



ODYSSEY

DEVELOPING JOURNEYS

**LAND OFF CAMP ROAD, UPPER
HEYFORD, OXFORDSHIRE**

TRANSPORT ASSESSMENT



LAND OFF CAMP ROAD, UPPER HEYFORD, OXFORDSHIRE

**TRANSPORT ASSESSMENT
ON BEHALF OF DAVID WILSON HOMES**

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Appendix E Extract from Heyford Park Hybrid Application (18/00825/HYBRID) Transport Assessment



1.0 INTRODUCTION

Preamble

1.1.1 This Transport Assessment (TA) has been undertaken by Odyssey on behalf of David Wilson Homes (DWH) in support of a full planning application for the proposed development of 126 dwellings at Camp Road in Upper Heyford, Oxfordshire. The site location is shown in **Figure 1**.

1.1.2 The site has been subject to two planning applications both of which benefit from resolutions to grant planning permission. A full planning application, registered under Cherwell District Council (CDC) reference 15/01357/F, relates to 89 dwellings on the southern part of the site whilst an outline planning application under CDC reference 21/03523/OUT relates to 31 dwellings on the northern part of the site. Oxfordshire County Council (OCC) is the local highway authority.

1.1.3 The site is located adjacent to the ongoing development of Heyford Park, a redevelopment of the former RAF airfield at Upper Heyford. Heyford Park has been the subject to a number of planning applications and indeed some of these have already been implemented or are under construction at the time of writing.

1.1.4 Notably, a hybrid planning application (reference 18/00825/HYBRID) for Heyford Park for up to 1,175 dwellings, (then) A-class, B-class, D-class and Sui Generis land uses together with supporting infrastructure was submitted in 2018 and received planning consent in September 2022.

1.1.5 Whilst the site, to which this TA relates, is not formally part of Heyford Park, it was taken account of in the highway capacity assessments undertaken in relation to the 2018 hybrid application. Furthermore, as part of the hybrid application, a mitigation package was agreed between Dorchester Living (the applicant for the Heyford Park application) and OCC. The mitigation package, set out in Table 1.1 the TA Addendum submitted with the hybrid application envisages contributions to the following improvements:

- Bus Service and Bus Infrastructure
- Travel Plan Measures and Monitoring Fee
- Improvements to the Eastern End of Camp Road
- A4260 / B4027 Junction Mitigation
- M40 J10 Baynards Green Junction Mitigation
- Traffic Calming Schemes in Ardley, Somerton and Fritwell



1.2 *Report Structure*

1.2.1 This TA is structured as follows:

- **Section 2.0** reviews the national and local planning policy relevant to the planning application.
- **Section 3.0** sets out the existing conditions in the vicinity of the site relating to all modes of transport.
- **Section 4.0** details the development proposal including the design principles for the proposed site, the highway drawings being submitted as part of the planning application, and the on-site car and cycle parking provision.
- **Section 5.0** details the expected trip rates and trip generation for the proposed development, together with an assessment of the traffic distribution and assignment, as well as the development traffic impact.
- **Section 6.0** sets out the proposed Travel Plan.
- **Section 7.0** summarises and concludes the report.



2.0 POLICY CONTEXT

2.1 Preamble

2.1.1 This section outlines the relevant national and local planning policy upon which the design and delivery of the proposed development, with respect to highways and transport matters, has been based.

2.2 National Planning Policy Framework

2.2.1 The National Planning Policy Framework (NPPF, July 2021) provides a structure for development within the UK, with a *'presumption in favour of sustainable development'*.

2.2.2 Paragraph 85 of the NPPF states *'...it will be important to ensure that development is sensitive to its surroundings, does not have an unacceptable impact on local roads and exploits any opportunities to make a location more sustainable (for example by improving the scope for access on foot, by cycling or by public transport). The use of previously developed land, and sites that are physically well-related to existing settlements, should be encouraged where suitable opportunities exist.'*

2.2.3 As such, the NPPF states in Paragraph 111 that *'Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network would be severe.'*

2.2.4 Paragraph 113 continues, *'All developments that will generate significant amounts of movement should be required to provide a travel plan, and the application should be supported by a transport statement or transport assessment so that the likely impacts of the proposal can be assessed.'*

2.3 Oxfordshire Local Transport and Connectivity Plan (July 2022)

2.3.1 Oxfordshire's Local Transport and Connectivity Plan (LTCP) was adopted in July 2022 and sets out a clear vision to deliver a net-zero Oxfordshire transport and travel system that enables the county to thrive while protecting the environment and making Oxfordshire a better place to live for all residents.

2.3.2 The LTCP includes targets to:

- Reduce one in four car trips by 2030



- Deliver a net-zero transport network by 2040
- Have zero, or as close to zero as possible road fatalities or life-changing injuries by 2050.

2.3.3 The LTCP will be achieved by:

- Reducing the need to travel
- Discouraging individual private journeys
- Making walking, cycling, public and shared transport the natural first choice.

