	1.5	215	65.4	73	22.2	33	10.0	3	0.9
08:00	428	9	2.1	320	74.8	72	16.8	24	5.6	3	0.7
09:00	440	1	0.2	292	66.4	116	26.4	26	5.9	5	1.1
10:00	486	4	0.8	344	70.8	101	20.8	30	6.2	7	1.4
11:00	434	4	0.9	314	72.4	76	17.5	39	9.0	1	0.2
12:00	505	3	0.6	380	75.3	89	17.6	31	6.1	2	0.4
13:00	506	7	1.4	401	79.3	60	11.9	37	7.3	1	0.2
14:00	557	6	1.1	445	79.9	68	12.2	32	5.8	6	1.1
15:00	556	5	0.9	441	79.3	81	14.6	24	4.3	5	0.9
16:00	565	6	1.1	465	82.3	71	12.6	22	3.9	1	0.2
17:00	436	3	0.7	382	87.6	40	9.2	8	1.8	3	0.7
18:00	308	3	1.0	271	88.0	27	8.8	5	1.6	2	0.7
19:00	208	0	0.0	188	90.4	14	6.7	5	2.4	1	0.5
20:00	114	0	0.0	101	88.6	9	7.9	3	2.6	1	0.9
21:00	72	0	0.0	62	86.1	8	11.1	2	2.8	0	0.0
22:00	63	0	0.0	56	88.9	5	7.9	2	3.2	0	0.0
23:00	25	0	0.0	25	100.0	0	0.0	0	0.0	0	0.0
12H,7-19	5550	56	1.0	4270	76.9	874	15.8	311	5.6	39	0.7
16H,6-22	6132	56	0.9	4744	77.4	949	15.5	341	5.6	42	0.7
18H,6-24	6220	56	0.9	4825	77.6	954	15.3	343	5.5	42	0.7
24H,0-24	6363	58	0.9	4926	77.4	979	15.4	357	5.6	43	0.7

12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound						
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Tue 12-Sep-23											
00:00	24	0	0.0	21	87.5	2	8.3	1	4.2	0	0.0
01:00	13	0	0.0	9	69.2	1	7.7	3	23.1	0	0.0
02:00	17	0	0.0	12	70.6	2	11.8	3	17.7	0	0.0
03:00	18	0	0.0	12	66.7	2	11.1	4	22.2	0	0.0
04:00	29	0	0.0	24	82.8	2	6.9	2	6.9	1	3.5
05:00	72	2	2.8	50	69.4	13	18.1	6	8.3	1	1.4
06:00	177	2	1.1	121	68.4	36	20.3	18	10.2	0	0.0
07:00	322	6	1.9	219	68.0	71	22.1	24	7.5	2	0.6
08:00	420	4	1.0	306	72.9	82	19.5	27	6.4	1	0.2
09:00	436	3	0.7	312	71.6	93	21.3	25	5.7	3	0.7
10:00	453	8	1.8	310	68.4	98	21.6	35	7.7	2	0.4
11:00	462	1	0.2	324	70.1	94	20.4	38	8.2	5	1.1
12:00	514	2	0.4	400	77.8	78	15.2	33	6.4	1	0.2
13:00	485	3	0.6	386	79.6	62	12.8	28	5.8	6	1.2
14:00	481	5	1.0	385	80.0	62	12.9	26	5.4	3	0.6
15:00	557	5	0.9	441	79.2	75	13.5	33	5.9	3	0.5
16:00	555	4	0.7	474	85.4	57	10.3	19	3.4	1	0.2
17:00	452	5	1.1	390	86.3	39	8.6	18	4.0	0	0.0
18:00	310	2	0.7	266	85.8	34	11.0	8	2.6	0	0.0
19:00	205	0	0.0	184	89.8	15	7.3	3	1.5	3	1.5
20:00	143	2	1.4	118	82.5	10	7.0	13	9.1	0	0.0
21:00	104	1	1.0	90	86.5	5	4.8	7	6.7	1	1.0
22:00	31	0	0.0	27	87.1	3	9.7	1	3.2	0	0.0
23:00	35	0	0.0	30	85.7	2	5.7	3	8.6	0	0.0
12H,7-19	5447	48	0.9	4213	77.4	845	15.5	314	5.8	27	0.5
16H,6-22	6076	53	0.9	4726	77.8	911	15.0	355	5.8	31	0.5
18H,6-24	6142	53	0.9	4783	77.9	916	14.9	359	5.9	31	0.5
24H,0-24	6315	55	0.9	4911	77.8	938	14.9	378	6.0	33	0.5

12667	LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23				Channel: Southbound							
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Wed 13-Sep-23											
00:00	25	0	0.0	17	68.0	3	12.0	4	16.0	1	4.0
01:00	7	0	0.0	6	85.7	1	14.3	0	0.0	0	0.0
02:00	9	0	0.0	3	33.3	3	33.3	3	33.3	0	0.0
03:00	18	0	0.0	10	55.6	4	22.2	4	22.2	0	0.0
04:00	27	1	3.7	21	77.8	2	7.4	3	11.1	0	0.0
05:00	91	0	0.0	66	72.5	10	11.0	13	14.3	2	2.2
06:00	199	1	0.5	146	73.4	28	14.1	24	12.1	0	0.0
07:00	361	10	2.8	243	67.3	72	19.9	35	9.7	1	0.3
08:00	423	7	1.7	314	74.2	80	18.9	21	5.0	1	0.2
09:00	435	7	1.6	313	72.0	89	20.5	21	4.8	5	1.2
10:00	479	1	0.2	338	70.6	100	20.9	34	7.1	6	1.3
11:00	479	6	1.3	348	72.7	81	16.9	41	8.6	3	0.6
12:00	496	4	0.8	381	76.8	72	14.5	35	7.1	4	0.8
13:00	508	3	0.6	398	78.4	63	12.4	36	7.1	8	1.6
14:00	515	5	1.0	417	81.0	66	12.8	24	4.7	3	0.6
15:00	548	6	1.1	451	82.3	68	12.4	21	3.8	2	0.4
16:00	505	9	1.8	429	85.0	49	9.7	17	3.4	1	0.2
17:00	468	3	0.6	389	83.1	56	12.0	20	4.3	0	0.0
18:00	310	1	0.3	274	88.4	29	9.4	4	1.3	2	0.7
19:00	234	2	0.9	208	88.9	15	6.4	7	3.0	2	0.9
20:00	141	0	0.0	118	83.7	16	11.4	7	5.0	0	0.0
21:00	87	0	0.0	78	89.7	7	8.1	1	1.2	1	1.2
22:00	46	0	0.0	39	84.8	5	10.9	2	4.4	0	0.0
23:00	35	0	0.0	31	88.6	2	5.7	2	5.7	0	0.0
12H,7-19	5527	62	1.1	4295	77.7	825	14.9	309	5.6	36	0.7
16H,6-22	6188	65	1.1	4845	78.3	891	14.4	348	5.6	39	0.6
18H,6-24	6269	65	1.0	4915	78.4	898	14.3	352	5.6	39	0.6
24H,0-24	6446	66	1.0	5038	78.2	921	14.3	379	5.9	42	0.7

12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound						
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Thu 14-Sep-23											
00:00	25	0	0.0	21	84.0	1	4.0	3	12.0	0	0.0
01:00	8	0	0.0	5	62.5	3	37.5	0	0.0	0	0.0
02:00	12	0	0.0	7	58.3	4	33.3	1	8.3	0	0.0
03:00	19	0	0.0	14	73.7	3	15.8	2	10.5	0	0.0
04:00	28	0	0.0	20	71.4	1	3.6	7	25.0	0	0.0
05:00	92	2	2.2	66	71.7	11	12.0	12	13.0	1	1.1
06:00	195	0	0.0	131	67.2	36	18.5	27	13.9	1	0.5
07:00	342	7	2.1	218	63.7	79	23.1	35	10.2	3	0.9
08:00	443	4	0.9	312	70.4	90	20.3	33	7.5	4	0.9
09:00	476	4	0.8	330	69.3	108	22.7	29	6.1	5	1.1
10:00	420	2	0.5	282	67.1	92	21.9	39	9.3	5	1.2
11:00	452	3	0.7	316	69.9	85	18.8	41	9.1	7	1.6
12:00	526	6	1.1	404	76.8	80	15.2	34	6.5	2	0.4
13:00	472	2	0.4	352	74.6	89	18.9	26	5.5	3	0.6
14:00	502	3	0.6	382	76.1	84	16.7	32	6.4	1	0.2
15:00	540	4	0.7	431	79.8	73	13.5	28	5.2	4	0.7
16:00	518	4	0.8	426	82.2	66	12.7	19	3.7	3	0.6
17:00	474	0	0.0	409	86.3	51	10.8	14	3.0	0	0.0
18:00	289	1	0.4	256	88.6	25	8.7	6	2.1	1	0.4
19:00	218	2	0.9	194	89.0	16	7.3	6	2.8	0	0.0
20:00	126	0	0.0	111	88.1	11	8.7	4	3.2	0	0.0
21:00	86	0	0.0	80	93.0	4	4.7	1	1.2	1	1.2
22:00	36	0	0.0	32	88.9	3	8.3	1	2.8	0	0.0
23:00	30	0	0.0	27	90.0	1	3.3	1	3.3	1	3.3
12H,7-19	5454	40	0.7	4118	75.5	922	16.9	336	6.2	38	0.7
16H,6-22	6079	42	0.7	4634	76.2	989	16.3	374	6.2	40	0.7
18H,6-24	6145	42	0.7	4693	76.4	993	16.2	376	6.1	41	0.7
24H,0-24	6329	44	0.7	4826	76.3	1016	16.1	401	6.3	42	0.7

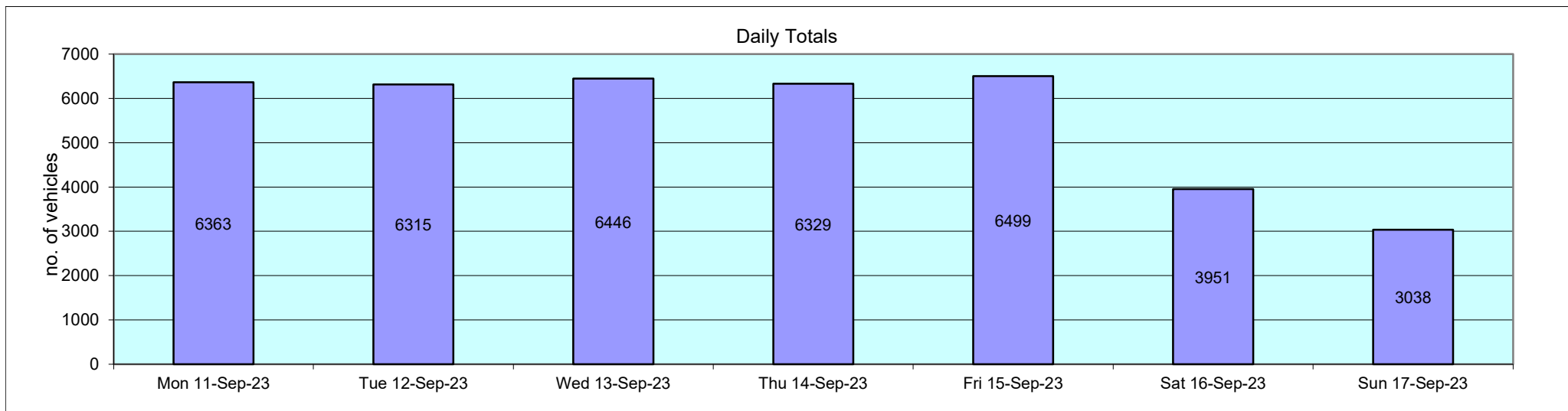
12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound						
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Fri 15-Sep-23											
00:00	25	0	0.0	20	80.0	2	8.0	3	12.0	0	0.0
01:00	16	0	0.0	15	93.8	0	0.0	1	6.3	0	0.0
02:00	14	0	0.0	6	42.9	6	42.9	2	14.3	0	0.0
03:00	15	0	0.0	10	66.7	4	26.7	1	6.7	0	0.0
04:00	25	0	0.0	17	68.0	5	20.0	2	8.0	1	4.0
05:00	76	1	1.3	52	68.4	15	19.7	7	9.2	1	1.3
06:00	202	1	0.5	128	63.4	48	23.8	24	11.9	1	0.5
07:00	360	5	1.4	233	64.7	80	22.2	38	10.6	4	1.1
08:00	431	4	0.9	274	63.6	111	25.8	38	8.8	4	0.9
09:00	462	4	0.9	308	66.7	111	24.0	32	6.9	7	1.5
10:00	444	5	1.1	307	69.1	96	21.6	34	7.7	2	0.5
11:00	514	5	1.0	366	71.2	104	20.2	34	6.6	5	1.0
12:00	539	4	0.7	410	76.1	88	16.3	36	6.7	1	0.2
13:00	523	6	1.2	406	77.6	69	13.2	37	7.1	5	1.0
14:00	628	7	1.1	510	81.2	82	13.1	26	4.1	3	0.5
15:00	506	2	0.4	417	82.4	67	13.2	17	3.4	3	0.6
16:00	542	1	0.2	440	81.2	87	16.1	11	2.0	3	0.6
17:00	409	7	1.7	355	86.8	38	9.3	8	2.0	1	0.2
18:00	298	1	0.3	259	86.9	28	9.4	9	3.0	1	0.3
19:00	191	3	1.6	169	88.5	13	6.8	5	2.6	1	0.5
20:00	116	0	0.0	104	89.7	9	7.8	2	1.7	1	0.9
21:00	74	1	1.4	58	78.4	12	16.2	2	2.7	1	1.4
22:00	47	0	0.0	47	100.0	0	0.0	0	0.0	0	0.0
23:00	42	0	0.0	36	85.7	4	9.5	1	2.4	1	2.4
12H,7-19	5656	51	0.9	4285	75.8	961	17.0	320	5.7	39	0.7
16H,6-22	6239	56	0.9	4744	76.0	1043	16.7	353	5.7	43	0.7
18H,6-24	6328	56	0.9	4827	76.3	1047	16.6	354	5.6	44	0.7
24H,0-24	6499	57	0.9	4947	76.1	1079	16.6	370	5.7	46	0.7

12667		LIVERPOOL			Site No: 12667001		Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd			
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound						
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sat 16-Sep-23											
00:00	34	0	0.0	30	88.2	2	5.9	2	5.9	0	0.0
01:00	17	0	0.0	15	88.2	1	5.9	1	5.9	0	0.0
02:00	12	0	0.0	8	66.7	3	25.0	1	8.3	0	0.0
03:00	21	0	0.0	18	85.7	2	9.5	1	4.8	0	0.0
04:00	18	0	0.0	15	83.3	1	5.6	2	11.1	0	0.0
05:00	32	0	0.0	26	81.3	4	12.5	2	6.3	0	0.0
06:00	63	1	1.6	40	63.5	18	28.6	4	6.4	0	0.0
07:00	107	0	0.0	65	60.8	32	29.9	10	9.4	0	0.0
08:00	258	2	0.8	178	69.0	59	22.9	18	7.0	1	0.4
09:00	282	0	0.0	227	80.5	48	17.0	7	2.5	0	0.0
10:00	371	2	0.5	310	83.6	50	13.5	9	2.4	0	0.0
11:00	401	2	0.5	343	85.5	39	9.7	16	4.0	1	0.3
12:00	378	3	0.8	335	88.6	33	8.7	7	1.9	0	0.0
13:00	300	0	0.0	266	88.7	24	8.0	9	3.0	1	0.3
14:00	263	2	0.8	235	89.4	23	8.8	3	1.1	0	0.0
15:00	287	1	0.4	254	88.5	26	9.1	6	2.1	0	0.0
16:00	261	5	1.9	236	90.4	16	6.1	4	1.5	0	0.0
17:00	246	2	0.8	220	89.4	21	8.5	3	1.2	0	0.0
18:00	209	2	1.0	191	91.4	11	5.3	4	1.9	1	0.5
19:00	144	2	1.4	131	91.0	10	6.9	1	0.7	0	0.0
20:00	88	1	1.1	80	90.9	7	8.0	0	0.0	0	0.0
21:00	77	0	0.0	73	94.8	4	5.2	0	0.0	0	0.0
22:00	57	0	0.0	51	89.5	6	10.5	0	0.0	0	0.0
23:00	25	1	4.0	19	76.0	3	12.0	0	0.0	2	8.0
12H,7-19	3363	21	0.6	2860	85.0	382	11.4	96	2.9	4	0.1
16H,6-22	3735	25	0.7	3184	85.3	421	11.3	101	2.7	4	0.1
18H,6-24	3817	26	0.7	3254	85.3	430	11.3	101	2.7	6	0.2
24H,0-24	3951	26	0.7	3366	85.2	443	11.2	110	2.8	6	0.2

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool	N of Cronton Rd						
Mon 11-Sep-23 to Sun 17-Sep-23		Channel: Southbound									

12667	LIVERPOOL	Site No: 12667001	Location	Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
Mon 11-Sep-23 to Sun 17-Sep-23		Channel: Southbound		

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Daily Totals											
Mon 11-Sep-23	6363	58	0.9	4926	77.4	979	15.4	357	5.6	43	0.7
Tue 12-Sep-23	6315	55	0.9	4911	77.8	938	14.9	378	6.0	33	0.5
Wed 13-Sep-23	6446	66	1.0	5038	78.2	921	14.3	379	5.9	42	0.7
Thu 14-Sep-23	6329	44	0.7	4826	76.3	1016	16.1	401	6.3	42	0.7
Fri 15-Sep-23	6499	57	0.9	4947	76.1	1079	16.6	370	5.7	46	0.7
Sat 16-Sep-23	3951	26	0.7	3366	85.2	443	11.2	110	2.8	6	0.2
Sun 17-Sep-23	3038	28	0.9	2574	84.7	253	8.3	178	5.9	5	0.2
Total Vehicles											
[--]	38941	334	0.9	30588	79.4	5629	13.8	2173	5.5	217	0.5



12667		LIVERPOOL			Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Mon 11-Sep-23																
00:00	15	36.6	33.8	5.7	0	0	0	0	1	2	9	2	0	1	0	0
01:00	6	-	32.7	9.7	0	0	0	0	2	1	1	1	0	1	0	0
02:00	8	-	34.1	6.4	0	0	0	0	1	2	0	5	0	0	0	0
03:00	15	38.1	31.8	7.6	0	0	0	1	2	4	4	3	0	1	0	0
04:00	33	37.6	32.4	5.9	0	0	0	1	1	12	12	5	1	1	0	0
05:00	66	37.2	31.2	5.7	0	0	1	0	9	24	19	11	2	0	0	0
06:00	188	34.9	29.6	5.8	0	0	0	11	31	78	50	9	8	1	0	0
07:00	329	32.2	25.6	6.4	0	2	14	63	87	100	55	6	1	0	1	0
08:00	428	27.5	19.2	7.3	6	43	106	116	75	57	20	5	0	0	0	0
09:00	440	31.1	25.1	6.1	0	3	20	75	156	118	61	3	3	0	0	1
10:00	486	30.1	23.7	6.4	3	13	40	93	153	134	46	4	0	0	0	0
11:00	434	32.2	25.8	6.6	3	12	11	58	121	146	72	9	2	0	0	0
12:00	505	29.8	24.2	5.8	0	2	31	103	180	147	34	7	0	0	0	1
13:00	506	29.7	23.8	5.9	0	4	29	127	179	121	37	7	1	1	0	0
14:00	557	29.4	22.9	7.9	2	15	74	124	193	95	38	6	1	0	0	9
15:00	556	30.3	22.5	7.2	1	19	79	147	139	101	60	6	2	2	0	0
16:00	565	29.2	21.6	7.6	3	32	88	159	127	112	32	6	3	0	0	3
17:00	436	31	23.4	7.7	3	22	57	77	100	111	54	10	2	0	0	0
18:00	308	34.5	28.3	5.9	0	2	4	15	89	96	79	20	3	0	0	0
19:00	208	34.4	28.8	5.3	0	0	1	10	49	78	57	12	1	0	0	0
20:00	114	33.5	28.6	4.7	0	0	0	4	26	54	25	4	1	0	0	0
21:00	72	34.5	29.3	6	0	1	0	3	13	29	21	3	1	1	0	0
22:00	63	35.7	29.5	6.3	0	0	2	3	9	25	15	8	1	0	0	0
23:00	25	35.7	31.7	4.8	0	0	0	0	3	7	11	4	0	0	0	0
12H,7-19	5550	30.6	23.6	7.1	21	169	553	1157	1599	1338	588	89	18	3	1	14
16H,6-22	6132	31	24.1	7.1	21	170	554	1185	1718	1577	741	117	29	5	1	14
18H,6-24	6220	31.1	24.2	7.2	21	170	556	1188	1730	1609	767	129	30	5	1	14
24H,0-24	6363	31.4	24.4	7.2	21	170	557	1190	1746	1654	812	156	33	9	1	14