2.3.4 Part 2 of the LTCP is under development and will, in due course, set out strategies to support its vision and aims.

2.4 Adopted Cherwell Local Plan (2011-2031)

2.4.1 The Cherwell Local Plan (LP) 2011-2031 was originally adopted in July 2015. Policy 'Bicester 13' was subsequently subject to an amendment, which resulted in the LP being re-adopted in December 2016.

2.4.2 Underpinning the LP is a spatial strategy for Cherwell District, which can be summarised as:

- Focusing the bulk of the proposed growth in and around Bicester and Banbury.
- Limiting growth in rural areas and directing it towards larger and more sustainable villages.
- Aiming to strictly control development in open countryside.

2.4.3 Section B of the LP considers three themes: policies for developing a sustainable local economy (SLE), policies for building sustainable communities (BSC) and policies for ensuring sustainable development (ESD).

2.4.4 Policy SLE 4: Improved Transport and Connections states that transport improvements at the former RAF Upper Heyford would be supported.

2.4.5 The BSC policies are not relevant to this TA.

2.4.6 Policy ESD 1: Mitigating and Adapting to Climate Change states that “...*delivering development that seeks to reduce the need to travel and which encourages sustainable travel*”



options including walking, cycling and public transport to reduce the dependency on private cars will mitigate the impact of development on climate change.

2.4.7 Section C of the LP sets out policies for Cherwell's Places. Specifically, Policy 'Villages 5' sets out the view on a mixed-use development on the former RAF airfield at Upper Heyford, its infrastructure needs and key site-specific design and place shaping principles.

2.4.8 With regards to transport, policy 'Villages 5' states:

- *"The settlement should be designed to encourage walking, cycling and use of public transport rather than travel by private car, with the provision of footpaths and cycleways that link to existing networks. Improved access to public transport will be required.*
- *Development should accord with Policy ESD 15 and include layouts that maximise the potential for walkable neighbourhoods with a legible hierarchy of routes.*
- *Retention and enhancement of existing Public Rights of Way, and the provision of links from the development to the wider Public Rights of Way network, including the reinstatement of the historic Portway route across the western end of the extended former main runway as a public right of way on its original alignment.*
- *Layouts should enable a high degree of integration with development areas within the 'Policy Villages 5' allocation, with connectivity between new and existing communities.*
- *Measures to minimise the impact of traffic generated by the development on the surrounding road network will be required through funding and / or physical works, including to any necessary capacity improvements around Junction 10 of the M40, and to the rural road network to the west of the site and around Middleton Stoney including traffic calming and management measures.*
- *Development will provide for good accessibility to public transport services and a plan for public transport provision will accompany any planning application.*
- *A Travel Plan should accompany any development proposals."*

2.4.9 Whilst the proposed development site is not part of the former airfield, it is included in the Villages 5 policy boundary.



2.5 *Policy Summary*

2.5.1 The development is located south of the former RAF airfield at Upper Heyford which is subject to redevelopment, also referred to as Heyford Park. Whilst not part of the airfield development site itself, it is located within the areas identified for potential additional development under Policy 'Villages 5' of the Cherwell LP. As such the principle of development on the site is compliant with the relevant LP policies.

2.5.2 Due to the development of the former RAF airfield, which is underway at the time of writing, the proposed development would be located within a range of facilities and amenities which aids in reducing the need to travel. It is therefore compliant with the strategies set out in the LTCP.



3.0 EXISTING CONDITIONS AND SITE ACCESSIBILITY

3.1 *Site Location*

3.1.1 The site is located to the east of Upper Heyford, Oxfordshire. It is bounded by open fields to the north and east, to the west by a private drive providing access to Letchmere Farm and a small cluster of private dwellings, and by Camp Road to the south, as shown in **Figure 1**. Beyond the immediate western site boundary lies the wider area of Heyford Park, a mixed use redevelopment of the former RAF airfield at Upper Heyford.

3.2 *Local Highway Network*

3.2.1 The proposed site would be accessed off Camp Road which, in the vicinity of the proposed access is a single carriageway road, with an approximate width of 6m and a speed limit of 30mph. It is rural in nature at present.

3.2.2 To the west of the proposed site access, Camp Road is subject to a horizontal traffic calming feature in the form of buildouts on both sides of the road and a give way line in the westbound direction. East of the proposed site access, near the junction with Chilgrove Drive, a further horizontal traffic calming feature is consented as part of the Section 278 package relating to the aforementioned hybrid planning application for Heyford Park. There is an existing traffic island along Camp Road in the vicinity of the proposed site access which would be removed as part of the Section 278 works; refer to **Section 4.0**. The Heyford Park Section 278 package further includes the signalisation of the junction of Camp Road with Chilgrove Drive. The drawings showing an overview of the Section 278 works are included in **Appendix A**.