12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Tue 12-Sep-23																
00:00	24	37.1	32.3	4.9	0	0	0	0	1	10	8	4	1	0	0	0
01:00	13	33.8	31.2	7.4	0	0	1	0	1	3	6	1	1	0	0	0
02:00	17	35.9	31.1	4.6	0	0	0	0	1	9	4	3	0	0	0	0
03:00	18	37.8	30.4	6.1	0	0	0	0	5	6	2	5	0	0	0	0
04:00	29	35.6	31.9	6.2	0	0	0	0	4	9	12	1	2	1	0	0
05:00	72	34.6	29.5	6.3	0	0	1	3	13	30	19	3	2	0	1	0
06:00	177	34	28.3	5.6	0	1	1	10	45	69	40	9	2	0	0	0
07:00	322	30	22.3	7.4	5	18	43	60	91	71	30	3	1	0	0	0
08:00	420	25.7	19.6	6.2	5	27	83	135	113	47	8	2	0	0	0	0
09:00	436	30.2	24.2	6.4	0	7	32	82	149	118	35	9	4	0	0	0
10:00	453	29.5	23.7	5.8	3	8	31	79	168	137	25	2	0	0	0	0
11:00	462	30.6	25	5.9	1	2	22	80	156	143	48	7	2	1	0	0
12:00	514	30.4	23.9	6.5	0	8	30	137	163	112	53	6	4	0	0	1
13:00	485	30.1	23.9	6.7	0	11	43	92	167	119	35	12	5	1	0	0
14:00	481	31.4	25	6.6	1	6	30	88	139	139	64	11	2	1	0	0
15:00	557	28.7	21.7	6.9	2	28	85	131	170	104	30	4	1	2	0	0
16:00	555	29.3	22.5	6.6	2	19	54	156	170	106	40	7	0	0	0	1
17:00	452	30.7	24	7.1	3	15	47	71	119	138	49	8	2	0	0	0
18:00	310	32.9	27.8	5.3	0	0	4	24	68	146	56	9	1	2	0	0
19:00	205	34	28.5	5.4	0	0	3	10	46	82	54	8	1	1	0	0
20:00	143	33.1	28.5	4.8	0	1	0	7	23	78	29	4	1	0	0	0
21:00	104	35.4	30.5	6.6	0	0	2	1	15	47	26	7	1	4	1	0
22:00	31	34.8	29.8	5.2	0	0	0	1	7	8	13	2	0	0	0	0
23:00	35	35.6	30.6	5.1	0	0	0	0	5	16	9	4	1	0	0	0
12H,7-19	5447	30.2	23.5	6.7	22	149	504	1135	1673	1380	473	80	22	7	0	2
16H,6-22	6076	30.6	24.1	6.8	22	151	510	1163	1802	1656	622	108	27	12	1	2
18H,6-24	6142	30.6	24.1	6.8	22	151	510	1164	1814	1680	644	114	28	12	1	2
24H,0-24	6315	30.8	24.3	6.9	22	151	512	1167	1839	1747	695	131	34	13	2	2

12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Wed 13-Sep-23																
00:00	25	37.5	31.7	5.2	0	0	0	0	3	9	7	6	0	0	0	0
01:00	7	-	30.6	4.1	0	0	0	0	0	5	1	1	0	0	0	0
02:00	9	-	31.3	5.8	0	0	0	0	2	2	3	2	0	0	0	0
03:00	18	40.7	33.2	7.1	0	0	0	0	3	5	3	4	3	0	0	0
04:00	27	38.5	31.6	7.4	0	0	1	1	4	4	10	5	2	0	0	0
05:00	91	34.1	28.7	5.8	0	0	0	2	30	35	16	4	3	1	0	0
06:00	199	34.6	29.2	5.1	0	0	0	8	38	92	43	17	1	0	0	0
07:00	361	30.6	23	8.1	5	26	34	65	107	75	34	11	3	0	0	1
08:00	423	25.5	18.9	6.7	8	48	69	147	97	44	6	3	1	0	0	0
09:00	435	29.8	23	6.8	4	13	55	77	137	110	34	4	1	0	0	0
10:00	479	30.5	24.5	6.1	0	4	37	93	131	159	46	9	0	0	0	0
11:00	479	30.4	23.4	6.8	0	17	44	103	153	102	49	10	0	1	0	0
12:00	496	30.3	24	6.2	0	8	26	121	160	122	53	4	1	0	1	0
13:00	508	30.5	24.5	6.4	1	12	32	89	159	152	52	10	0	1	0	0
14:00	515	31.1	24.6	7	3	15	37	80	148	153	69	6	3	0	0	1
15:00	548	30.2	23.1	7.2	5	17	73	107	143	143	49	8	3	0	0	0
16:00	505	29.3	20.9	7.9	8	38	115	90	112	101	27	11	2	1	0	0
17:00	468	29.5	23	6.3	3	8	44	115	146	115	31	5	1	0	0	0
18:00	310	32.3	27.3	5.3	0	0	9	21	79	141	50	9	1	0	0	0
19:00	234	33.5	28.2	5.4	0	0	2	11	62	105	37	13	3	1	0	0
20:00	141	33.4	28.1	4.9	0	0	0	7	40	56	34	3	1	0	0	0
21:00	87	34.3	29	5.1	0	0	0	3	21	35	22	5	1	0	0	0
22:00	46	34.3	29.4	5.7	0	0	0	3	7	20	13	2	0	1	0	0
23:00	35	34.5	28.1	6.8	0	1	0	2	11	9	9	2	1	0	0	0
12H,7-19	5527	30.2	23.3	7	37	206	575	1108	1572	1417	500	90	16	3	1	2
16H,6-22	6188	30.6	23.9	7	37	206	577	1137	1733	1705	636	128	22	4	1	2
18H,6-24	6269	30.7	23.9	7.1	37	207	577	1142	1751	1734	658	132	23	5	1	2
24H,0-24	6446	30.8	24.1	7.1	37	207	578	1145	1793	1794	698	154	31	6	1	2

12667		LIVERPOOL			Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Thu 14-Sep-23																
00:00	25	35	29.1	6.5	0	0	1	0	7	8	6	2	1	0	0	0
01:00	8	-	29.1	5.8	0	0	0	0	3	2	2	1	0	0	0	0
02:00	12	33.7	29.8	4	0	0	0	0	2	5	5	0	0	0	0	0
03:00	19	30.1	28.8	3.8	0	0	0	0	3	13	2	1	0	0	0	0
04:00	28	35.3	29.6	5.8	0	0	0	1	6	12	5	3	1	0	0	0
05:00	92	34.7	29.2	5.8	0	0	1	4	21	33	25	5	3	0	0	0
06:00	195	33.5	28.3	5.5	0	0	2	8	52	86	35	8	2	2	0	0
07:00	342	30.2	22.8	7.1	7	11	39	72	89	86	36	2	0	0	0	0
08:00	443	27.9	20.7	6.9	3	36	70	117	124	67	22	3	1	0	0	0
09:00	476	28.6	21.1	7	5	32	75	115	132	88	25	4	0	0	0	0
10:00	420	30.3	24.5	6	1	9	23	60	157	124	40	6	0	0	0	0
11:00	452	29.9	23.9	6.2	0	10	42	78	140	147	28	7	0	0	0	0
12:00	526	29.5	22.7	6.5	1	18	56	133	152	123	38	4	1	0	0	0
13:00	472	30.2	24.1	6.2	0	8	27	111	142	133	39	11	1	0	0	0
14:00	502	29.7	23.5	6	0	6	35	128	164	127	37	4	0	0	1	0
15:00	540	30.3	23.7	6.4	2	7	52	112	174	131	52	9	1	0	0	0
16:00	518	28.9	21.3	7.5	6	40	88	95	153	98	26	11	1	0	0	0
17:00	474	31.8	24.7	6.8	1	4	41	92	128	125	73	7	2	0	0	1
18:00	289	33.5	27.7	5.6	0	1	3	24	73	116	57	13	2	0	0	0
19:00	218	35	29.8	5.9	1	0	1	6	32	99	57	19	1	0	0	2
20:00	126	34.2	29.3	4.7	0	0	0	1	27	57	34	5	2	0	0	0
21:00	86	34.9	29.4	5.5	0	0	1	4	16	29	29	7	0	0	0	0
22:00	36	34.7	29.9	4.8	0	0	0	1	5	16	11	3	0	0	0	0
23:00	30	34.5	29.2	6.1	0	0	2	1	2	13	10	2	0	0	0	0
12H,7-19	5454	30.1	23.2	6.8	26	182	551	1137	1628	1365	473	81	9	0	1	1
16H,6-22	6079	30.6	23.9	6.9	27	182	555	1156	1755	1636	628	120	14	2	1	3
18H,6-24	6145	30.6	23.9	6.9	27	182	557	1158	1762	1665	649	125	14	2	1	3
24H,0-24	6329	30.7	24.1	6.9	27	182	559	1163	1804	1738	694	137	19	2	1	3

12667		LIVERPOOL			Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Fri 15-Sep-23																
00:00	25	33	28.7	4	0	0	0	0	6	12	7	0	0	0	0	0
01:00	16	31.3	27.6	6	0	0	0	1	6	6	2	0	1	0	0	0
02:00	14	30.6	26.7	4.9	0	0	0	2	3	7	2	0	0	0	0	0
03:00	15	34.8	29.8	5.3	0	0	0	1	1	8	3	2	0	0	0	0
04:00	25	35.3	31.9	4.5	0	0	0	1	1	5	16	2	0	0	0	0
05:00	76	38.1	30.9	6.7	0	0	0	3	14	25	18	10	5	1	0	0
06:00	202	34.5	29	5.3	0	0	0	8	47	83	47	14	3	0	0	0
07:00	360	31.8	25	6.7	1	7	23	67	92	107	53	9	1	0	0	0
08:00	431	28.8	21.4	6.9	5	29	54	110	120	87	25	1	0	0	0	0
09:00	462	29.9	23.7	6.1	3	4	37	97	165	110	38	8	0	0	0	0
10:00	444	30.4	24.1	6.3	2	8	34	80	142	126	49	3	0	0	0	0
11:00	514	30.1	23.2	7	5	16	60	91	167	119	45	9	2	0	0	0
12:00	539	28.7	22.2	6.4	8	17	52	135	190	102	29	5	1	0	0	0
13:00	523	29.4	23.2	5.9	0	7	40	144	169	125	30	7	1	0	0	0
14:00	628	29.4	22.7	6.3	2	10	67	172	205	113	47	11	1	0	0	0
15:00	506	30.7	24.9	6	0	3	23	107	154	152	57	7	2	1	0	0
16:00	542	30.8	24.2	7.2	0	19	57	83	157	150	61	12	0	1	2	0
17:00	409	33.3	26.7	6.6	1	6	17	40	105	146	71	19	4	0	0	0
18:00	298	33.3	27.8	5.6	0	2	5	21	64	136	53	16	1	0	0	0
19:00	191	34.7	29.3	5.7	0	0	0	16	29	76	55	11	3	1	0	0
20:00	116	34.5	28.5	6.5	0	2	4	3	24	46	27	7	3	0	0	0
21:00	74	35.6	30.2	6.4	0	0	0	3	13	30	18	7	1	1	1	0
22:00	47	36.8	30.9	7.6	0	0	0	3	6	19	11	3	4	0	0	1
23:00	42	33.8	28.5	5.4	0	0	1	2	8	18	11	2	0	0	0	0
12H,7-19	5656	30.4	23.9	6.6	27	128	469	1147	1730	1473	558	107	13	2	2	0
16H,6-22	6239	30.8	24.4	6.7	27	130	473	1177	1843	1708	705	146	23	4	3	0
18H,6-24	6328	30.9	24.4	6.8	27	130	474	1182	1857	1745	727	151	27	4	3	1
24H,0-24	6499	31	24.6	6.8	27	130	474	1190	1888	1808	775	165	33	5	3	1

12667		LIVERPOOL			Site No: 12667001			Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd								
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sat 16-Sep-23																
00:00	34	36.3	31.4	4.7	0	0	0	0	3	14	11	6	0	0	0	0
01:00	17	33	28.2	4.7	0	0	0	1	4	7	5	0	0	0	0	0
02:00	12	40.3	32.3	6.9	0	0	0	0	1	7	0	2	2	0	0	0
03:00	21	38.3	33	5.6	0	0	0	0	2	5	9	3	2	0	0	0
04:00	18	35.7	31.8	5.3	0	0	0	0	4	1	10	3	0	0	0	0
05:00	32	39.1	32.7	6.1	0	0	0	1	2	10	10	6	3	0	0	0
06:00	63	35.8	30.1	5.8	0	0	0	3	12	20	19	8	1	0	0	0
07:00	107	36.5	30.2	6.9	0	1	0	7	16	38	27	14	1	2	1	0
08:00	258	34.8	29.2	5.7	0	0	2	19	45	92	80	18	1	1	0	0
09:00	282	34.3	29	5.3	0	0	2	20	37	133	72	15	3	0	0	0
10:00	371	33.4	27.5	5.6	0	2	5	32	99	143	71	18	1	0	0	0
11:00	401	32.9	27.1	5.8	0	2	12	36	100	164	68	18	1	0	0	0
12:00	378	32.9	27.4	5.7	1	0	2	35	113	143	69	11	2	1	0	1
13:00	300	34.3	29.1	5.3	0	0	2	15	50	135	79	17	1	0	1	0
14:00	263	34.6	28.9	5.6	0	0	1	18	50	114	56	18	6	0	0	0
15:00	287	34.4	29.2	5.3	0	0	4	10	45	135	72	18	2	1	0	0
16:00	261	34.5	29.4	5.2	0	0	0	6	57	108	72	12	4	2	0	0
17:00	246	35	29.6	5.8	0	0	4	10	38	101	69	19	4	0	1	0
18:00	209	35.4	30.3	6.5	0	0	2	8	24	99	50	16	5	2	1	2
19:00	144	35.2	30.3	5.7	0	0	1	4	19	62	43	10	2	3	0	0
20:00	88	34.4	29.8	5	0	0	1	2	11	40	30	3	0	1	0	0
21:00	77	34.7	29.7	5.5	0	0	1	3	11	30	27	3	2	0	0	0
22:00	57	37	30	7.1	0	0	1	3	10	23	10	5	4	1	0	0
23:00	25	35.2	28.9	9.3	0	0	3	1	5	5	8	1	1	0	1	0
12H,7-19	3363	34.3	28.7	5.7	1	5	36	216	674	1405	785	194	31	9	4	3
16H,6-22	3735	34.4	28.8	5.7	1	5	39	228	727	1557	904	218	36	13	4	3
18H,6-24	3817	34.4	28.8	5.8	1	5	43	232	742	1585	922	224	41	14	5	3
24H,0-24	3951	34.6	28.9	5.8	1	5	43	234	758	1629	967	244	48	14	5	3

12667 LIVERPOOL					Site No: 12667001		Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd									
Mon 11-Sep-23 to Sun 17-Sep-23					Channel: Southbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sun 17-Sep-23																
00:00	26	33.2	27.9	5.2	0	0	0	2	7	10	6	1	0	0	0	0
01:00	15	33.8	29.8	4.2	0	0	0	0	2	8	4	1	0	0	0	0
02:00	10	36	31	5	0	0	0	0	1	5	2	2	0	0	0	0
03:00	15	35	31.2	5.1	0	0	0	1	1	3	9	1	0	0	0	0
04:00	12	38.1	33.1	4.7	0	0	0	0	0	5	3	4	0	0	0	0
05:00	22	37.2	31.9	4.7	0	0	0	0	1	10	6	5	0	0	0	0
06:00	38	36.8	30.5	6.2	0	0	0	2	5	16	8	5	2	0	0	0
07:00	55	36.2	31.4	5.8	0	0	0	4	4	13	25	8	1	0	0	0
08:00	98	38.4	32	5.9	0	0	0	3	11	28	29	25	1	1	0	0
09:00	154	35.7	30.7	5.2	0	0	0	7	12	65	49	19	2	0	0	0
10:00	249	34.7	29.5	5.1	0	0	1	9	39	117	61	19	3	0	0	0
11:00	311	33.6	28.3	5.2	0	0	3	13	79	136	63	14	3	0	0	0
12:00	366	32	26.2	6	0	6	10	44	101	137	61	5	2	0	0	0
13:00	330	31.8	26.9	5.3	0	0	5	32	98	137	48	8	1	1	0	0
14:00	295	31.9	26.4	5.7	0	2	5	40	84	111	45	7	0	1	0	0
15:00	240	35.6	30.1	5.8	0	0	1	10	32	104	62	25	4	1	0	1
16:00	204	35.6	30.4	5.8	0	0	2	8	23	84	61	21	2	3	0	0
17:00	147	35.5	31	5.6	0	0	1	4	14	54	57	11	4	2	0	0
18:00	151	33.7	28.7	5.1	0	0	0	8	30	71	35	6	0	0	1	0
19:00	122	34	29	4.9	0	0	0	4	26	54	32	4	2	0	0	0
20:00	77	34.9	29.7	4.9	0	0	1	0	12	38	18	8	0	0	0	0
21:00	48	34.2	30.3	5.7	0	0	0	0	7	23	16	1	0	0	0	1
22:00	24	34.3	28.5	6.6	0	0	1	1	7	5	9	0	1	0	0	0
23:00	29	37.4	31.6	5.8	0	0	0	0	4	11	8	4	2	0	0	0
12H,7-19	2600	34.4	28.6	5.8	0	8	28	182	527	1057	596	168	23	9	1	1
16H,6-22	2885	34.4	28.7	5.8	0	8	29	188	577	1188	670	186	27	9	1	2
18H,6-24	2938	34.5	28.7	5.8	0	8	30	189	588	1204	687	190	30	9	1	2
24H,0-24	3038	34.5	28.8	5.8	0	8	30	192	600	1245	717	204	30	9	1	2

12667 LIVERPOOL Site No: 12667001 Location Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd
Mon 11-Sep-23 to Sun 17-Sep-23 Channel: Southbound

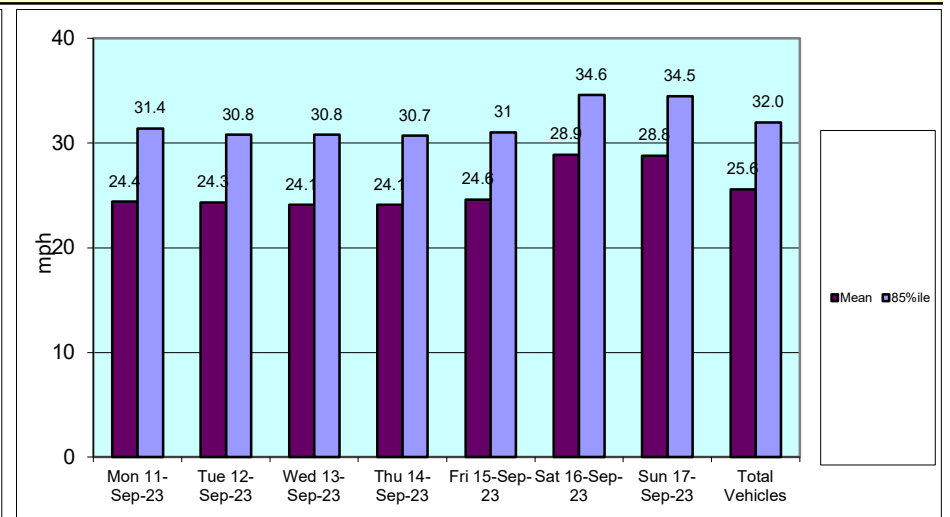
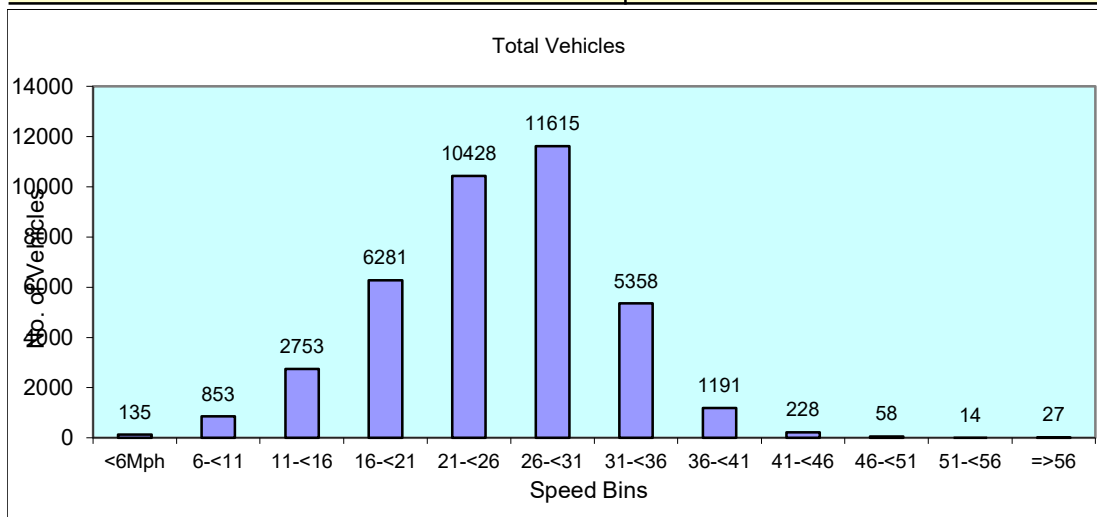
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
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Daily Totals

Mon 11-Sep-23	6363	31.4	24.4	7.2	21	170	557	1190	1746	1654	812	156	33	9	1	14
Tue 12-Sep-23	6315	30.8	24.3	6.9	22	151	512	1167	1839	1747	695	131	34	13	2	2
Wed 13-Sep-23	6446	30.8	24.1	7.1	37	207	578	1145	1793	1794	698	154	31	6	1	2
Thu 14-Sep-23	6329	30.7	24.1	6.9	27	182	559	1163	1804	1738	694	137	19	2	1	3
Fri 15-Sep-23	6499	31	24.6	6.8	27	130	474	1190	1888	1808	775	165	33	5	3	1
Sat 16-Sep-23	3951	34.6	28.9	5.8	1	5	43	234	758	1629	967	244	48	14	5	3
Sun 17-Sep-23	3038	34.5	28.8	5.8	0	8	30	192	600	1245	717	204	30	9	1	2

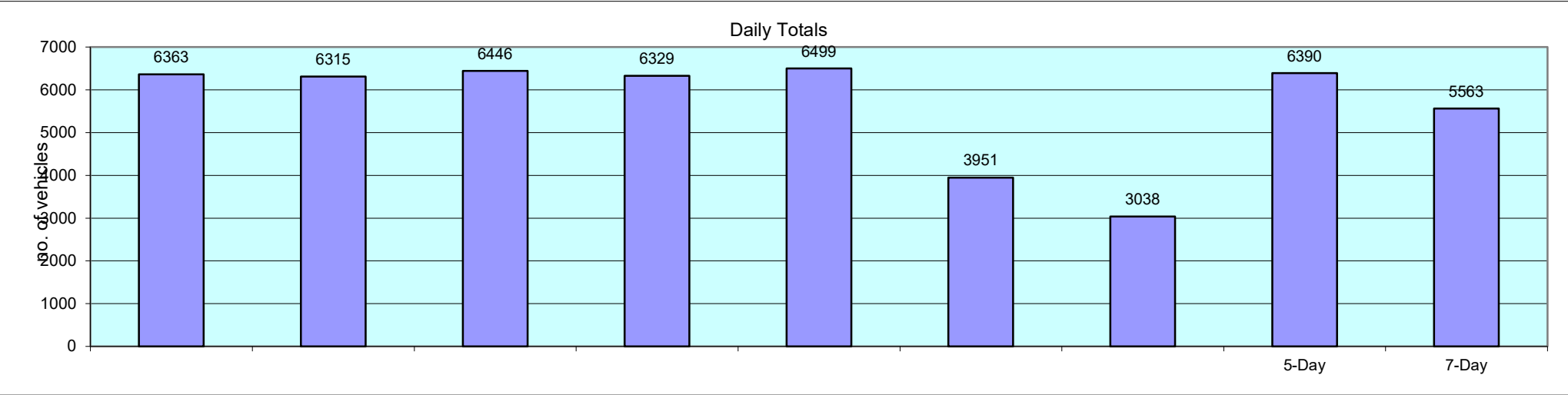
Total Vehicles

[--]	38941	32.0	25.6	6.6	135	853	2753	6281	10428	11615	5358	1191	228	58	14	27
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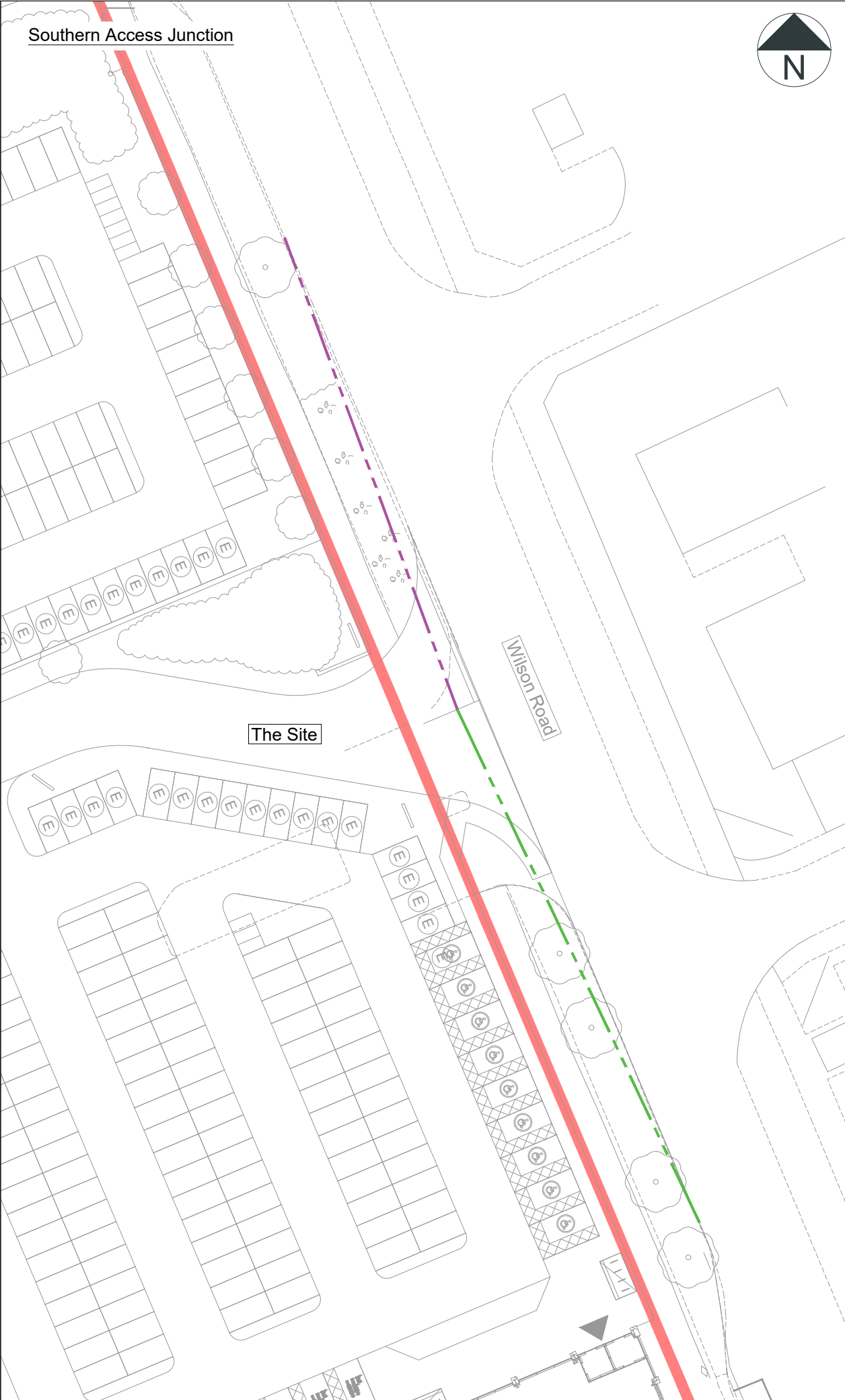
12667	LIVERPOOL			Site No: 12667001		Location		Wilson Rd, Tarbock Grn, Liverpool N of Cronton Rd		
	Channel: Southbound									
TIME PERIOD	Mon 11-Sep-23	Tue 12-Sep-23	Wed 13-Sep-23	Thu 14-Sep-23	Fri 15-Sep-23	Sat 16-Sep-23	Sun 17-Sep-23	5-Day Av	7-Day Av	
Week Begin: 11-Sep-23										
00:00	15	24	25	25	25	34	26	23	25	
01:00	6	13	7	8	16	17	15	10	12	
02:00	8	17	9	12	14	12	10	12	12	
03:00	15	18	18	19	15	21	15	17	17	
04:00	33	29	27	28	25	18	12	28	25	
05:00	66	72	91	92	76	32	22	79	64	
06:00	188	177	199	195	202	63	38	192	152	
07:00	329	322	361	342	360	107	55	343	268	
08:00	428	420	423	443	431	258	98	429	357	
09:00	440	436	435	476	462	282	154	450	384	
10:00	486	453	479	420	444	371	249	456	415	
11:00	434	462	479	452	514	401	311	468	436	
12:00	505	514	496	526	539	378	366	516	475	
13:00	506	485	508	472	523	300	330	499	446	
14:00	557	481	515	502	628	263	295	537	463	
15:00	556	557	548	540	506	287	240	541	462	
16:00	565	555	505	518	542	261	204	537	450	
17:00	436	452	468	474	409	246	147	448	376	
18:00	308	310	310	289	298	209	151	303	268	
19:00	208	205	234	218	191	144	122	211	189	
20:00	114	143	141	126	116	88	77	128	115	
21:00	72	104	87	86	74	77	48	85	78	
22:00	63	31	46	36	47	57	24	45	43	
23:00	25	35	35	30	42	25	29	33	32	
12H,7-19	5550	5447	5527	5454	5656	3363	2600	5527	4800	
16H,6-22	6132	6076	6188	6079	6239	3735	2885	6143	5333	
18H,6-24	6220	6142	6269	6145	6328	3817	2938	6221	5408	
24H,0-24	6363	6315	6446	6329	6499	3951	3038	6390	5563	
Am	10:00	11:00	11:00	09:00	11:00	11:00	11:00			
Peak	486	462	479	476	514	401	311			
Pm	16:00	15:00	15:00	15:00	14:00	12:00	12:00			
Peak	565	557	548	540	628	378	366			

TIME PERIOD	Mon 11-Sep-23	Tue 12-Sep-23	Wed 13-Sep-23	Thu 14-Sep-23	Fri 15-Sep-23	Sat 16-Sep-23	Sun 17-Sep-23	5-Day Av	7-Day Av
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Appendix D – Access Visibility Splays



- Notes:**
1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 2. This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 3. Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

- Key:**
- Indicative Site Boundary
 - 2.4m x 49.3m Visibility Splay (32.0mph)
 - 2.4m x 55.7m Visibility Splay (34.6mph)

-	-	-	-	-	-
Rev	Date	Details	By	Chkd	



CLIENT:
DAVOS Property Developments Ltd

PROJECT:
Sovereign Park (Phase 2),
Huyton

TITLE:
Access Visibility Splays

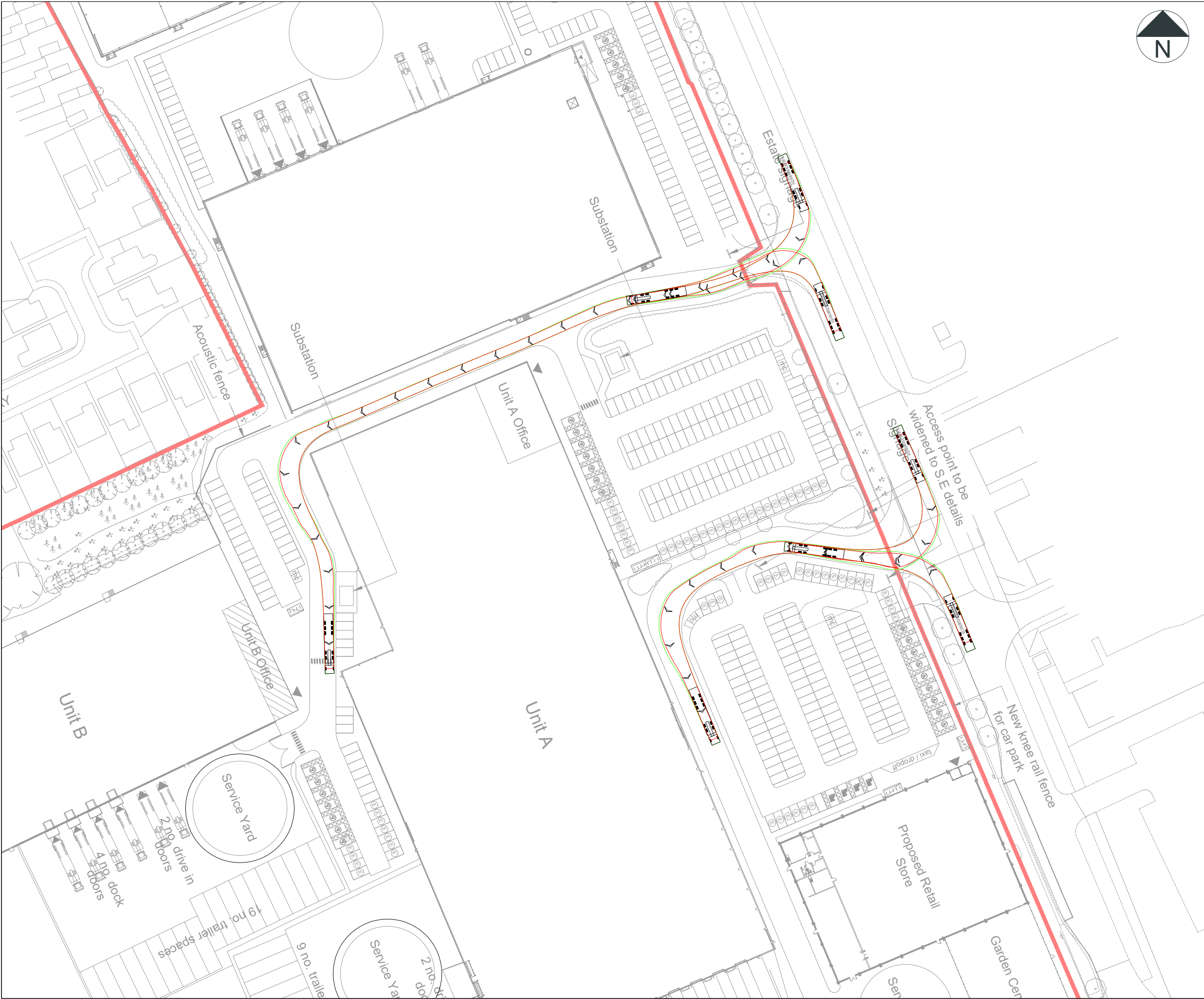
SCALE @ A3: 1:500	DATE: 09.10.23	DRAWN: AS	CHECKED: TS	APPROVED: TS
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STATUS:
INFORMATION

DRAWING NO: 230587-RAP-XX-XX-DR-TP-3204	REVISION: -
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Appendix E – Swept Path Analysis

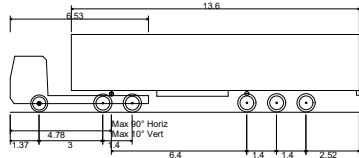


- Notes:**
1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 2. This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 3. Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

Key:

— Indicative Site Boundary

Vehicle Profile



Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m

P01	09.10.23	Revised site layout	AS	TS
Rev	Date	Details	By	Chkd

rappor



CLIENT:
DAVOS Property Developments Ltd

PROJECT:
Sovereign Park (Phase 2),
Huyton

TITLE:
Swept Path Analysis - 16.5m Articulated
Vehicle - Inbound Roads

SCALE @ A3: 1:1000	DATE: 19.09.23	DRAWN: FA	CHECKED: TS	APPROVED: TS
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STATUS: INFORMATION

DRAWING NO: 230587-RAP-XX-XX-DR-TP-4100	REVISION: P01
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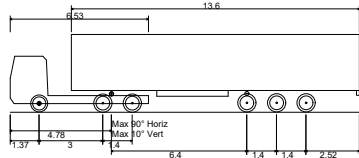


- Notes:**
1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 2. This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 3. Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

Key:

— Indicative Site Boundary

Vehicle Profile



Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m

P01	09.10.23	Revised site layout	AS	TS
Rev	Date	Details	By	Chkd

rappor



CLIENT:
DAVOS Property Developments Ltd

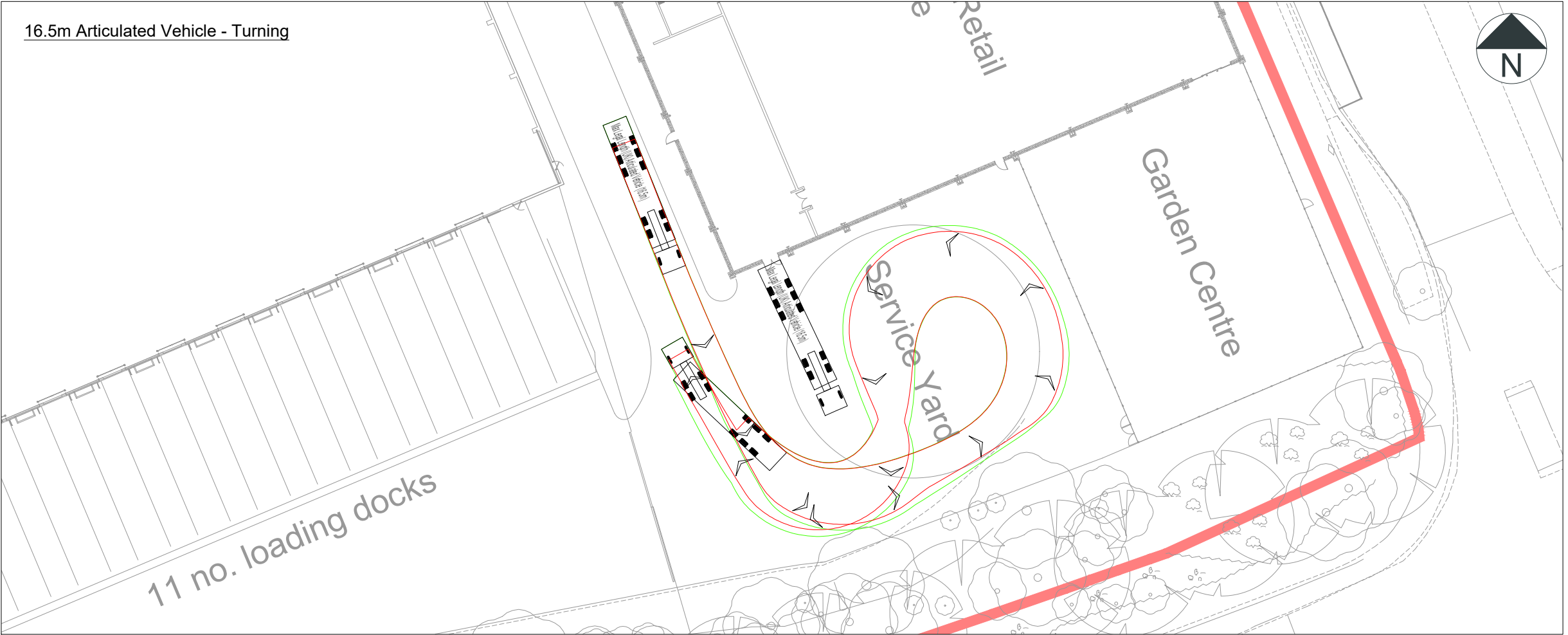
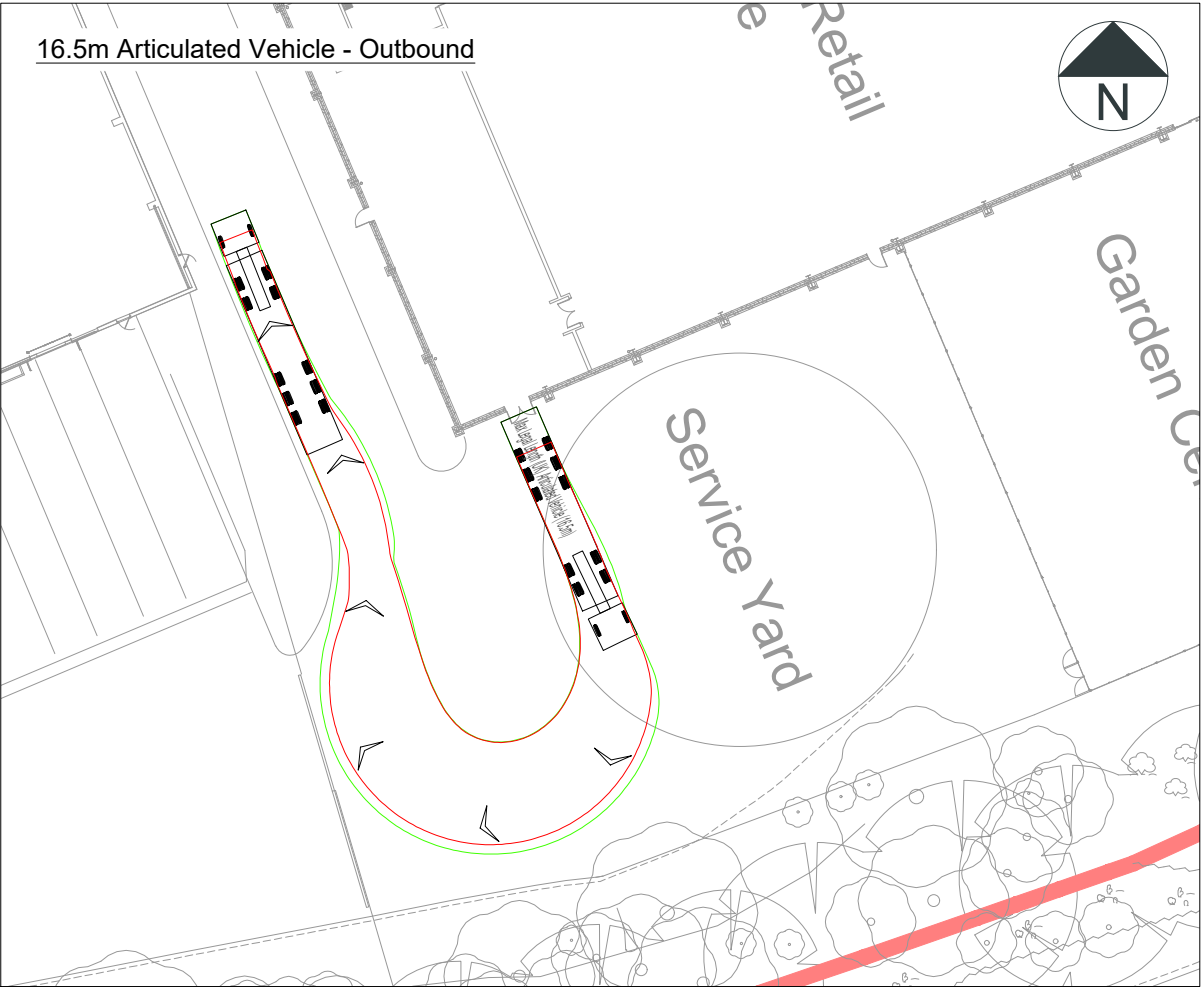
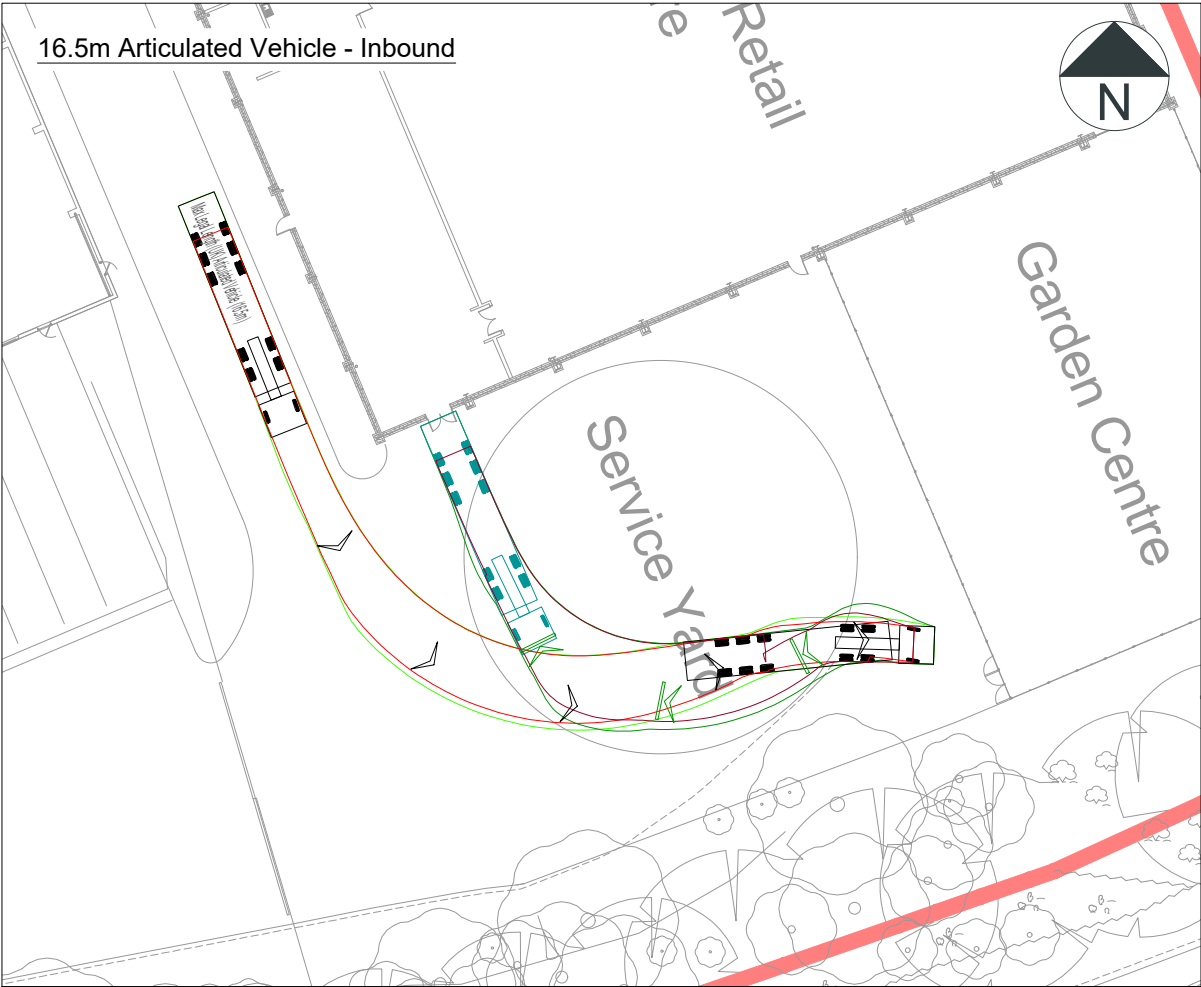
PROJECT:
Sovereign Park (Phase 2),
Huyton

TITLE:
Swept Path Analysis - 16.5m Articulated
Vehicle - Outbound Roads

SCALE @ A3: 1:1000	DATE: 19.09.23	DRAWN: FA	CHECKED: TS	APPROVED: TS
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STATUS:
INFORMATION

DRAWING NO: 230587-RAP-XX-XX-DR-TP-4101	REVISION: P01
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- Notes:
- Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 - This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 - Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

Key:

Indicative Site Boundary

Vehicle Profile

Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m

P01	09.10.23	Revised site layout	AS	TS
Rev	Date	Details	By	Chkd

rappor

CLIENT:
DAVOS Property Developments Ltd

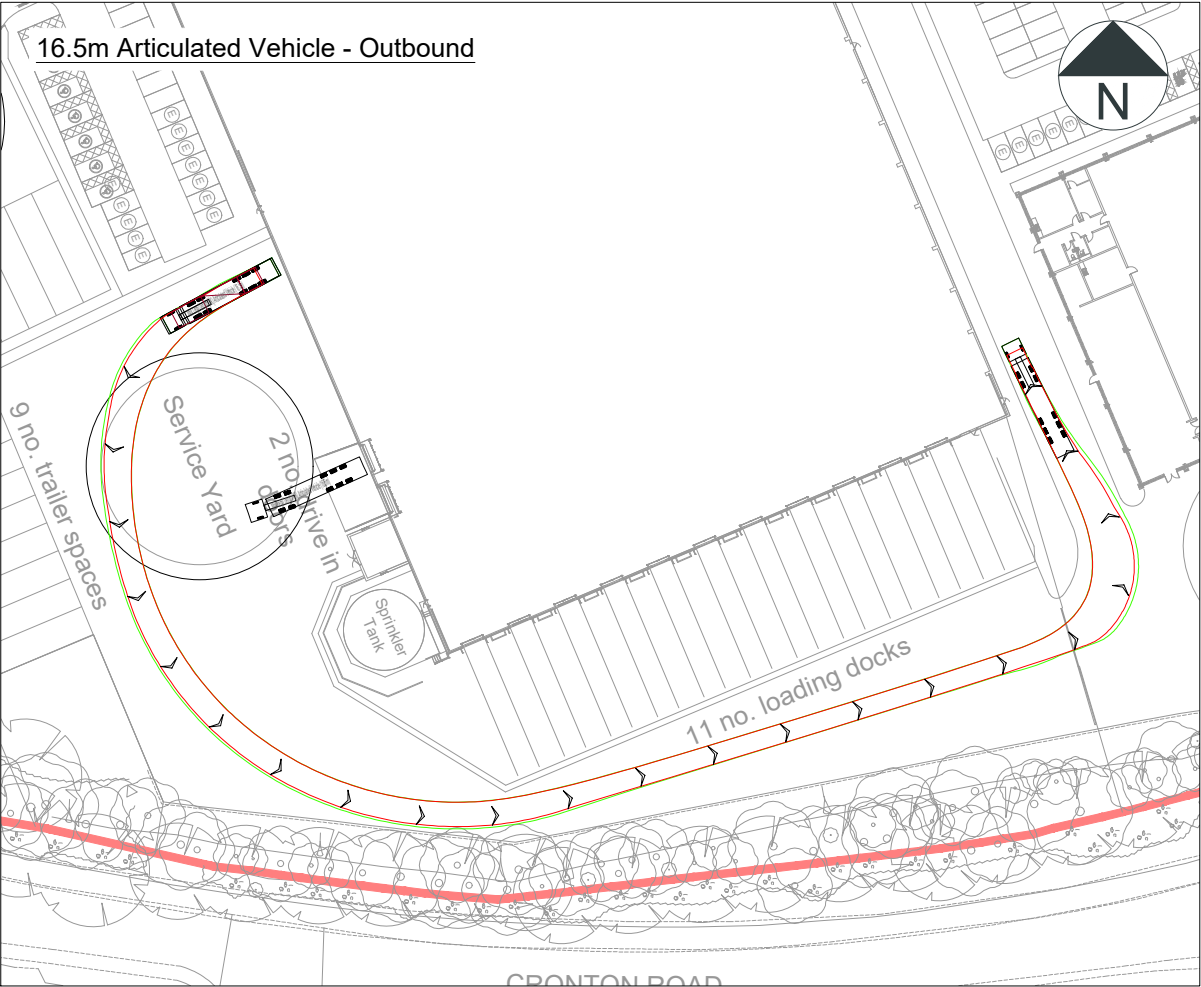
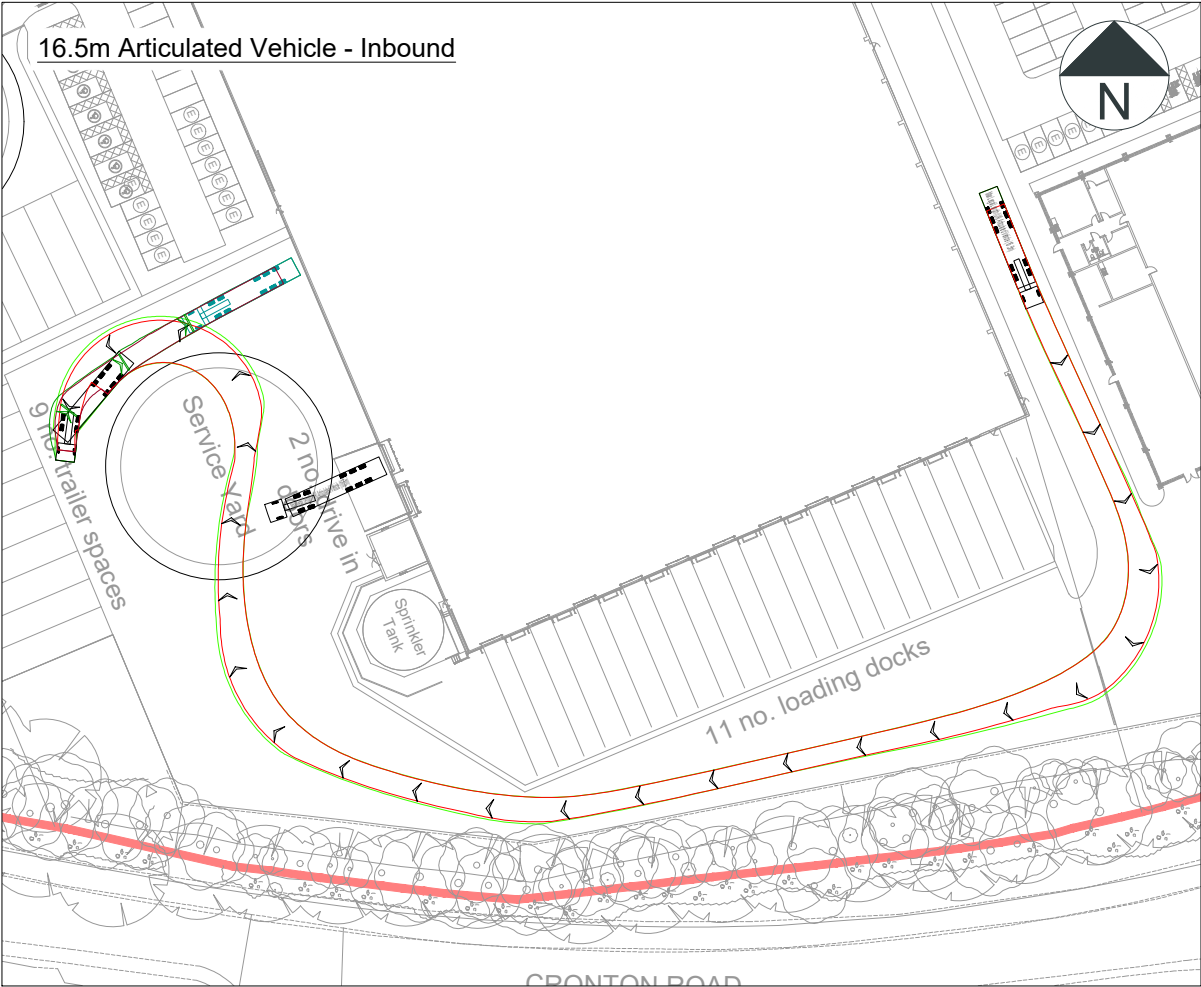
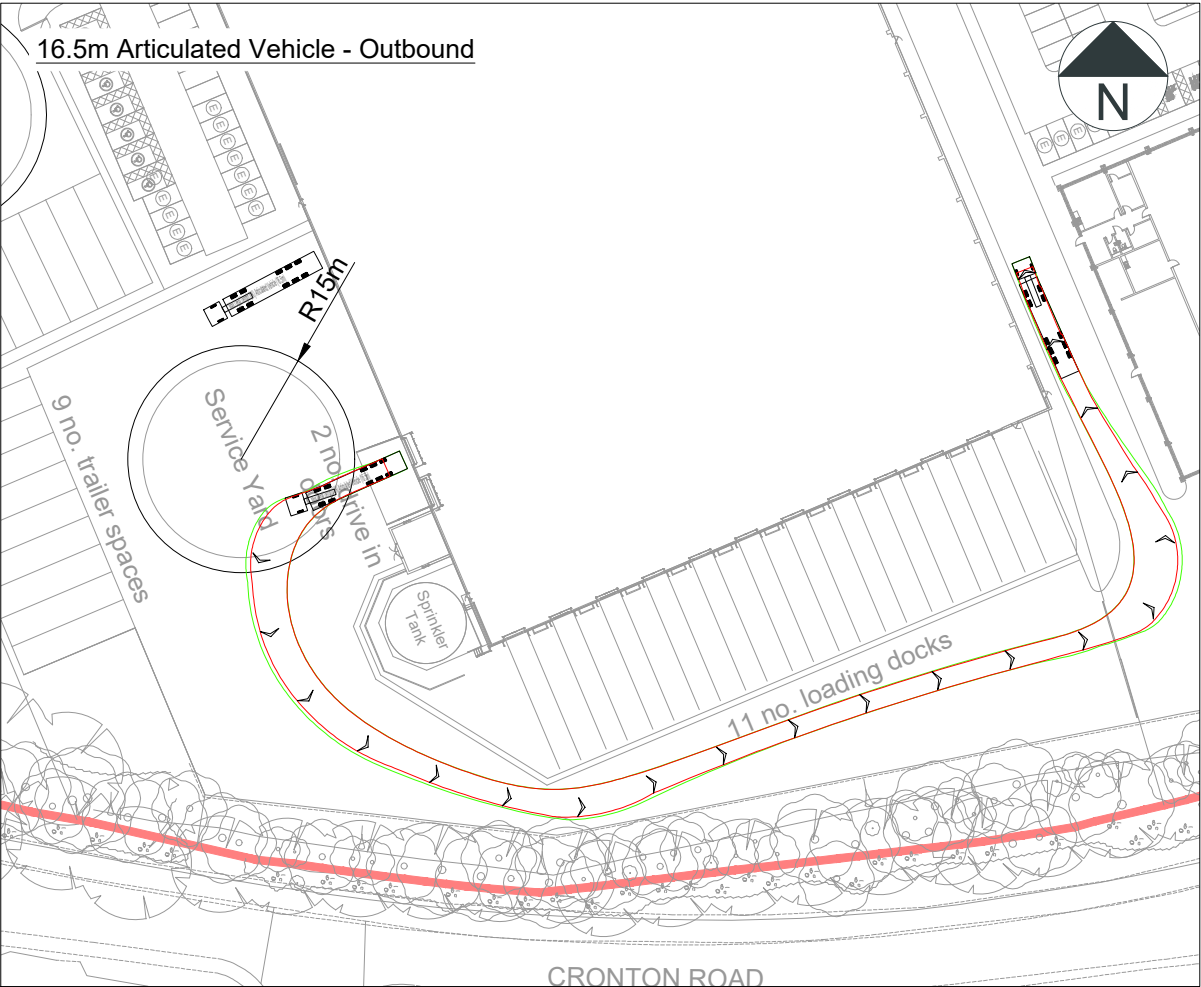
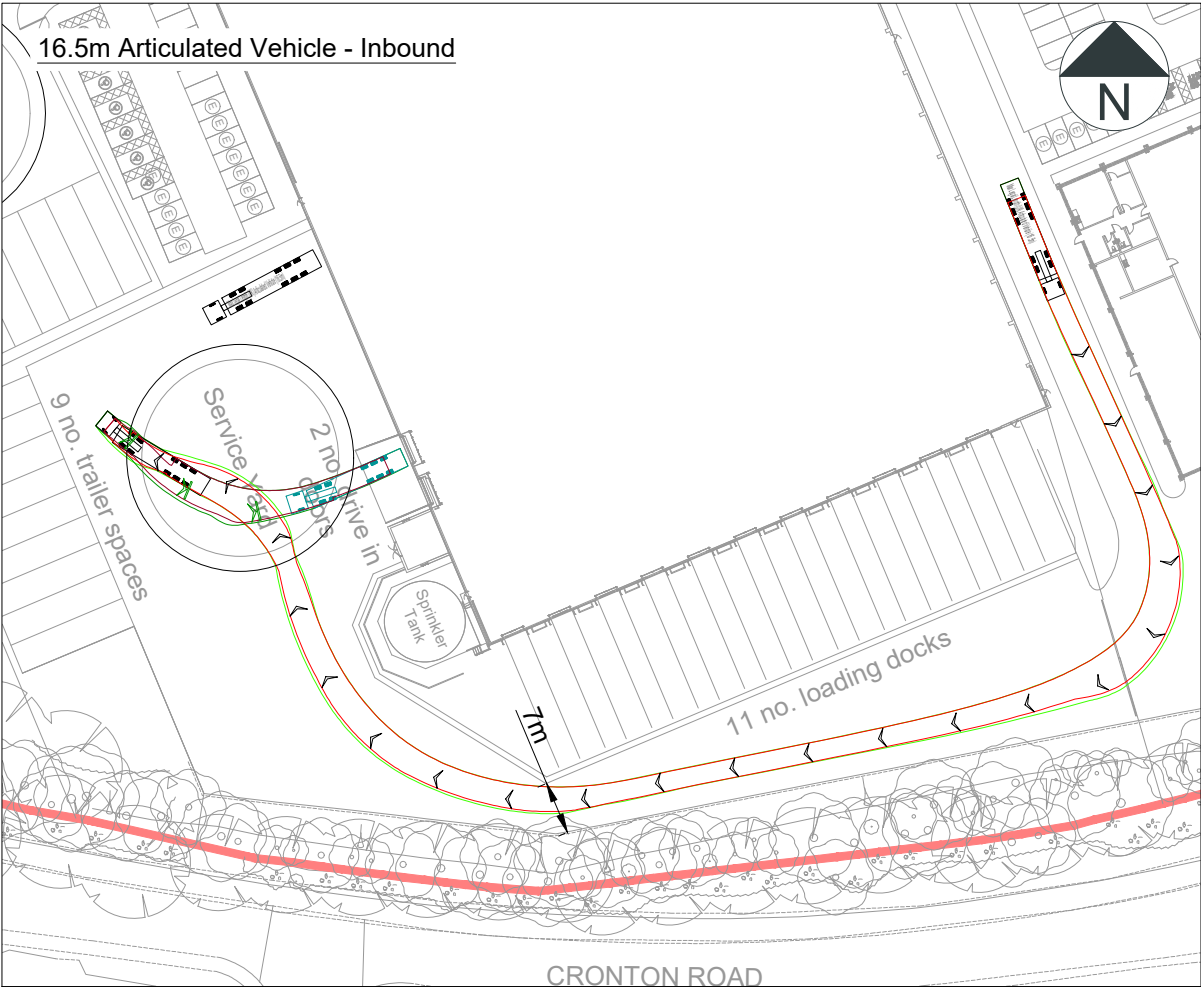
PROJECT:
Sovereign Park (Phase 2),
Huyton