3.2.3 To the west, Camp Road leads towards the settlement of Upper Heyford, serving a number residential and commercial roads. To the east, Camp Road leads towards the B430, and southeast to the B4030. From the B430, the A43 and M40 can be reached. The local highway network is shown in **Figure 1**.

3.3 *Collision Data*

3.3.1 Collision data for the latest available five-year (66 months) period, from 01/01/2017 to 28/06/2022, for the area in the vicinity of the proposed site access has been obtained from OCC. This shows that no collisions were recorded along the site frontage in that period. The collision data for the wider area is included at **Appendix B**.



3.4 Pedestrian and Cycle Access

3.4.1 There are currently no pedestrian or cycle facilities along Camp Road on the site frontage, however, as part of the Heyford Park proposals, a mitigation scheme has been developed which would include a footway along the northern side of Camp Road along the site frontage.

3.4.2 To the east of the site, the footway would change from the northern to the southern side of Camp Road, with a zebra crossing proposed to provide a pedestrian connection.

3.4.3 At the western end of the site frontage, a footway would be provided on the southern side of Camp Road to connect to the existing footway west of the access to Duval Park, refer to **Appendix A** for details of the scheme.

3.4.4 To the west of the site, beyond its junction with Larsen Road, Camp Road benefits from a footway on both sides of the road, providing access to the local area and facilities.

3.4.5 There are currently no formal cycle facilities in the vicinity of the site, however the Heyford Park Section 278 package would also include an on street advisory cycle lane.

3.5 Bus Service

3.5.1 The nearest bus stop is located on Camp Road, approximately 120m west of the site access. It is served by Route 250 which is operated by Diamond South East.

3.5.2 Bus service 250 runs between Oxford and Bicester, via Upper Heyford, at a frequency of 30-60 minutes throughout the daytime and early evening, Mondays to Saturdays. On Sundays it runs hourly between Bicester and Upper Heyford throughout the daytime and early evening.

3.5.3 It is understood that improvements to the local bus services are proposed as part of the wider Heyford Park development, which residents of the proposed development would benefit from.

3.6 Local Facilities

3.6.1 The wider Heyford Park development includes the provision of a range of retail, education and leisure facilities, some of which are already in place, including a Sainsbury's Local and a dentist at the Village Centre, approximately 500m from the site frontage. Future facilities include shops, restaurants and bars as well as a pharmacy.



3.6.2 Further facilities are provided within 1,600m and include Heyford Park Free School and Heyford Park Football Club.



4.0 DEVELOPMENT PROPOSALS

4.1 Development Proposals

4.1.1 The development proposals include the provision of 126 dwellings, of which 88 would be private open market dwellings whilst 38 would be affordable dwellings. The breakdown by tenure and number of bedrooms is shown in **Table 4.1** whilst the site layout is included in **Appendix C**.

Table 4.1 Proposed Development

Bedrooms	Number of Private Dwellings	Number of Affordable Dwellings	All Dwellings
<i>Flats</i>			
1 bedroom	-	10	10
<i>Total flats</i>		10	10
<i>Houses / Bungalows</i>			
2 bedrooms	7	18	25
3 bedrooms	45	9	54
4 bedrooms	36	1	37
<i>Total houses / bungalows</i>	88	28	116
Total dwellings	88	38	126

4.2 Site Access and On-Site Layout

4.2.1 The main access into the site would be taken from Camp Road and is situated approximately centrally along the site frontage, via a simple priority junction. An existing traffic island along Camp Road would be removed to enable all movements in and out of the site. The location and design of the site access formed part of the previous full application (reference 15/01357/F, Drawing 16413-01C, refer to **Appendix C**) which benefits from resolution to grant permission. This included the provision of 43m visibility splays, equating to the Manual for Streets (MfS) standard for 30mph roads. The principle of a new priority junction to provide access for the proposed development is, therefore, considered acceptable to OCC.

4.2.2 For robustness, Automatic Traffic Count (ATC) surveys were carried out from 7th September to 13th September 2022 at and on either side of the proposed site access to obtain existing vehicle speeds along Camp Road in order to confirm the visibility requirements for the site access junction.

4.2.3 The speed surveys showed that the highest 85th percentile vehicle speeds were 33.5mph and 38.5mph, recorded in the eastbound and westbound directions respectively. These speeds have of course been recorded prior to the implementation of the Heyford Park Section 278 works which would bring the site frontage within a section of traffic calming whereas at present it sits just



outside to the east of the existing calming features. The surveys show that the existing calming is effective at reducing speeds on entry to the calmed area with the westbound traffic speeds reducing by 10mph to less than 30mph. It is therefore considered that the consented Section 278 features would result in speeds being similarly reduced at the eastern extent of the site frontage, thus confirming the appropriateness of the previously agreed splays. Nonetheless it is also demonstrated that splays corresponding to existing speeds can still be achieved within highway land. The ATC survey data is included in **Appendix D** whilst the corresponding visibility splays are shown in **Drawing 22-192-003D**.