TITLE:
Swept Path Analysis - 16.5m Articulated
Vehicle - Retail Store

SCALE @ A3: 1:500	DATE: 19.09.23	DRAWN: FA	CHECKED: TS	APPROVED: TS
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STATUS:
INFORMATION

DRAWING NO: 230587-RAP-XX-XX-DR-TP-4102	REVISION: P01
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- Notes:
1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 2. This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 3. Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

Key:

Indicative Site Boundary

Vehicle Profile

Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m

P01	09.10.23	Revised site layout	AS	TS
Rev	Date	Details	By	Chkd



CLIENT: DAVOS Property Developments Ltd

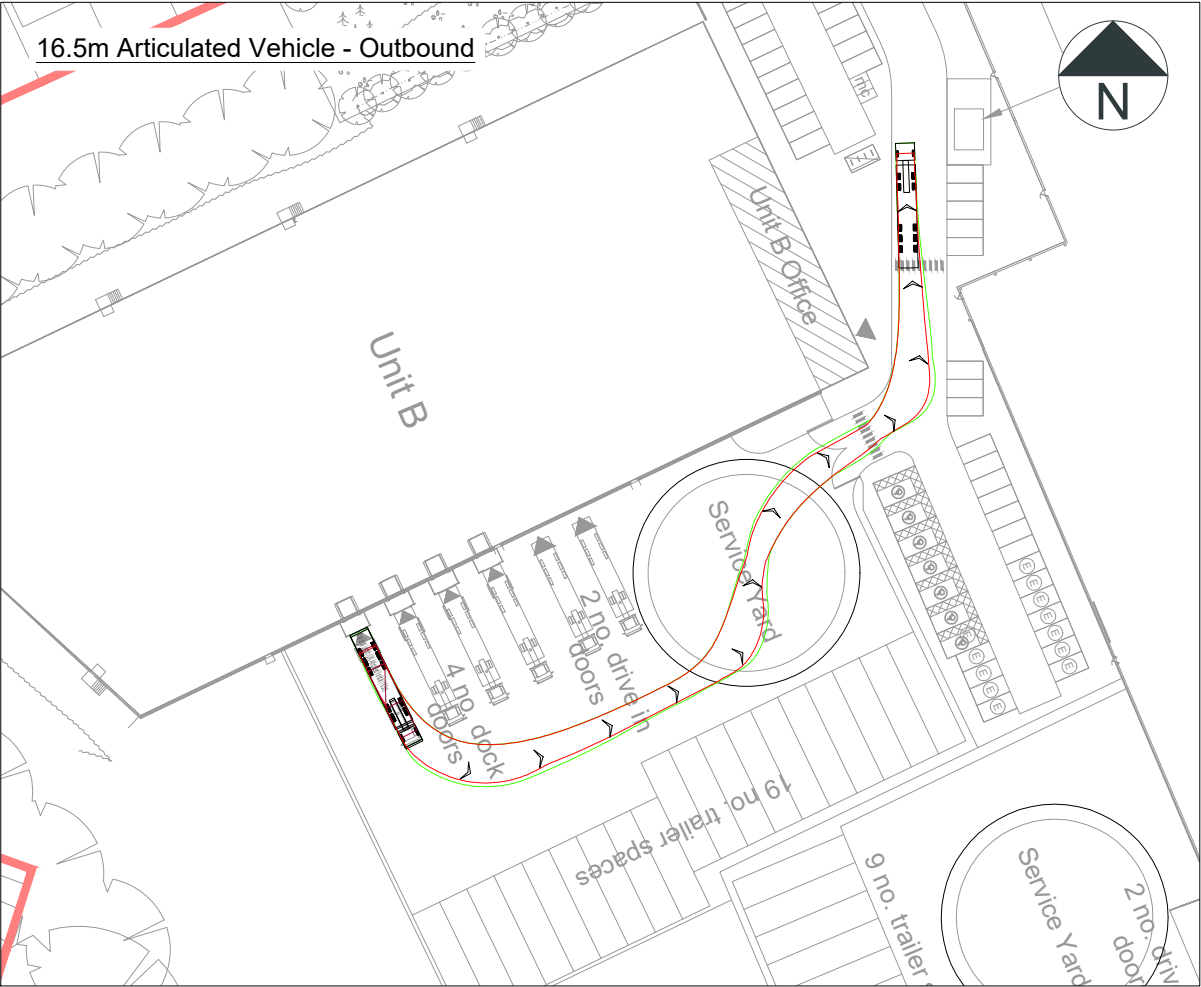
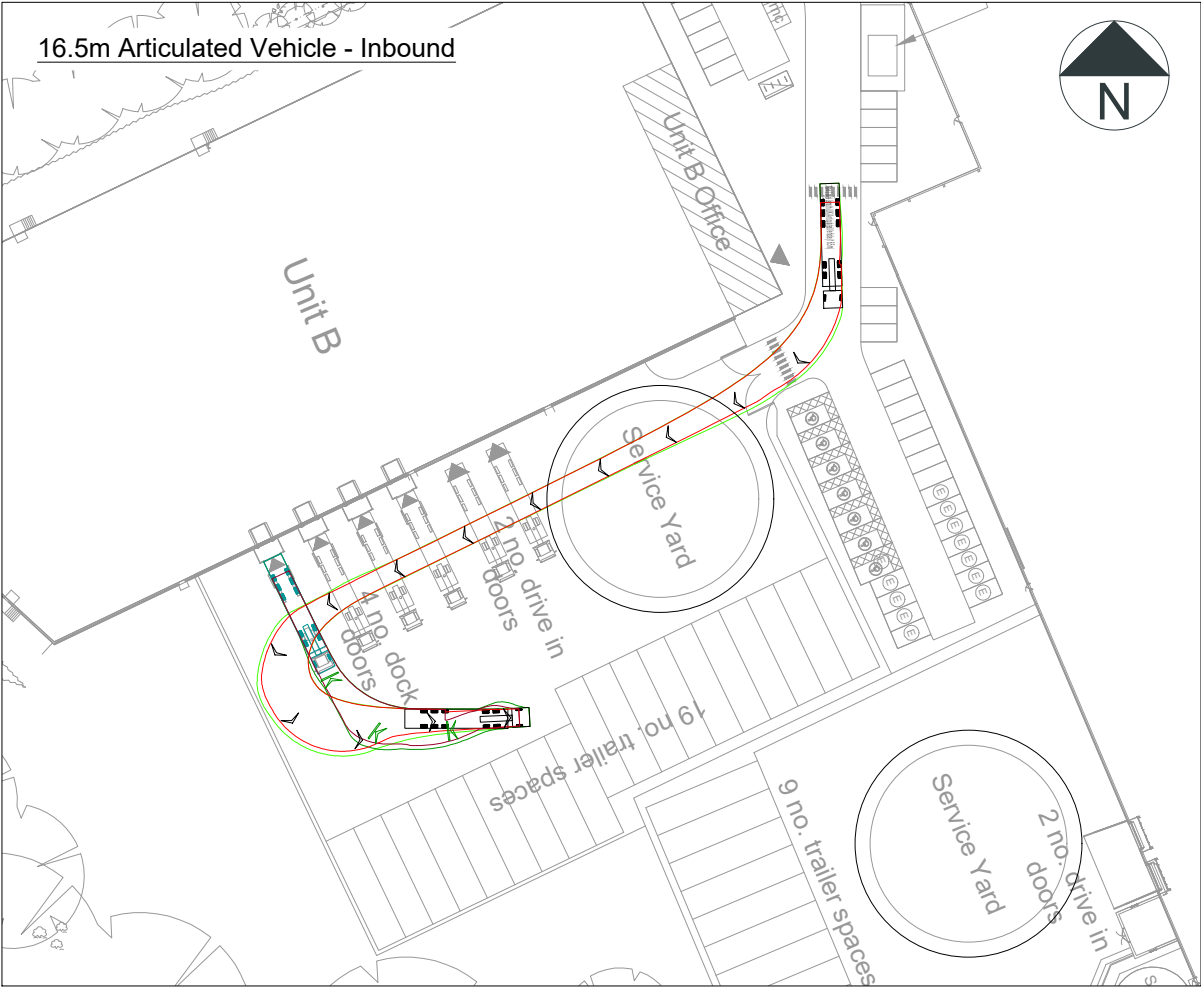
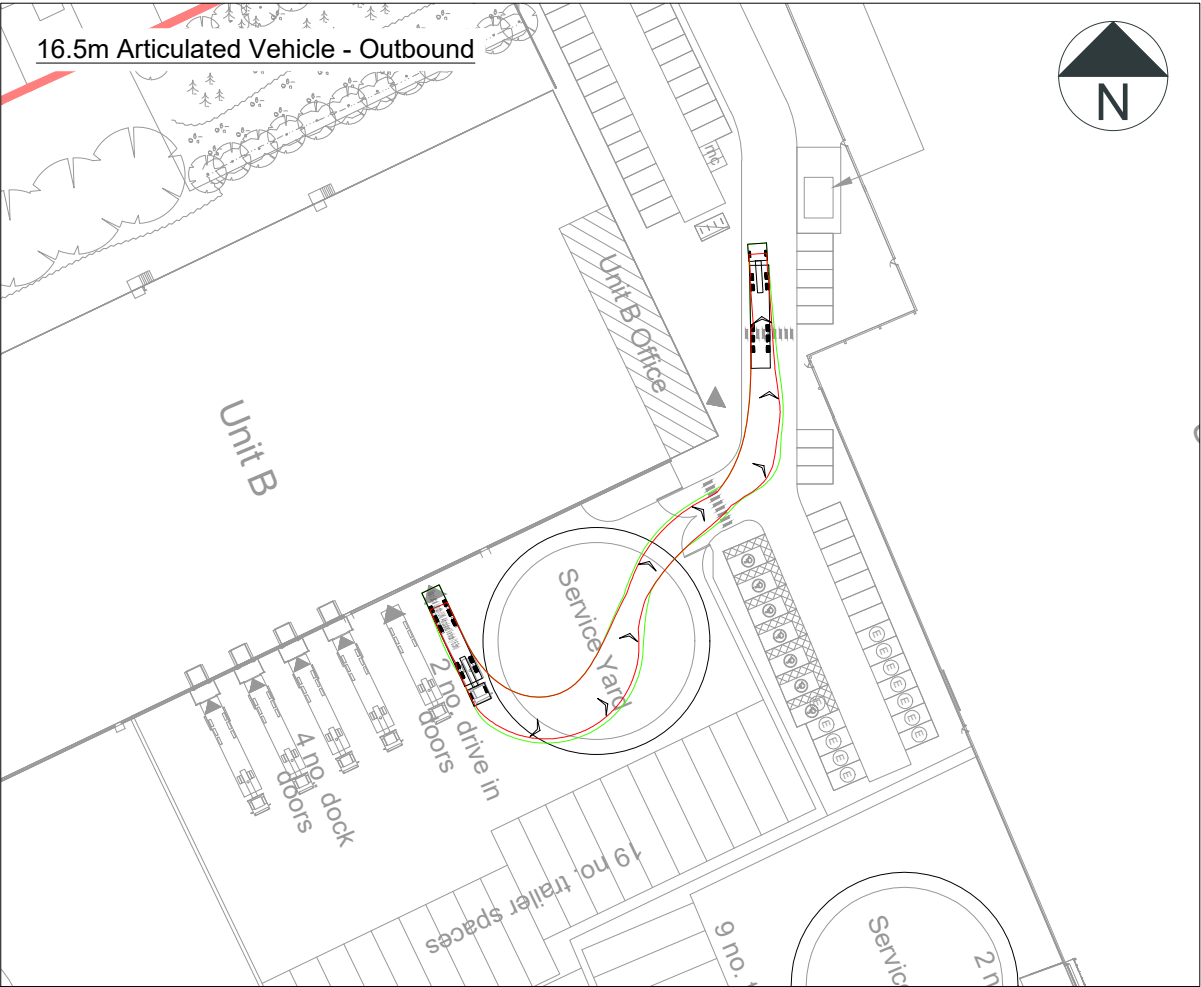
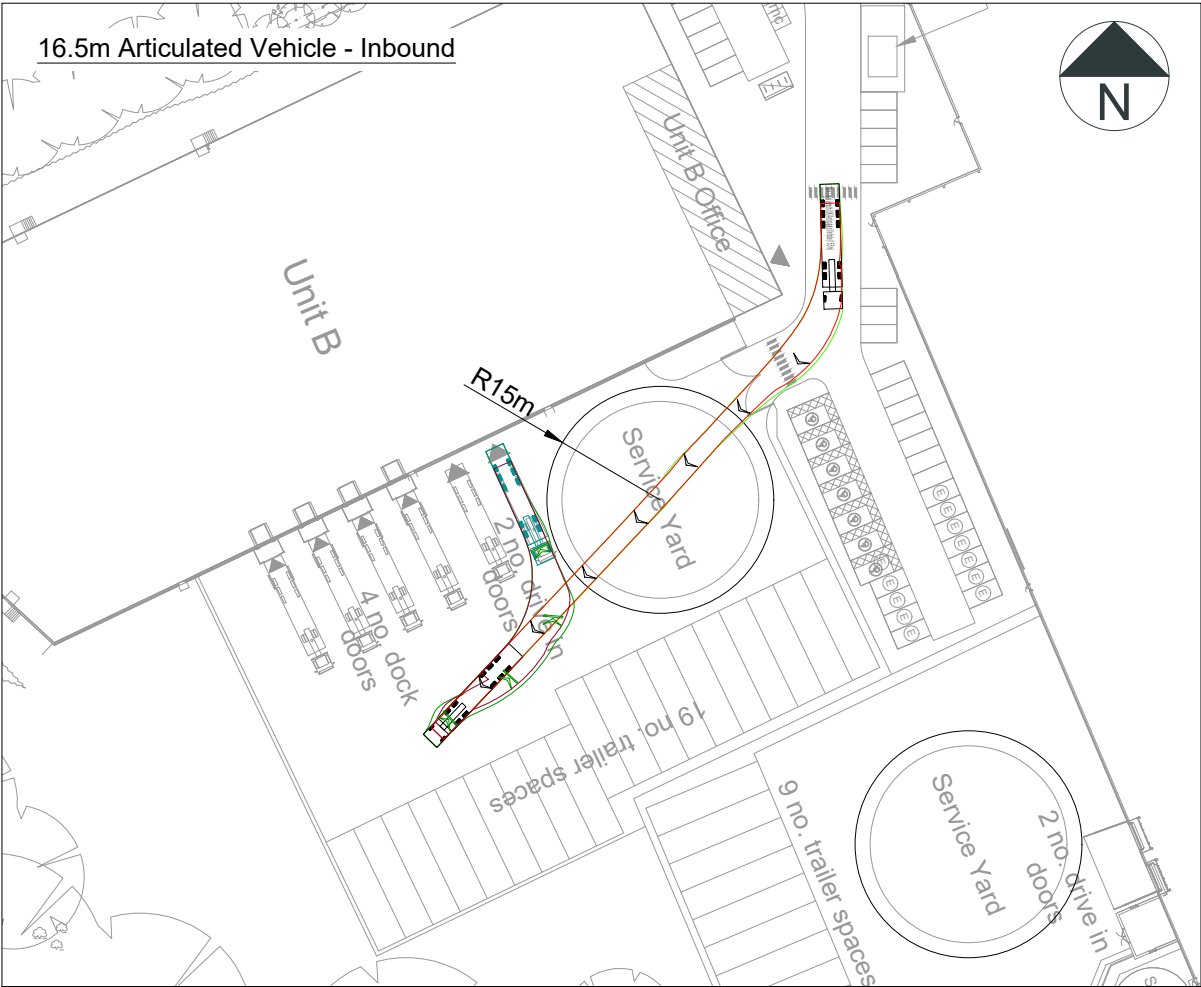
PROJECT: Sovereign Park (Phase 2), Huyton

TITLE: Swept Path Analysis - 16.5m Articulated Vehicle - Unit A

SCALE @ A3:	DATE:	DRAWN:	CHECKED:	APPROVED:
1:1000	19.09.23	FA	TS	TS

STATUS: INFORMATION

DRAWING NO:	REVISION:
230587-RAP-XX-XX-DR-TP-4103	P01



- Notes:**
1. Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 2. This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 3. Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

Key:

Indicative Site Boundary

Vehicle Profile

Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m

P01	09.10.23	Revised site layout	AS	TS
Rev	Date	Details	By	Chkd



CLIENT:
DAVOS Property Developments Ltd

PROJECT:
Sovereign Park (Phase 2),
Huyton

TITLE:
Swept Path Analysis - 16.5m Articulated
Vehicle - Unit D

SCALE @ A3: 1:1000	DATE: 19.09.23	DRAWN: FA	CHECKED: TS	APPROVED: TS
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STATUS:
INFORMATION

DRAWING NO: 230587-RAP-XX-XX-DR-TP-4104	REVISION: P01
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Appendix F – Forward Visibility Internal Access Route



- Notes:**
- Do not scale from this drawing. All dimensions are in metres, unless stated otherwise.
 - This drawing is based on the Architect's layout by AEW Architects, drawing number 13579-AEW-XX-XX-DR-A-0503-P03, and drawing date 28.09.2023.
 - Ordnance Survey, (c) Crown Copyright 2023. All rights reserved. Licence number 100022432.

Key:

	Indicative Site Boundary
	17m Forward Visibility Splay (15mph)

P01	09.10.23	Revised site layout	AS	TS
Rev	Date	Details	By	Chkd

CLIENT:
DAVOS Property Developments Ltd

PROJECT:
Sovereign Park (Phase 2), Huyton

TITLE:
Internal Visibility Splays

SCALE @ A3: 1:500	DATE: 19.09.23	DRAWN: FA	CHECKED: TS	APPROVED: TS
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STATUS: INFORMATION

DRAWING NO: 230587-RAP-XX-XX-DR-TP-3200	REVISION: P01
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Appendix G – TRICS Output Report – B2 / B8 Warehouse Use

Calculation Reference: AUDIT-701101-231005-1053

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : F - WAREHOUSING (COMMERCIAL)
TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BO BEDFORD	1 days
	EX ESSEX	1 days
	HC HAMPSHIRE	2 days
	MW MEDWAY	1 days
03	SOUTH WEST	
	TB TORBAY	1 days
04	EAST ANGLIA	
	SF SUFFOLK	1 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	BD BRADFORD	1 days
	DR DONCASTER	1 days
	KS KIRKLEES	1 days
09	NORTH	
	TW TYNE & WEAR	1 days
11	SCOTLAND	
	LO WEST Lothian	2 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 190 to 80100 (units: sqm)
 Range Selected by User: 190 to 80100 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 22/11/21

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

Selected survey days:

Monday	3 days
Tuesday	2 days
Thursday	4 days
Friday	5 days

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

Selected survey types:

Manual count	14 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town Centre	1
Suburban Area (PPS6 Out of Centre)	3
Edge of Town	10

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

Selected Location Sub Categories:

Industrial Zone	10
Commercial Zone	2
Residential Zone	1
Built-Up Zone	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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	2 days - Selected
Servicing vehicles Excluded	12 days - Selected

Secondary Filtering selection:Use Class:

n/a	2 days
B8	12 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Filter by Site Operations Breakdown:

All Surveys Included

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	4 days
10,001 to 15,000	3 days
15,001 to 20,000	2 days
20,001 to 25,000	1 days
25,001 to 50,000	2 days

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

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	2 days
50,001 to 75,000	1 days
125,001 to 250,000	7 days
250,001 to 500,000	2 days
500,001 or More	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	10 days

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

Travel Plan:

No	14 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	14 days
-----------------	---------

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

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

1	BD-02-F-01	DISTRIBUTION COMPANY	BRADFORD
	STAITHGATE LANE		
	BRADFORD		
	NEWHALL		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	10446 sqm	
	Survey date: THURSDAY	14/03/19	Survey Type: MANUAL
2	BO-02-F-01	DRINKS WHOLESALER	BEDFORD
	CAMBRIDGE ROAD		
	BEDFORD		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	3500 sqm	
	Survey date: THURSDAY	15/10/20	Survey Type: MANUAL
3	DR-02-F-01	TESCO DISTRIBUTION CENTRE	DONCASTER
	MIDDLE BANK		
	DONCASTER		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	80100 sqm	
	Survey date: TUESDAY	21/09/21	Survey Type: MANUAL
4	EX-02-F-01	SPORTS SUPPLEMENTS	ESSEX
	BRUNEL WAY		
	COLCHESTER		
	SEVERALLS INDUSTRIAL PK		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	6560 sqm	
	Survey date: FRIDAY	18/05/18	Survey Type: MANUAL
5	HC-02-F-02	LOGISTICS	HAMPSHIRE
	RUTHERFORD ROAD		
	BASINGSTOKE		
	Suburban Area (PPS6 Out of Centre)		
	Commercial Zone		
	Total Gross floor area:	13200 sqm	
	Survey date: THURSDAY	16/06/16	Survey Type: MANUAL
6	HC-02-F-03	PPE DISTRIBUTION	HAMPSHIRE
	WARSASH ROAD		
	PARK GATE		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	3665 sqm	
	Survey date: MONDAY	27/09/21	Survey Type: MANUAL
7	KS-02-F-01	ELECTRONICS DISTRIBUTION	KIRKLEES
	MORTIMER STREET		
	CLECKHEATON		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	1507 sqm	
	Survey date: MONDAY	19/09/16	Survey Type: MANUAL
8	LO-02-F-01	LOGISTICS SERVICE	WEST LOTHIAN
	BATHGATE ROAD		
	ARMADALE		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	5855 sqm	
	Survey date: TUESDAY	08/06/21	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	LO-02-F-02	HAULAGE COMPANY	WEST Lothian
	INCHMUIR ROAD		
	BATHGATE		
	WHITEHILL IND. ESTATE		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	17626 sqm	
	Survey date: THURSDAY	11/11/21	Survey Type: MANUAL
10	MW-02-F-02	COMMERCIAL WAREHOUSING	MEDWAY
	MILLS ROAD		
	AYLESFORD		
	QUARRY WOOD		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	11200 sqm	
	Survey date: FRIDAY	22/09/17	Survey Type: MANUAL
11	SF-02-F-03	ROAD HAULAGE	SUFFOLK
	CENTRAL AVENUE		
	IPSWICH		
	WARREN HEATH		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	4700 sqm	
	Survey date: FRIDAY	18/09/15	Survey Type: MANUAL
12	TB-02-F-01	OPTICS WAREHOUSE	TORBAY
	ALDERS WAY		
	PAIGNTON		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	190 sqm	
	Survey date: FRIDAY	29/03/19	Survey Type: MANUAL
13	TW-02-F-01	ASDA DISTRIBUTION CENTRE	TYNE & WEAR
	MANDARIN WAY		
	WASHINGTON		
	PATTISON IND. ESTATE		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	31000 sqm	
	Survey date: FRIDAY	13/11/15	Survey Type: MANUAL
14	WM-02-F-02	LOGISTICS FIRM	WEST MIDLANDS
	SOVEREIGN ROAD		
	BIRMINGHAM		
	KINGS NORTON		
	Edge of Town		
	Commercial Zone		
	Total Gross floor area:	3625 sqm	
	Survey date: MONDAY	09/11/15	Survey Type: MANUAL

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

TRIP RATE for Land Use 02 - EMPLOYMENT/F - WAREHOUSING (COMMERCIAL)

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	6	19620	0.142	6	19620	0.048	6	19620	0.190
06:00 - 07:00	6	19620	0.104	6	19620	0.116	6	19620	0.220
07:00 - 08:00	14	13798	0.134	14	13798	0.075	14	13798	0.209
08:00 - 09:00	14	13798	0.124	14	13798	0.080	14	13798	0.204
09:00 - 10:00	14	13798	0.112	14	13798	0.086	14	13798	0.198
10:00 - 11:00	14	13798	0.114	14	13798	0.108	14	13798	0.222
11:00 - 12:00	14	13798	0.113	14	13798	0.104	14	13798	0.217
12:00 - 13:00	14	13798	0.106	14	13798	0.115	14	13798	0.221
13:00 - 14:00	14	13798	0.123	14	13798	0.112	14	13798	0.235
14:00 - 15:00	14	13798	0.100	14	13798	0.135	14	13798	0.235
15:00 - 16:00	14	13798	0.105	14	13798	0.121	14	13798	0.226
16:00 - 17:00	14	13798	0.092	14	13798	0.122	14	13798	0.214
17:00 - 18:00	14	13798	0.090	14	13798	0.154	14	13798	0.244
18:00 - 19:00	13	14744	0.053	13	14744	0.109	13	14744	0.162
19:00 - 20:00	6	19620	0.036	6	19620	0.058	6	19620	0.094
20:00 - 21:00	5	20018	0.041	5	20018	0.047	5	20018	0.088
21:00 - 22:00	1	5855	0.034	1	5855	0.017	1	5855	0.051
22:00 - 23:00	1	5855	0.000	1	5855	0.000	1	5855	0.000
23:00 - 24:00									
Total Rates:			1.623			1.607			3.230

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:	190 - 80100 (units: sqm)
Survey date range:	01/01/15 - 22/11/21
Number of weekdays (Monday-Friday):	14
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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



Appendix H – TRICS Output Report – Existing Office Use

Calculation Reference: AUDIT-701101-231005-1015

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : A - OFFICE

TOTAL VEHICLESSelected regions and areas:

02	SOUTH EAST	
	BH BRIGHTON & HOVE	1 days
	SO SLOUGH	1 days
	WS WEST SUSSEX	2 days
03	SOUTH WEST	
	BC BOURNEMOUTH CHRISTCHURCH & POOLE	1 days
	WL WILTSHIRE	1 days
04	EAST ANGLIA	
	NF NORFOLK	4 days
	PB PETERBOROUGH	1 days
	SF SUFFOLK	1 days
05	EAST MIDLANDS	
	DY DERBY	1 days
	LE LEICESTERSHIRE	1 days
	NM WEST NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	WK WARWICKSHIRE	2 days
	WM WEST MIDLANDS	1 days
	WO WORCESTERSHIRE	2 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	AK WAKEFIELD	1 days
	NY NORTH YORKSHIRE	2 days
08	NORTH WEST	
	EC CHESHIRE EAST	1 days
	GM GREATER MANCHESTER	2 days
	MS MERSEYSIDE	1 days
09	NORTH	
	CU CUMBERLAND	1 days
	DA DARLINGTON	1 days
	TW TYNE & WEAR	1 days
10	WALES	
	BG BRIDGEND	1 days
	CP CAERPHILLY	1 days
	PS POWYS	1 days
11	SCOTLAND	
	DU DUNDEE CITY	1 days
	SR STIRLING	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 178 to 5945 (units: sqm)
 Range Selected by User: 118 to 6000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 24/05/23

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	6 days
Tuesday	10 days
Wednesday	8 days
Thursday	8 days
Friday	3 days

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

Selected survey types:

Manual count	35 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town Centre	16
Suburban Area (PPS6 Out of Centre)	7
Edge of Town	12

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

Selected Location Sub Categories:

Industrial Zone	7
Commercial Zone	6
Development Zone	2
Residential Zone	6
Built-Up Zone	7
No Sub Category	7

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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	16 days - Selected
Servicing vehicles Excluded	24 days - Selected

Secondary Filtering selection:Use Class:

Not Known	35 days
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This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Filter by Site Operations Breakdown:

All Surveys Included

Secondary Filtering selection (Cont.):Population within 500m Range:

All Surveys Included

Population within 1 mile:

1,001 to 5,000	3 days
5,001 to 10,000	3 days
10,001 to 15,000	6 days
15,001 to 20,000	8 days
20,001 to 25,000	5 days
25,001 to 50,000	10 days

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

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	4 days
50,001 to 75,000	2 days
75,001 to 100,000	3 days
100,001 to 125,000	5 days
125,001 to 250,000	11 days
250,001 to 500,000	6 days
500,001 or More	3 days

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

Car ownership within 5 miles:

0.6 to 1.0	23 days
1.1 to 1.5	11 days
1.6 to 2.0	1 days

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

Travel Plan:

No	35 days
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This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present	35 days
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This data displays the number of selected surveys with PTAL Ratings.

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

1	AK-02-A-01	OFFICES		WAKEFIELD
	PIONEER WAY			
	CASTLEFORD			
	WHITWOOD			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	1230 sqm		
	Survey date: TUESDAY	23/05/17		Survey Type: MANUAL
2	BC-02-A-08	OFFICES		BOURNEMOUTH CHRISTCHURCH & POOLE
	HOLDENHURST ROAD			
	BOURNEMOUTH			
	Edge of Town Centre			
	Built-Up Zone			
	Total Gross floor area:	2600 sqm		
	Survey date: WEDNESDAY	14/09/22		Survey Type: MANUAL
3	BG-02-A-01	HAULAGE COMPANY		BRIDGEND
	KENT ROAD			
	BRIDGEND			
	Suburban Area (PPS6 Out of Centre)			
	Industrial Zone			
	Total Gross floor area:	300 sqm		
	Survey date: THURSDAY	06/05/21		Survey Type: MANUAL
4	BH-02-A-05	OFFICES		BRIGHTON & HOVE
	ROMAN ROAD			
	HOVE			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	280 sqm		
	Survey date: WEDNESDAY	04/07/18		Survey Type: MANUAL
5	CP-02-A-02	INSURANCE COMPANY		CAERPHILLY
	SIR ALFRED OWEN WAY			
	CAERPHILLY			
	Suburban Area (PPS6 Out of Centre)			
	Industrial Zone			
	Total Gross floor area:	1824 sqm		
	Survey date: THURSDAY	13/10/22		Survey Type: MANUAL
6	CU-02-A-02	OFFICE		CUMBERLAND
	PORT ROAD			
	CARLISLE			
	Edge of Town Centre			
	Industrial Zone			
	Total Gross floor area:	925 sqm		
	Survey date: FRIDAY	24/06/16		Survey Type: MANUAL
7	DA-02-A-02	ENGINEERING COMPANY		DARLINGTON
	ALDERMAN BEST WAY			
	DARLINGTON			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	3530 sqm		
	Survey date: THURSDAY	18/10/18		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	DU-02-A-01 GREENMARKET DUNDEE	OFFICES		DUNDEE CITY
	Edge of Town Centre Development Zone Total Gross floor area:		3200 sqm	
	Survey date: THURSDAY		27/04/17	Survey Type: MANUAL
9	DY-02-A-02 PRIME PARKWAY DERBY	REAL ESTATE DEVELOPERS		DERBY
	Edge of Town Centre No Sub Category Total Gross floor area:		594 sqm	
	Survey date: THURSDAY		21/10/21	Survey Type: MANUAL
10	EC-02-A-04 WINTERTON WAY MACCLESFIELD LYME GREEN BUSINESS PK Edge of Town Commercial Zone Total Gross floor area:	OFFICES	3000 sqm	CHESHIRE EAST
	Survey date: TUESDAY		04/05/21	Survey Type: MANUAL
11	GM-02-A-09 NEW MOUNT STREET MANCHESTER	LEASED OFFICES		GREATER MANCHESTER
	Edge of Town Centre Built-Up Zone Total Gross floor area:		2500 sqm	
	Survey date: MONDAY		26/09/16	Survey Type: MANUAL
12	GM-02-A-10 CHORLEY NEW ROAD BOLTON HEATON Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area:	ACCOUNTANTS	500 sqm	GREATER MANCHESTER
	Survey date: MONDAY		19/04/21	Survey Type: MANUAL
13	LE-02-A-04 BURTON STREET MELTON MOWBRAY	COUNCIL OFFICES		LEICESTERSHIRE
	Edge of Town Centre Built-Up Zone Total Gross floor area:		3981 sqm	
	Survey date: WEDNESDAY		30/11/16	Survey Type: MANUAL
14	MS-02-A-03 ALDERMAN ROAD LIVERPOOL	HOMES DEVELOPER		MERSEYSIDE
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area:		1200 sqm	
	Survey date: TUESDAY		20/04/21	Survey Type: MANUAL
15	NF-02-A-02 NORTH QUAY GREAT YARMOUTH	FINANCIAL PLANNERS		NORFOLK
	Edge of Town Centre Commercial Zone Total Gross floor area:		894 sqm	
	Survey date: MONDAY		11/09/17	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

16	NF-02-A-03	OFFICES		NORFOLK
	NORTH QUAY			
	GREAT YARMOUTH			
	Edge of Town Centre			
	Commercial Zone			
	Total Gross floor area:	5500 sqm		
	Survey date: TUESDAY	12/09/17		Survey Type: MANUAL
17	NF-02-A-04	BUILDING CONSULTANT		NORFOLK
	WHITING ROAD			
	NORWICH			
	Edge of Town			
	Commercial Zone			
	Total Gross floor area:	500 sqm		
	Survey date: WEDNESDAY	13/11/19		Survey Type: MANUAL
18	NF-02-A-05	COUNCIL OFFICES		NORFOLK
	YARMOUTH ROAD			
	NORWICH			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	3697 sqm		
	Survey date: MONDAY	12/09/22		Survey Type: MANUAL
19	NM-02-A-01	OFFICES		WEST NORTHAMPTONSHIRE
	THE LAKES			
	NORTHAMPTON			
	Edge of Town			
	Commercial Zone			
	Total Gross floor area:	9225 sqm		
	Survey date: THURSDAY	22/10/20		Survey Type: MANUAL
20	NY-02-A-01	SOLICITORS		NORTH YORKSHIRE
	NORTH PARK ROAD			
	HARROGATE			
	Edge of Town Centre			
	Built-Up Zone			
	Total Gross floor area:	178 sqm		
	Survey date: THURSDAY	04/10/18		Survey Type: MANUAL
21	NY-02-A-03	DISTRICT COUNCIL OFFICES		NORTH YORKSHIRE
	STATION ROAD			
	RICHMOND			
	Edge of Town Centre			
	No Sub Category			
	Total Gross floor area:	1590 sqm		
	Survey date: FRIDAY	06/05/22		Survey Type: MANUAL
22	PB-02-A-04	OFFICES		PETERBOROUGH
	LYNCH WOOD			
	PETERBOROUGH			
	Edge of Town			
	Commercial Zone			
	Total Gross floor area:	4040 sqm		
	Survey date: WEDNESDAY	19/10/16		Survey Type: MANUAL
23	PS-02-A-01	COUNCIL OFFICES		POWYS
	SEVERN ROAD			
	WELSHPOOL			
	Edge of Town Centre			
	No Sub Category			
	Total Gross floor area:	3920 sqm		
	Survey date: TUESDAY	12/05/15		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

24	SF-02-A-03	OFFICES	SUFFOLK
	WHITE HOUSE ROAD IPSWICH		
	Edge of Town Industrial Zone Total Gross floor area: 2800 sqm Survey date: THURSDAY 24/09/20		Survey Type: MANUAL
25	SO-02-A-04	DATA CENTRE	SLOUGH
	LIVERPOOL ROAD SLOUGH		
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area: 5677 sqm Survey date: WEDNESDAY 24/05/23		Survey Type: MANUAL
26	SR-02-A-02	SERVICED OFFICES	STIRLING
	WELLGREEN ROAD STIRLING		
	Edge of Town Centre Built-Up Zone Total Gross floor area: 2150 sqm Survey date: TUESDAY 08/09/20		Survey Type: MANUAL
27	TW-02-A-08	HOUSING ASSOCIATION OFFICE	TYNE & WEAR
	BENTON PARK ROAD NEWCASTLE UPON TYNE LONGBENTON Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 4800 sqm Survey date: FRIDAY 19/10/18		Survey Type: MANUAL
28	WK-02-A-02	OFFICES	WARWICKSHIRE
	WHITEHALL ROAD RUGBY		
	Edge of Town Centre Residential Zone Total Gross floor area: 540 sqm Survey date: MONDAY 14/11/22		Survey Type: MANUAL
29	WK-02-A-03	ENGINEERING CONSULTANTS	WARWICKSHIRE
	BUDBROOKE ROAD WARWICK		
	Edge of Town Industrial Zone Total Gross floor area: 796 sqm Survey date: WEDNESDAY 23/11/22		Survey Type: MANUAL
30	WL-02-A-01	PET INSURANCE COMPANY	WILTSHIRE
	THE CRESCENT AMESBURY SUNRISE WAY Edge of Town Development Zone Total Gross floor area: 2500 sqm Survey date: TUESDAY 18/09/18		Survey Type: MANUAL
31	WM-02-A-04	OFFICE	WEST MIDLANDS
	BOURNVILLE LANE BIRMINGHAM		
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 1800 sqm Survey date: TUESDAY 10/11/15		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

32	WO-02-A-02	OFFICE	WORCESTERSHIRE
	MOOR STREET		
	WORCESTER		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	2000 sqm	
	Survey date: MONDAY	14/11/16	Survey Type: MANUAL
33	WO-02-A-03	IT SERVICES	WORCESTERSHIRE
	STOURPORT ROAD		
	KIDDERMINSTER		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	5945 sqm	
	Survey date: TUESDAY	13/10/20	Survey Type: MANUAL
34	WS-02-A-05	SOCIAL HOUSING COMPANY	WEST SUSSEX
	NORTH STREET		
	WORTHING		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	830 sqm	
	Survey date: TUESDAY	17/05/22	Survey Type: MANUAL
35	WS-02-A-06	SOUTHERN WATER OFFICES	WEST SUSSEX
	YEOMAN ROAD		
	WORTHING		
	Edge of Town		
	No Sub Category		
	Total Gross floor area:	5700 sqm	
	Survey date: WEDNESDAY	18/05/22	Survey Type: MANUAL

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

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
01:00 - 02:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
02:00 - 03:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
03:00 - 04:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
04:00 - 05:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
05:00 - 06:00	1	5677	0.018	1	5677	0.000	1	5677	0.018
06:00 - 07:00	1	5677	0.070	1	5677	0.035	1	5677	0.105
07:00 - 08:00	33	2307	0.514	33	2307	0.056	33	2307	0.570
08:00 - 09:00	35	2350	1.276	35	2350	0.147	35	2350	1.423
09:00 - 10:00	35	2350	0.727	35	2350	0.198	35	2350	0.925
10:00 - 11:00	35	2350	0.272	35	2350	0.181	35	2350	0.453
11:00 - 12:00	35	2350	0.197	35	2350	0.173	35	2350	0.370
12:00 - 13:00	35	2350	0.266	35	2350	0.434	35	2350	0.700
13:00 - 14:00	35	2350	0.349	35	2350	0.322	35	2350	0.671
14:00 - 15:00	35	2350	0.219	35	2350	0.288	35	2350	0.507
15:00 - 16:00	35	2350	0.143	35	2350	0.334	35	2350	0.477
16:00 - 17:00	35	2350	0.165	35	2350	0.666	35	2350	0.831
17:00 - 18:00	35	2350	0.091	35	2350	1.090	35	2350	1.181
18:00 - 19:00	33	2450	0.049	33	2450	0.340	33	2450	0.389
19:00 - 20:00	2	3749	0.013	2	3749	0.013	2	3749	0.026
20:00 - 21:00	2	3749	0.000	2	3749	0.013	2	3749	0.013
21:00 - 22:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
22:00 - 23:00	1	5677	0.035	1	5677	0.053	1	5677	0.088
23:00 - 24:00	1	5677	0.000	1	5677	0.000	1	5677	0.000
Total Rates:			4.404			4.343			8.747

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:	178 - 5945 (units: sqm)
Survey date range:	01/01/15 - 24/05/23
Number of weekdays (Monday-Friday):	35
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	2
Surveys manually removed from selection:	0

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



Appendix I – TRICS Output Report – Proposed Non-Food Retail

Calculation Reference: AUDIT-701101-231005-1049

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
Category : G - OTHER INDIVIDUAL NON-FOOD SUPERSTORE
TOTAL VEHICLES

Selected regions and areas:

05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	LS LEEDS	1 days
08	NORTH WEST	
	LC LANCASHIRE	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 1140 to 4100 (units: sqm)
 Range Selected by User: 290 to 26500 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 18/09/21

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

Selected survey days:

Tuesday 2 days
 Thursday 1 days

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

Selected survey types:

Manual count 3 days
 Directional ATC Count 0 days

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

Selected Locations:

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

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

Selected Location Sub Categories:

Industrial Zone 1
 Retail Zone 2

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

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included 1 days - Selected
 Servicing vehicles Excluded 2 days - Selected

Secondary Filtering selection:Use Class:

E(a) 3 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):Population within 1 mile:

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:

125,001 to 250,000	2 days
500,001 or More	1 days

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

Car ownership within 5 miles:

0.5 or Less	2 days
0.6 to 1.0	1 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.