4.2.4 The roads internal to the site have been designed in accordance with the OCC Street Design Guide (2022). The majority of internal roads are designed to a traditional layout including a 5.0m wide carriageway and 2.0m wide footways on one or both sides of the road with localised widening around bends. Where shared surfaces are provided, these are 7.0m wide whilst shared driveways are 4.1m wide.

4.2.5 The internal site layout includes the provision of a spine road with a loop road running through the northern part of the site. A LEAP / LAP is proposed within the southern area enclosed by the loop road, whilst the northern part would be occupied by dwellings. Direct access to dwellings would be provided from the loop road as well as from a number of side roads and shared drives.

4.2.6 Junction visibility internal to the site is provided in accordance with MfS requirements for speeds of 20mph whilst forward visibility around 90 degree bends is provided for speeds of 15mph. **Drawing 22-192-001D** shows the General Arrangement including visibility splays at the site access and internal to the site.

4.2.7 In addition to the main site access, two shared private drives are provided in the form of crossovers, one on each side of the site access junction; the driveway to the west of the site access would serve four dwellings whilst the one to the east would serve five dwellings.

4.3 Refuse Collection

4.3.1 The site layout has been designed to allow refuse collection by a 11.64m refuse vehicle as used in Oxfordshire. Bin stores and bin collection points have been provided throughout the development to ensure compliance with Building Regulation Part H (Waste) in terms of operator drag distance of 25m and residents' drag distance of 30m. **Drawing 22-192-002D** shows the refuse vehicle swept path analysis (SPA) as well as the location of bin collection points and relevant drag distances.



4.4 Fire Tender Access

4.4.1 The site layout has been designed to ensure compliance with Building Regulations Part B (Fire) with respect to accessibility. **Drawing 22-192-004B** shows the fire tender SPA and hose distances.

4.5 Pumping Station Access

4.5.1 **Drawing 22-192-006** shows a tanker accessing the pumping station. It shows that the vehicle is able to enter and leave the site in forward gear.

4.5.2 It is acknowledged that the tanker would encroach into oncoming traffic within the site and at the site access, however this is considered acceptable due to the low frequency of a tanker entering the site. Furthermore, sufficient visibility is provided at the junction of the spine road with the pumping station access road at the main access junction, allowing the tanker driver to see oncoming traffic before making a turning manoeuvre.

4.6 Parking

Car Parking

4.6.1 Car parking has been designed in accordance with the Cherwell Residential Design Guide Supplementary Design Guide (SPD), July 2018, as set out in Table A6.B1 in Appendix F.

4.6.2 **Table 4.2** sets out the proposed car parking for the development.

Table 4.2: Proposed Car Parking Provision

Dwelling Type	Beds	No. Dwellings	Proposed Car Parking			Parking Standards		
			Car Parking	Garages	Total	Allocated	Unallocated	Total
Apartment	1	10	10	0	10	10	4.0	14.0
House	2	25	50	0	50	50	7.5	57.5
	3	54	105	18	123	105	21.6	126.6
	4	37	74	34	108	74	22.2	96.2
Total	-	126	239	52	291	239	56 (55.3)	295 (294.3)

4.6.3 As shown in **Table 4.2**, the development proposes a total of 239 allocated residential car parking spaces, with a further 52 garage spaces and 25 visitor spaces, totalling 316 car parking



spaces. The CDC car parking standards require the provision of 239 allocated and 56 (55.3) unallocated car parking spaces, totalling 295 (294.3) spaces.

Cycle Parking

4.6.4 Each dwelling benefits from cycle parking, either within the gardens or garages, in accordance with OCC's parking standards.



5.0 TRAFFIC GENERATION, DISTRIBUTION, ASSIGNMENT AND IMPACT

5.1 Development Trip Generation

5.1.1 In order to determine the number of AM and PM peak hour vehicle trips generated by the proposed development of 126 dwellings, the trip rates taken from the hybrid application relating to Heyford Park have been used. The hybrid application used both standard and sensitivity trip rates, which are replicated in **Table 5.1** whilst the corresponding number of development generated vehicle trips are shown in **Table 5.2**.

Table 5.1 Vehicle Trip Rates

	AM Peak			PM Peak		
	In	Out	Two-way	In	Out	Two-way
Standard Trip Rate	0.110	0.369	0.479	0.281	0.187	0.468
Sensitivity Trip Rate	0.147	0.452	0.599	0.319	0.165	0.484

Table 5.2 Development Trip Generation for 126 Dwellings (vehicles)

	AM Peak			PM Peak		
	In	Out	Two-way	In	Out	Two-way
Standard Trip Rate	14	46	60	35	24	59
Sensitivity Trip Rate	19	57	76	40	21	61

5.1.2 As **Table 5.2** shows, the proposed development is likely to generate between 60 and 76 vehicle trips in the morning peak hour and circa 60 vehicle trips in the evening peak hour.

5.2 Distribution and Assignment

5.2.1 The TA in support of the hybrid application for Heyford Park set out the distribution and assignment of development trips using Census data for journeys to work and a review of local education facilities for education journeys.

5.2.2 The assignment of trips was then undertaken using the Google Maps journey planner based on journey times.

5.3 Development Impact Assessment

5.3.1 The TA in support of the Heyford Park hybrid application included extensive capacity analysis of junctions in the wider area, including the site access to the proposed development.



5.3.2 Capacity analysis of the Camp Road / site access junction, using the sensitivity traffic flows, showed that the junction would operate well within capacity once the development is fully occupied. An extract from the Heyford Park hybrid application Transport Assessment, showing the results of the capacity analysis, are included at **Appendix E**.

5.3.3 A number of junctions in the wider area were shown to require improvements for which a mitigation package was developed as part of the Heyford Park hybrid application. It is anticipated that a contribution to the mitigation package would be made proportionate to the impact resulting from the proposed development.



6.0 TRAVEL PLAN

6.1.1 DWH are committed to encouraging the residents of their dwellings to travel sustainably wherever possible. As such, it is anticipated that a Residential Travel Plan (RTP) would be implemented from first occupation of the proposed development.

6.1.2 The wider Heyford Park development benefits from a Framework Travel Plan (FTP), produced by My Mode Choice in April 2021 and covering all land uses, including the residential elements. It is envisaged that the RTP for the proposed development would be in line with the FTP produced for Heyford Park.

6.1.3 It is anticipated that, as indicated in **Section 1.0**, DWH would contribute to the TP measures and monitoring of the Heyford Park RTP.



7.0 SUMMARY AND CONCLUSIONS

7.1 *Summary*

7.1.1 This Transport Assessment relates to the proposed development of up to 126 dwellings on land at Camp Road in Upper Heyford.

7.1.2 The site is located adjacent to Heyford Park, a re-development of the former RAF airfield at Upper Heyford. Whilst not part of the airfield itself, the site is part of the 'Villages 5' Local Plan policy. The site itself, as well as Heyford Park, has an extensive planning history, including a "hybrid" planning application for Heyford Park, which was submitted to Cherwell District Council in 2018 and granted planning consent in September 2022. The TA for the hybrid planning application assessed the impact of the 'Villages 5' policy, including the proposed development at Camp Road.

7.1.3 The site is located within a short distance of a number of facilities, many of which have been or will be delivered by the Heyford Park development, including retail, leisure and health facilities as well as an extension to the existing school.

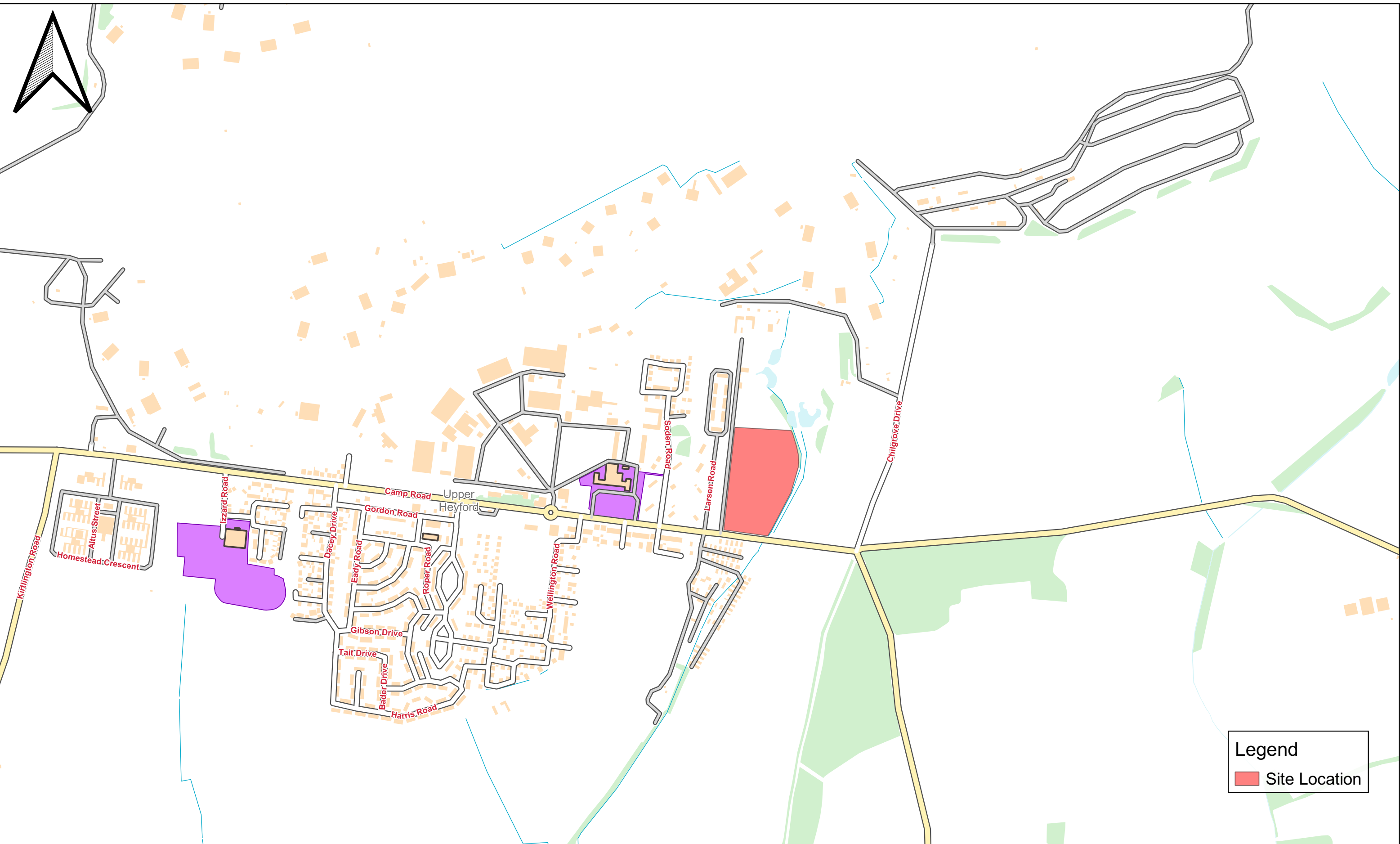
7.1.4 The site would be accessed via a simple priority junction off Camp Road, with two shared drives being provided on either side of the site access. The site access and internal site layout have been designed to ensure compliance with Building Regulations Parts B (fire tender access) and H (waste), with respect to access.