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	3 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

No	3 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	3 days
-----------------	--------

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

LIST OF SITES relevant to selection parameters

1	LC-01-G-01	CURRYS PC WORLD	LANCASHIRE
	BLACKPOOL ROAD		
	PRESTON		
	RIBBLETON		
	Suburban Area (PPS6 Out of Centre)		
	Retail Zone		
	Total Gross floor area:	4100 sqm	
	Survey date: TUESDAY	06/11/18	Survey Type: MANUAL
2	LN-01-G-01	PETS AT HOME	LINCOLNSHIRE
	TRITTON ROAD		
	LINCOLN		
	TRITTON RETAIL PARK		
	Edge of Town Centre		
	Retail Zone		
	Total Gross floor area:	1600 sqm	
	Survey date: TUESDAY	31/10/17	Survey Type: MANUAL
3	LS-01-G-01	SUPA SOFA	LEEDS
	CLARENCE ROAD		
	LEEDS		
	HUNSLET		
	Suburban Area (PPS6 Out of Centre)		
	Industrial Zone		
	Total Gross floor area:	1140 sqm	
	Survey date: THURSDAY	14/03/19	Survey Type: MANUAL

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

TRIP RATE for Land Use 01 - RETAIL/G - OTHER INDIVIDUAL NON-FOOD SUPERSTORE

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	1	4100	0.073	1	4100	0.000	1	4100	0.073
08:00 - 09:00	3	2280	0.117	3	2280	0.015	3	2280	0.132
09:00 - 10:00	3	2280	0.687	3	2280	0.365	3	2280	1.052
10:00 - 11:00	3	2280	0.892	3	2280	0.512	3	2280	1.404
11:00 - 12:00	3	2280	0.921	3	2280	0.950	3	2280	1.871
12:00 - 13:00	3	2280	0.731	3	2280	0.731	3	2280	1.462
13:00 - 14:00	3	2280	0.833	3	2280	0.892	3	2280	1.725
14:00 - 15:00	3	2280	0.760	3	2280	0.687	3	2280	1.447
15:00 - 16:00	3	2280	0.526	3	2280	0.526	3	2280	1.052
16:00 - 17:00	3	2280	0.789	3	2280	0.702	3	2280	1.491
17:00 - 18:00	3	2280	0.599	3	2280	0.673	3	2280	1.272
18:00 - 19:00	3	2280	0.760	3	2280	1.067	3	2280	1.827
19:00 - 20:00	2	2850	0.596	2	2850	0.895	2	2850	1.491
20:00 - 21:00	2	2850	0.000	2	2850	0.316	2	2850	0.316
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			8.284			8.331			16.615

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:

1140 - 4100 (units: sqm)

Survey date date range:

01/01/15 - 18/09/21

Number of weekdays (Monday-Friday):

3

Number of Saturdays:

0

Number of Sundays:

0

Surveys automatically removed from selection:

0

Surveys manually removed from selection:

0

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

Calculation Reference: AUDIT-701101-231005-1039

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
Category : G - OTHER INDIVIDUAL NON-FOOD SUPERSTORE
TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	KC KENT	1 days
03	SOUTH WEST	
	DC DORSET	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	DR DONCASTER	1 days
	KS KIRKLEES	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 470 to 4755 (units: sqm)
 Range Selected by User: 290 to 26500 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 18/09/21

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:

Saturday 4 days

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

Selected survey types:

Manual count 4 days
 Directional ATC Count 0 days

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

Selected Locations:

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

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:

Retail Zone 2
 Built-Up Zone 2

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

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included X days - Selected
 Servicing vehicles Excluded 4 days - Selected

Secondary Filtering selection:Use Class:

E(a) 4 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):Population within 1 mile:

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

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

Population within 5 miles:

25,001 to 50,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	1 days

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

Car ownership within 5 miles:

0.6 to 1.0	1 days
1.1 to 1.5	3 days

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

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	4 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

No	4 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	4 days
-----------------	--------

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

LIST OF SITES relevant to selection parameters

1	DC-01-G-02	THE RANGE	DORSET
	GREAT WESTERN ROAD DORCHESTER		
	Edge of Town Centre Built-Up Zone		
	Total Gross floor area:	2100 sqm	
	Survey date: SATURDAY	17/09/16	Survey Type: MANUAL
2	DR-01-G-01	NEXT OUTLET	DONCASTER
	WHITE ROSE WAY DONCASTER		
	Suburban Area (PPS6 Out of Centre) Retail Zone		
	Total Gross floor area:	1516 sqm	
	Survey date: SATURDAY	18/09/21	Survey Type: MANUAL
3	KC-01-G-04	MAJESTIC WINE	KENT
	LONDON ROAD MAIDSTONE ROCKY HILL		
	Edge of Town Centre Built-Up Zone		
	Total Gross floor area:	470 sqm	
	Survey date: SATURDAY	12/05/18	Survey Type: MANUAL
4	KS-01-G-01	CURRYS PC WORLD	KIRKLEES
	HOLDEN ING WAY BATLEY BIRSTALL		
	Edge of Town Retail Zone		
	Total Gross floor area:	4755 sqm	
	Survey date: SATURDAY	20/10/18	Survey Type: MANUAL

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

TRIP RATE for Land Use 01 - RETAIL/G - OTHER INDIVIDUAL NON-FOOD SUPERSTORE
TOTAL VEHICLES
Calculation factor: 100 sqm
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	1	2100	0.095	1	2100	0.000	1	2100	0.095
08:00 - 09:00	3	2442	0.560	3	2442	0.259	3	2442	0.819
09:00 - 10:00	4	2210	1.369	4	2210	0.939	4	2210	2.308
10:00 - 11:00	4	2210	2.194	4	2210	1.708	4	2210	3.902
11:00 - 12:00	4	2210	2.658	4	2210	2.285	4	2210	4.943
12:00 - 13:00	4	2210	2.647	4	2210	2.681	4	2210	5.328
13:00 - 14:00	4	2210	3.359	4	2210	3.325	4	2210	6.684
14:00 - 15:00	4	2210	3.495	4	2210	3.484	4	2210	6.979
15:00 - 16:00	4	2210	2.749	4	2210	3.178	4	2210	5.927
16:00 - 17:00	4	2210	2.025	4	2210	2.319	4	2210	4.344
17:00 - 18:00	4	2210	1.391	4	2210	1.832	4	2210	3.223
18:00 - 19:00	4	2210	0.599	4	2210	0.780	4	2210	1.379
19:00 - 20:00	2	1285	0.739	2	1285	0.895	2	1285	1.634
20:00 - 21:00	1	2100	0.571	1	2100	0.667	1	2100	1.238
21:00 - 22:00	1	2100	0.000	1	2100	0.286	1	2100	0.286
22:00 - 23:00									
23:00 - 24:00									
Total Rates:	24.451			24.638			49.089		

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:
 470 - 4755 (units: sqm)

Survey date date range:
 01/01/15 - 18/09/21

Number of weekdays (Monday-Friday):
 0

Number of Saturdays:
 4

Number of Sundays:
 0

Surveys automatically removed from selection:
 0

Surveys manually removed from selection:
 0

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



Appendix J – TRICS Output Report – Proposed Discount Food Retail

Calculation Reference: AUDIT-701101-231005-1030

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
Category : C - DISCOUNT FOOD STORES
TOTAL VEHICLES

Selected regions and areas:

03	SOUTH WEST	
	SM SOMERSET	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
	NN NORTH NORTHAMPTONSHIRE	3 days
06	WEST MIDLANDS	
	WO WORCESTERSHIRE	2 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	NY NORTH YORKSHIRE	1 days
08	NORTH WEST	
	GT WARRINGTON	1 days
09	NORTH	
	DH DURHAM	1 days
	TW TYNE & WEAR	1 days
10	WALES	
	CF CARDIFF	1 days
11	SCOTLAND	
	AD ABERDEEN CITY	1 days
	SR STIRLING	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 1023 to 2624 (units: sqm)
 Range Selected by User: 570 to 2773 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 19/11/22

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	1 days
Tuesday	5 days
Wednesday	2 days
Thursday	5 days
Friday	2 days

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

Selected survey types:

Manual count	15 days
Directional ATC Count	0 days

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

Selected Locations:

Edge of Town Centre	7
Suburban Area (PPS6 Out of Centre)	3
Edge of Town	5

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

Selected Location Sub Categories:

Industrial Zone	1
Development Zone	2
Residential Zone	4
Retail Zone	5
Built-Up Zone	2
No Sub Category	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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included	13 days - Selected
Servicing vehicles Excluded	10 days - Selected

Secondary Filtering selection:Use Class:

E(a)	15 days
------	---------

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	3 days
10,001 to 15,000	2 days
15,001 to 20,000	1 days
20,001 to 25,000	2 days
25,001 to 50,000	4 days
50,001 to 100,000	1 days

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

Population within 5 miles:

5,001 to 25,000	2 days
25,001 to 50,000	2 days
50,001 to 75,000	1 days
75,001 to 100,000	4 days
100,001 to 125,000	1 days
125,001 to 250,000	2 days
250,001 to 500,000	3 days

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

Car ownership within 5 miles:

0.6 to 1.0	5 days
1.1 to 1.5	10 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.

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	15 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Not Known	1 days
No	14 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	15 days
-----------------	---------

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

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
-----------------------	-----	--

LIST OF SITES relevant to selection parameters

1	AD-01-C-02	LIDL	ABERDEEN CITY
	GREENWELL ROAD ABERDEEN		
	Suburban Area (PPS6 Out of Centre) Industrial Zone Total Gross floor area:	1950 sqm	
	Survey date: WEDNESDAY	09/06/21	Survey Type: MANUAL
2	CA-01-C-01	LIDL	CAMBRIDGESHIRE
	CROMWELL ROAD WISBECH		
	Edge of Town Retail Zone Total Gross floor area:	1466 sqm	
	Survey date: FRIDAY	21/10/16	Survey Type: MANUAL
3	CF-01-C-01	LIDL	CARDIFF
	EAST TYNDALL STREET CARDIFF		
	Suburban Area (PPS6 Out of Centre) Development Zone Total Gross floor area:	2568 sqm	
	Survey date: THURSDAY	29/06/17	Survey Type: MANUAL
4	DH-01-C-01	ALDI	DURHAM
	WATLING ROAD BISHOP AUCKLAND		
	Edge of Town Retail Zone Total Gross floor area:	1023 sqm	
	Survey date: THURSDAY	06/04/17	Survey Type: MANUAL
5	GT-01-C-01	LIDL	WARRINGTON
	FENNEL STREET WARRINGTON		
	Edge of Town Centre Retail Zone Total Gross floor area:	1450 sqm	
	Survey date: THURSDAY	15/04/21	Survey Type: MANUAL
6	LN-01-C-01	LIDL	LINCOLNSHIRE
	RICHMOND DRIVE SKEGNESS		
	Edge of Town Centre Built-Up Zone Total Gross floor area:	2398 sqm	
	Survey date: TUESDAY	19/07/16	Survey Type: MANUAL
7	NN-01-C-01	ALDI	NORTH NORTHAMPTONSHIRE
	SAXON WAY WEST CORBY GREAT OAKLEY		
	Edge of Town Development Zone Total Gross floor area:	1924 sqm	
	Survey date: TUESDAY	14/06/22	Survey Type: MANUAL
8	NN-01-C-02	LIDL	NORTH NORTHAMPTONSHIRE
	MARINERS WAY KETTERING		
	Edge of Town Centre Retail Zone Total Gross floor area:	1850 sqm	
	Survey date: MONDAY	27/06/22	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

9	NN-01-C-04	LIDL		NORTH NORTHAMPTONSHIRE
	NEWTON ROAD			
	RUSHDEN			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	2624 sqm		
	Survey date: TUESDAY	19/07/16		Survey Type: MANUAL
10	NY-01-C-03	ALDI		NORTH YORKSHIRE
	STONEBRIDGE GATE			
	RIPON			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	1551 sqm		
	Survey date: FRIDAY	20/05/22		Survey Type: MANUAL
11	SM-01-C-01	LIDL		SOMERSET
	SEAWARD WAY			
	MINEHEAD			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	2247 sqm		
	Survey date: THURSDAY	22/06/17		Survey Type: MANUAL
12	SR-01-C-01	LIDL		STIRLING
	PLAYERS ROAD			
	STIRLING			
	Edge of Town Centre			
	Built-Up Zone			
	Total Gross floor area:	2442 sqm		
	Survey date: THURSDAY	01/06/17		Survey Type: MANUAL
13	TW-01-C-02	ALDI		TYNE & WEAR
	FOXHUNTERS ROAD			
	WHITLEY BAY			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	1600 sqm		
	Survey date: TUESDAY	17/05/22		Survey Type: MANUAL
14	WO-01-C-01	LIDL		WORCESTERSHIRE
	BLACKPOLE ROAD			
	WORCESTER			
	BRICKFIELDS			
	Edge of Town			
	Retail Zone			
	Total Gross floor area:	2417 sqm		
	Survey date: WEDNESDAY	13/07/16		Survey Type: MANUAL
15	WO-01-C-02	LIDL		WORCESTERSHIRE
	WORCESTER ROAD			
	MALVERN			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	1471 sqm		
	Survey date: TUESDAY	26/06/18		Survey Type: MANUAL

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

TRIP RATE for Land Use 01 - RETAIL/C - DISCOUNT FOOD STORES

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

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	2	2511	0.159	2	2511	0.040	2	2511	0.199
07:00 - 08:00	15	1932	0.569	15	1932	0.214	15	1932	0.783
08:00 - 09:00	15	1932	2.843	15	1932	2.050	15	1932	4.893
09:00 - 10:00	15	1932	3.530	15	1932	3.047	15	1932	6.577
10:00 - 11:00	15	1932	4.144	15	1932	3.809	15	1932	7.953
11:00 - 12:00	15	1932	4.686	15	1932	4.420	15	1932	9.106
12:00 - 13:00	15	1932	4.575	15	1932	4.555	15	1932	9.130
13:00 - 14:00	15	1932	4.451	15	1932	4.813	15	1932	9.264
14:00 - 15:00	15	1932	4.817	15	1932	4.596	15	1932	9.413
15:00 - 16:00	15	1932	4.648	15	1932	4.520	15	1932	9.168
16:00 - 17:00	15	1932	4.731	15	1932	4.810	15	1932	9.541
17:00 - 18:00	15	1932	4.455	15	1932	4.962	15	1932	9.417
18:00 - 19:00	15	1932	3.509	15	1932	3.858	15	1932	7.367
19:00 - 20:00	15	1932	2.364	15	1932	2.774	15	1932	5.138
20:00 - 21:00	15	1932	1.515	15	1932	1.994	15	1932	3.509
21:00 - 22:00	15	1932	0.721	15	1932	1.077	15	1932	1.798
22:00 - 23:00	14	1965	0.040	14	1965	0.262	14	1965	0.302
23:00 - 24:00									
Total Rates:			51.757				51.801	103.558	

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:	1023 - 2624 (units: sqm)
Survey date range:	01/01/15 - 19/11/22
Number of weekdays (Monday-Friday):	15
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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

Calculation Reference: AUDIT-701101-231005-1019

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 01 - RETAIL
Category : C - DISCOUNT FOOD STORES
TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BO BEDFORD	1 days
03	SOUTH WEST	
	SM SOMERSET	1 days
04	EAST ANGLIA	
	SF SUFFOLK	2 days
05	EAST MIDLANDS	
	LN LINCOLNSHIRE	3 days
	NN NORTH NORTHAMPTONSHIRE	1 days
06	WEST MIDLANDS	
	WO WORCESTERSHIRE	1 days
08	NORTH WEST	
	MS MERSEYSIDE	1 days
09	NORTH	
	TV TEES VALLEY	1 days
10	WALES	
	CF CARDIFF	1 days
	MM MONMOUTHSHIRE	1 days
11	SCOTLAND	
	LO WEST LOTHIAN	1 days
	SR STIRLING	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 1425 to 2624 (units: sqm)
 Range Selected by User: 570 to 2773 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/15 to 19/11/22

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:

Saturday 15 days

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

Selected survey types:

Manual count 15 days
 Directional ATC Count 0 days

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

Selected Locations:

Edge of Town Centre 4
 Suburban Area (PPS6 Out of Centre) 7
 Edge of Town 4

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

Selected Location Sub Categories:

Development Zone 1
 Residential Zone 5
 Retail Zone 1
 Built-Up Zone 3
 High Street 1
 No Sub Category 4

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.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included 8 days - Selected
 Servicing vehicles Excluded 10 days - Selected

Secondary Filtering selection:Use Class:

E(a) 15 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):Population within 1 mile:

5,001 to 10,000	4 days
10,001 to 15,000	1 days
15,001 to 20,000	3 days
20,001 to 25,000	2 days
25,001 to 50,000	4 days
50,001 to 100,000	1 days

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

Population within 5 miles:

5,001 to 25,000	1 days
25,001 to 50,000	2 days
75,001 to 100,000	4 days
125,001 to 250,000	5 days
250,001 to 500,000	3 days

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

Car ownership within 5 miles:

0.5 or Less	2 days
0.6 to 1.0	4 days
1.1 to 1.5	7 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.

Petrol filling station:

Included in the survey count	0 days
Excluded from count or no filling station	15 days

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

Not Known	1 days
No	14 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	15 days
-----------------	---------

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

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

1	BO-01-C-01	LIDL		BEDFORD
	RIDGE ROAD			
	BEDFORD			
	KEMPSTON			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	2544 sqm		
	Survey date: SATURDAY	17/10/20		Survey Type: MANUAL
2	CF-01-C-01	LIDL		CARDIFF
	EAST TYNDALL STREET			
	CARDIFF			
	Suburban Area (PPS6 Out of Centre)			
	Development Zone			
	Total Gross floor area:	2568 sqm		
	Survey date: SATURDAY	01/07/17		Survey Type: MANUAL
3	LN-01-C-01	LIDL		LINCOLNSHIRE
	RICHMOND DRIVE			
	SKEGNESS			
	Edge of Town Centre			
	Built-Up Zone			
	Total Gross floor area:	2398 sqm		
	Survey date: SATURDAY	16/07/16		Survey Type: MANUAL
4	LN-01-C-02	LIDL		LINCOLNSHIRE
	DIXON STREET			
	LINCOLN			
	NEW BOULTHAM			
	Suburban Area (PPS6 Out of Centre)			
	No Sub Category			
	Total Gross floor area:	2233 sqm		
	Survey date: SATURDAY	28/10/17		Survey Type: MANUAL
5	LN-01-C-03	ALDI		LINCOLNSHIRE
	NEWARK ROAD			
	LINCOLN			
	BRACEBRIDGE			
	Suburban Area (PPS6 Out of Centre)			
	High Street			
	Total Gross floor area:	1485 sqm		
	Survey date: SATURDAY	28/10/17		Survey Type: MANUAL
6	LO-01-C-01	LIDL		WEST LoTHIAN
	ALDERSTONE ROAD			
	LIVINGSTON			
	Edge of Town Centre			
	No Sub Category			
	Total Gross floor area:	2220 sqm		
	Survey date: SATURDAY	12/06/21		Survey Type: MANUAL
7	MM-01-C-01	LIDL		MONMOUTHSHIRE
	A466			
	MONMOUTH			
	MAYHILL			
	Suburban Area (PPS6 Out of Centre)			
	No Sub Category			
	Total Gross floor area:	1640 sqm		
	Survey date: SATURDAY	28/11/20		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	MS-01-C-05	ALDI		MERSEYSIDE
	VULCAN PARK COURT			
	NEWTON-LE-WILLOWS			
	VULCAN VILLAGE			
	Edge of Town			
	Residential Zone			
	Total Gross floor area:	1729 sqm		
	Survey date: SATURDAY	24/04/21		Survey Type: MANUAL
9	NN-01-C-04	LIDL		NORTH NORTHAMPTONSHIRE
	NEWTON ROAD			
	RUSHDEN			
	Edge of Town Centre			
	Residential Zone			
	Total Gross floor area:	2624 sqm		
	Survey date: SATURDAY	16/07/16		Survey Type: MANUAL
10	SF-01-C-01	ALDI		SUFFOLK
	HINES ROAD			
	IPSWICH			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	1530 sqm		
	Survey date: SATURDAY	26/06/21		Survey Type: MANUAL
11	SF-01-C-02	LIDL		SUFFOLK
	LONDON ROAD			
	IPSWICH			
	Suburban Area (PPS6 Out of Centre)			
	Built-Up Zone			
	Total Gross floor area:	1425 sqm		
	Survey date: SATURDAY	26/06/21		Survey Type: MANUAL
12	SM-01-C-01	LIDL		SOMERSET
	SEAWARD WAY			
	MINEHEAD			
	Edge of Town			
	No Sub Category			
	Total Gross floor area:	2247 sqm		
	Survey date: SATURDAY	24/06/17		Survey Type: MANUAL
13	SR-01-C-01	LIDL		STIRLING
	PLAYERS ROAD			
	STIRLING			
	Edge of Town Centre			
	Built-Up Zone			
	Total Gross floor area:	2442 sqm		
	Survey date: SATURDAY	03/06/17		Survey Type: MANUAL
14	TV-01-C-01	LIDL		TEES VALLEY
	JESMOND GARDENS			
	HARTLEPOOL			
	Suburban Area (PPS6 Out of Centre)			
	Residential Zone			
	Total Gross floor area:	1765 sqm		
	Survey date: SATURDAY	05/09/20		Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

15	WO-01-C-01	LIDL	WORCESTERSHIRE
	BLACKPOLE ROAD		
	WORCESTER		
	BRICKFIELDS		
	Edge of Town		
	Retail Zone		
	Total Gross floor area:	2417 sqm	
	Survey date: SATURDAY	16/07/16	Survey Type: MANUAL

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

TRIP RATE for Land Use 01 - RETAIL/C - DISCOUNT FOOD STORES

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

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	2	2511	0.219	2	2511	0.080	2	2511	0.299
07:00 - 08:00	14	2116	0.621	14	2116	0.135	14	2116	0.756
08:00 - 09:00	15	2084	3.122	15	2084	2.287	15	2084	5.409
09:00 - 10:00	15	2084	4.071	15	2084	3.454	15	2084	7.525
10:00 - 11:00	15	2084	5.079	15	2084	4.551	15	2084	9.630
11:00 - 12:00	15	2084	6.310	15	2084	5.894	15	2084	12.204
12:00 - 13:00	15	2084	5.955	15	2084	6.275	15	2084	12.230
13:00 - 14:00	15	2084	5.824	15	2084	5.834	15	2084	11.658
14:00 - 15:00	15	2084	5.520	15	2084	5.623	15	2084	11.143
15:00 - 16:00	15	2084	5.626	15	2084	5.782	15	2084	11.408
16:00 - 17:00	15	2084	5.024	15	2084	5.300	15	2084	10.324
17:00 - 18:00	15	2084	4.222	15	2084	4.356	15	2084	8.578
18:00 - 19:00	15	2084	3.026	15	2084	3.739	15	2084	6.765
19:00 - 20:00	15	2084	2.252	15	2084	2.703	15	2084	4.955
20:00 - 21:00	15	2084	1.298	15	2084	1.650	15	2084	2.948
21:00 - 22:00	15	2084	0.707	15	2084	0.979	15	2084	1.686
22:00 - 23:00	10	2236	0.080	10	2236	0.215	10	2236	0.295
23:00 - 24:00									
Total Rates:			58.956				58.857	117.813	

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:	1425 - 2624 (units: sqm)
Survey date range:	01/01/15 - 19/11/22
Number of weekdays (Monday-Friday):	0
Number of Saturdays:	15
Number of Sundays:	0
Surveys automatically removed from selection:	0
Surveys manually removed from selection:	0

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



Appendix K – Home Bargains – Retford Customer Trip Survey

Home Bargains Trip Purpose - Customer Survey

Sunday, February 12, 2023

Powered by  SurveyMonkey®

305

Total Responses

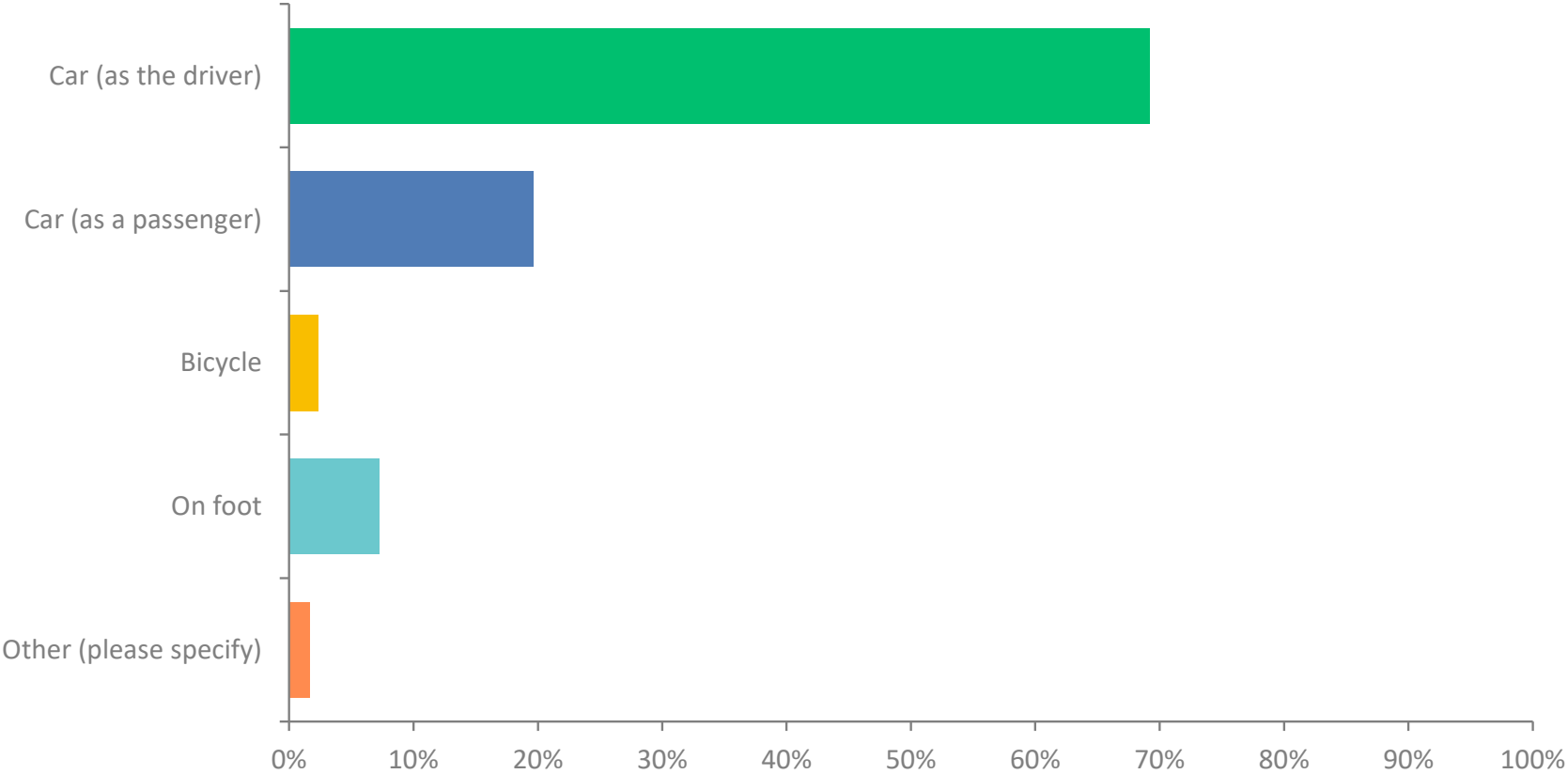
Date Created: Thursday, February 09, 2023

Complete Responses: 305

Powered by  **SurveyMonkey**

Q1: How did you arrive at Home Bargains today?

Answered: 305 Skipped: 0



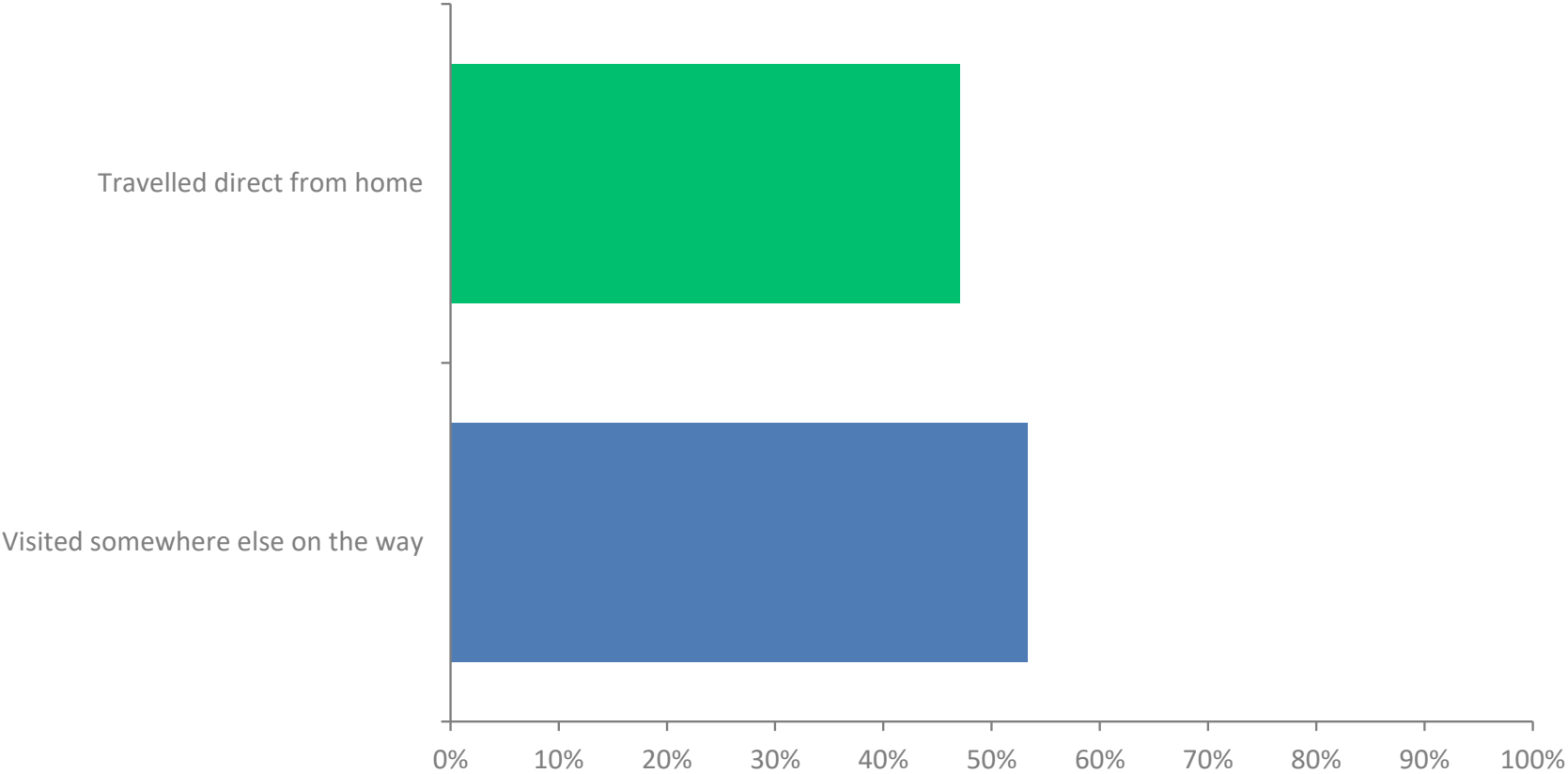
Q1: How did you arrive at Home Bargains today?

Answered: 305 Skipped: 0

ANSWER CHOICES	RESPONSES	
Car (as the driver)	69.18%	211
Car (as a passenger)	19.67%	60
Bicycle	2.30%	7
On foot	7.21%	22
Other (please specify)	1.64%	5
TOTAL		305

Q2: Have you travelled directly from home to come to Home Bargains today, or have you visited anywhere else on the way?

Answered: 304 Skipped: 1



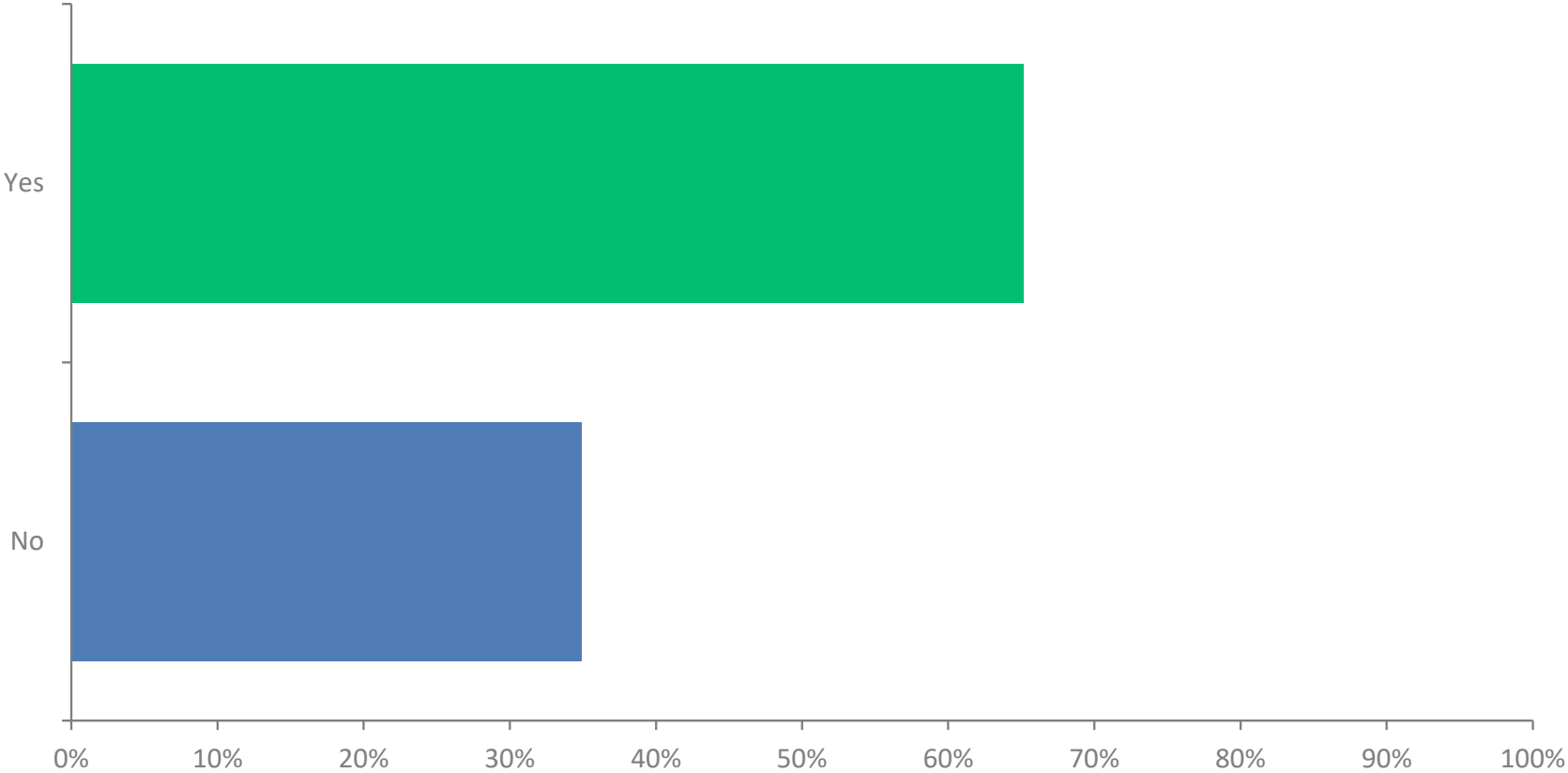
Q2: Have you travelled directly from home to come to Home Bargains today, or have you visited anywhere else on the way?

Answered: 304 Skipped: 1

ANSWER CHOICES	RESPONSES	
Travelled direct from home	47.04%	143
Visited somewhere else on the way	53.29%	162
TOTAL		305

Q3: Will you travel straight home after shopping at Home Bargains?

Answered: 304 Skipped: 1



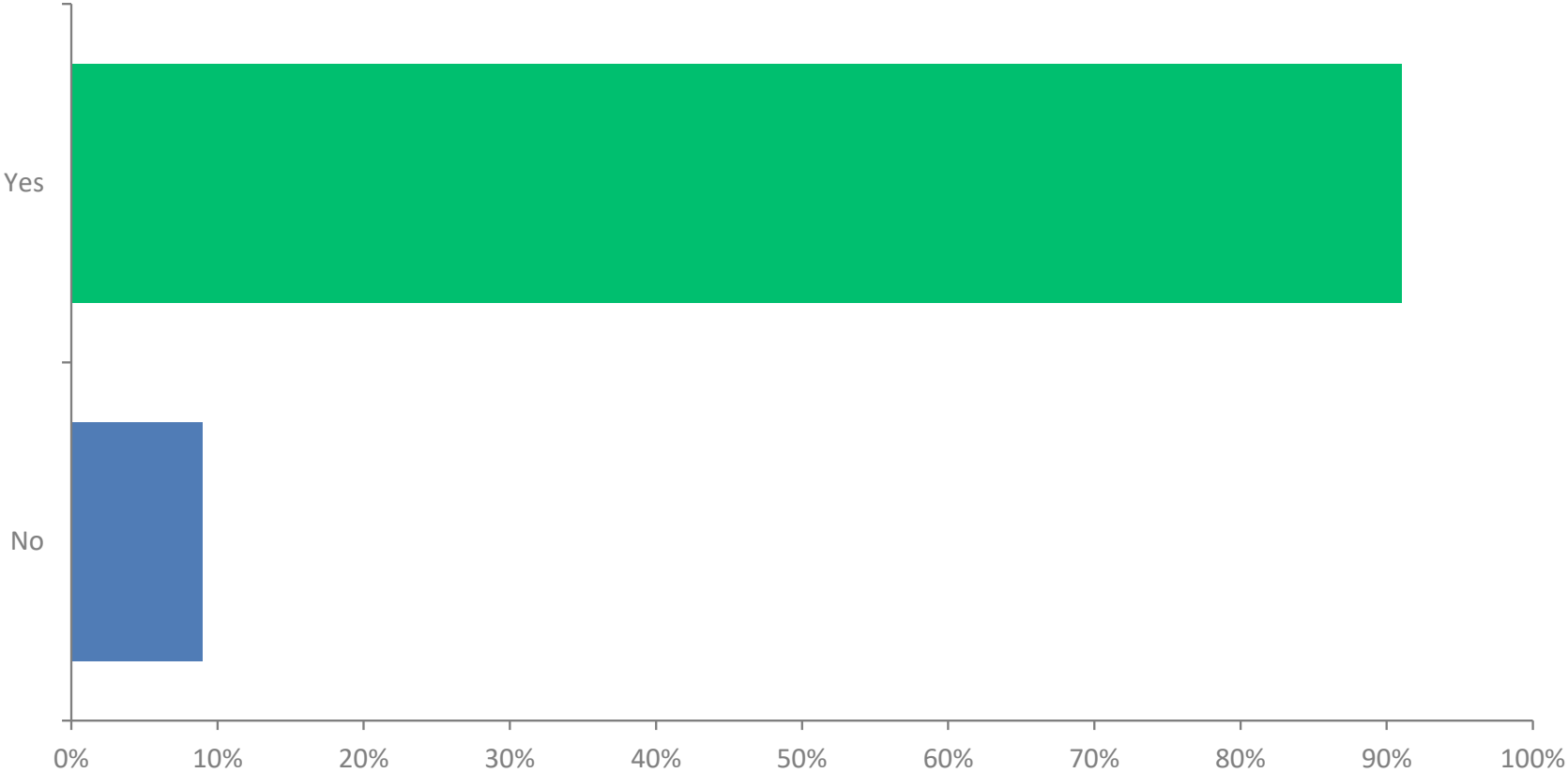
Q3: Will you travel straight home after shopping at Home Bargains?

Answered: 304 Skipped: 1

ANSWER CHOICES	RESPONSES	
Yes	65.13%	198
No	34.87%	106
TOTAL		304

Q4: When you left home today, was it always your intention to come to Home Bargains?

Answered: 301 Skipped: 4



Q4: When you left home today, was it always your intention to come to Home Bargains?

Answered: 301 Skipped: 4

ANSWER CHOICES	RESPONSES	
Yes	91.03%	274
No	8.97%	27
TOTAL		301

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