7.1.5 The impact on the local highway network resulting from the proposed development was assessed as part of the Heyford Park hybrid application which also developed a mitigation package and, as such, it is considered that the proposed development would not result in a severe impact on the local highway network.

7.2 *Conclusions*


7.2.1 The design of the site access and on-site layout are considered suitable and the traffic impact of the proposed development on the local highway network is not considered to be severe. On this basis it is considered that there is no reason to refuse the planning application for the proposed development on highway grounds.

FIGURE

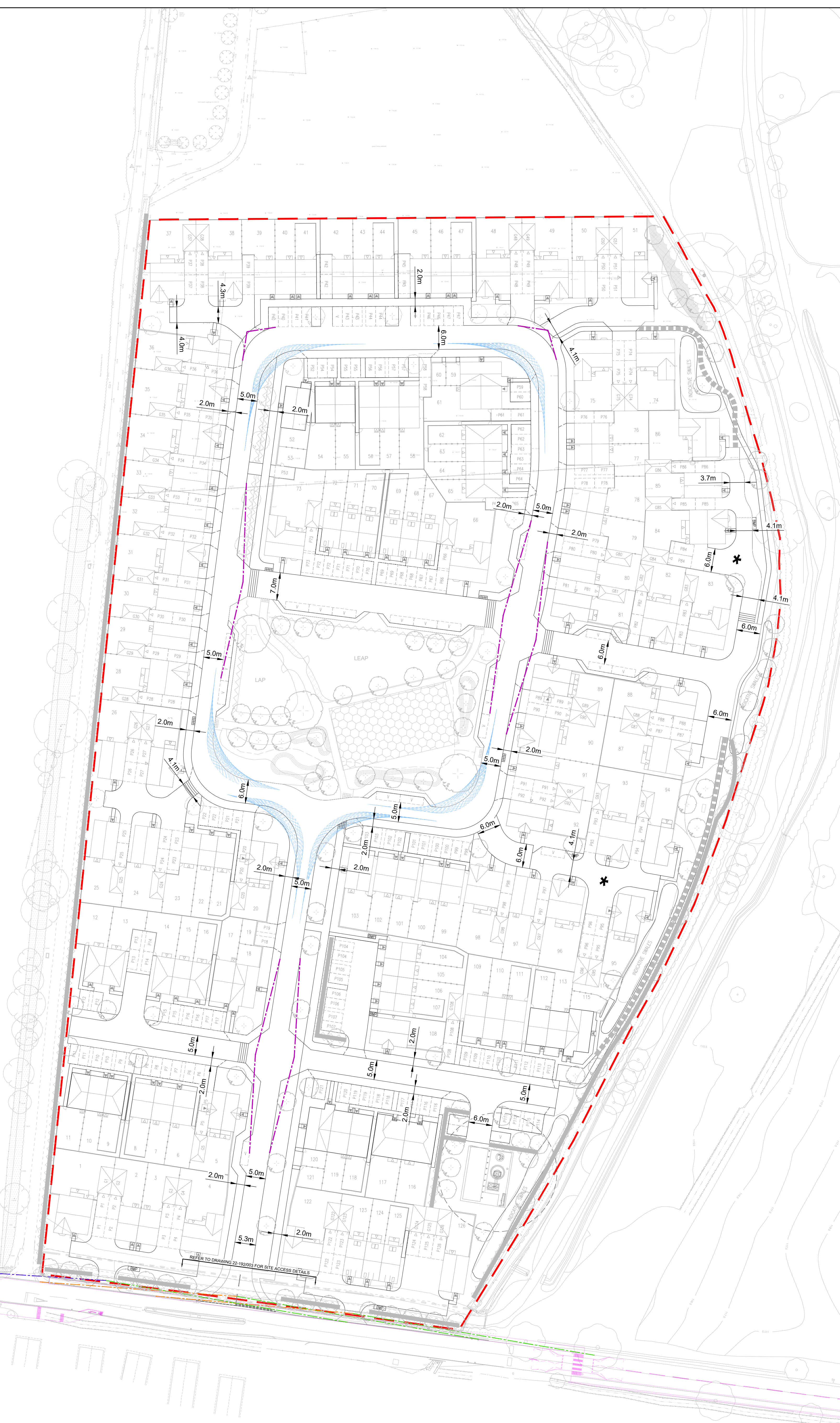





Legend

Site Location

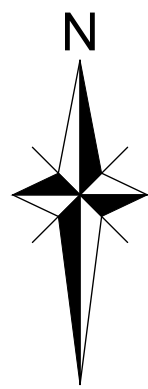
<div>Ordnance Survey Material © Crown copyright and database right 2020</div> <div><div>18-21 Morley Street London SE1 7QZ</div><div>Telephone: 0207 620 2444 Fax: 0207 620 1168 : info@odysseyconsult.co.uk l: www.odysseyconsult.co.uk</div></div>	Job Title	Client	Scale	Date	Designed
	LAND OFF CAMP ROAD, UPPER HEYFORD		NTS	SEPT' 22	BEB
	Drawing Title		Drawn	Checked	Approved
	SITE LOCATION PLAN	DAVID WILSON HOMES SOUTHERN	BEB	BM	RJH
			Job No	Figure No	Rev
			22-192	22-192-FIG1	

DRAWINGS



 SITE BOUNDARY
 2.4m x 25m VISIBILITY SPLAYS (20mph MFS)
 17m FORWARD VISIBILITY(15mph MFS)

Scale 1:500 @A1	Date AUG 22	Designed MS
Drawn MS	Checked RJH	Approved RJH
Job No 22-192	Drawing No 22-192/001	Rev D



NOTES

1. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES.

2. COMMENTS BASED ON LAYOUT RECEIVED FROM FOCUS ON 16/09/22.

KEY:-

SITE BOUNDARY

RESIDENT DRAG DISTANCE (30m MAX)

OPERATIVE DRAG DISTANCE (25m MAX)

11.64

1.65 3.75 1.35 1.35

QCC Refuse Vehicle

Overall Length

Overall Width

Overall Body Height

Min Body Ground Clearance

Track Width

Lock to lock time

Wall to Wall Turning Radius

11.640m

2.530m

3.756m

0.309m

2.530m

4.00s

11.250m

D	SITE LAYOUT UPDATED	MS	BM	BM	21/09/22
C	SITE LAYOUT UPDATED	MS	BM	BM	09/09/22
B	COMMENTS UPDATED TO REVISED LAYOUT	MS	BM	BM	30/08/22
A	MINOR UPDATES TO PROPOSED HIGHWAYS	MS	BM	BM	08/08/22
Rev	Amendments	Orn	Chk	App	Date

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Job Title

LAND OFF CAMP ROAD,
UPPER HEYFORD

Drawing Title

REFUSE VEHICLE SWEEP
PATH ANALYSIS

Client

DAVID WILSON HOMES
SOUTHERN

Scale

1:500 @A1

Date

AUG 22

Designed

MS

Drawn

MS

Checked

RJH

Approved

RJH

Job No

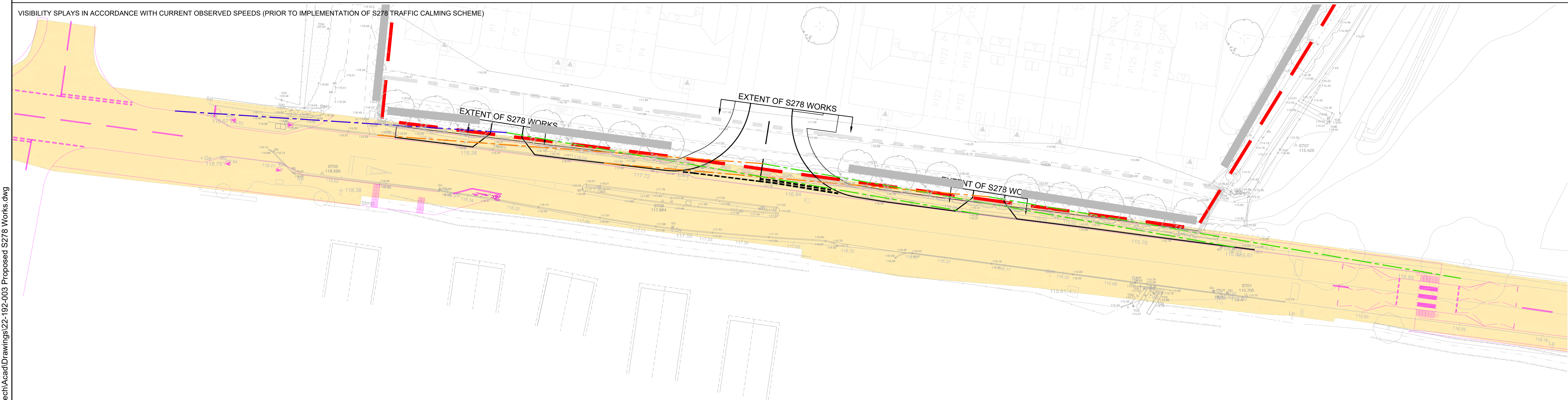
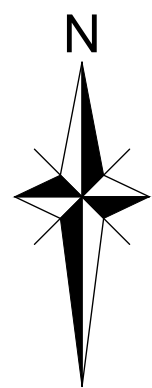
22-192

Drawing No

22-192/002

Rev

D



NOTES


- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES.
- SITE LAYOUT HAS BEEN PROVIDED BY FOCUS ON DESIGN. DRAWING REF. 0778-SK01. DATED SEPTEMBER 2022.
- TOPOGRAPHICAL SURVEY HAS BEEN PROVIDED BY PYE HOMES. DATED JUNE 2019.
- HIGHWAY BOUNDARY INTERPOLATED ONTO OS MAPPING FROM INFORMATION RECEIVED FROM OXFORDSHIRE COUNTY COUNCIL ON 07/01/22 VIA DAVID WILSON HOMES ON 02/08/22.

LEGEND

- SITE BOUNDARY
- HIGHWAY BOUNDARY
- ADJACENT S278 WORKS (TO BE COMPLETED BY OTHERS - TRANSPOSED FROM WOODS HARDWICK DRAWING 16871-SK381 REV B)
- 2.4m x 43m VISIBILITY SPAY (30mph MIS)
- 2.4m x 50m VISIBILITY SPAY (33.5mph MIS)
- 2.4m x 62m VISIBILITY SPAY (38.5mph MIS)

D MINOR AMENDMENTS	REBOM	RJH	20/09/22
C SURVEYED VISIBILITY SPAYS ADDED	MS	BM	RJH 27/09/22
B SITE LAYOUT UPDATED	MS	BM	RJH 28/09/22
A UNDERGROUND ELECTRICITY CABLE ADDED	MS	BM	RJH 25/08/22

Rev	Amendments	Des	Chk	App	Date



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Web: www.odysseyconsult.co.uk

Job Title

**LAND OFF CAMP ROAD,
UPPER HEYFORD**

Drawing Title

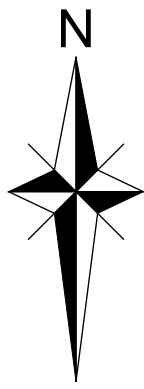
**PROPOSED SITE ACCESS
GENERAL ARRANGEMENT**

Client

**DAVID WILSON HOMES
SOUTHERN**

Scale	Date	Designed
1:250 @A0	AUG 22	MS
Drawn	Checked	Approved
MS	RJH	RJH
Job No	Drawing No	Rev
22-192	22-192/003	D

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NOTES

1. BASED ON LAYOUT RECEIVED FROM FOCUS ON 16/09/2022

KEY:-

- SITE BOUNDARY
- 20m MAXIMUM DISTANCE FROM JUNCTION
- 45m MAXIMUM HOSE DRAG DISTANCE

DB32 Fire Appliance
Overall Length 8.680m
Overall Width 3.452m
Min Body Ground Clearance 0.337m
Max Track Width 2.121m
Look to lock time 6.00s
Kerb to Kerb Turning Radius 7.910m

B	SITE LAYOUT UPDATED	MS	BM	BM	21/09/22
A	SITE LAYOUT UPDATED	MS	BM	BM	09/09/22
Rev	Amendments	Drn	Chk	App	Date

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Job Title

LAND OFF CAMP ROAD,
UPPER HEYFORD

Drawing Title

FIRE TENDER SWEPT
PATH ANALYSIS

Client

DAVID WILSON HOMES
SOUTHERN

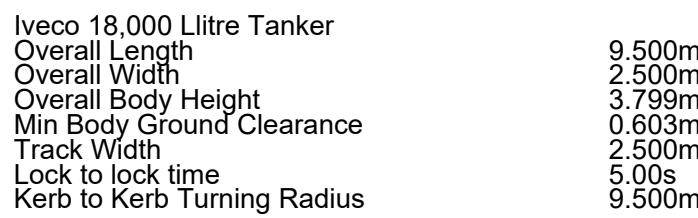
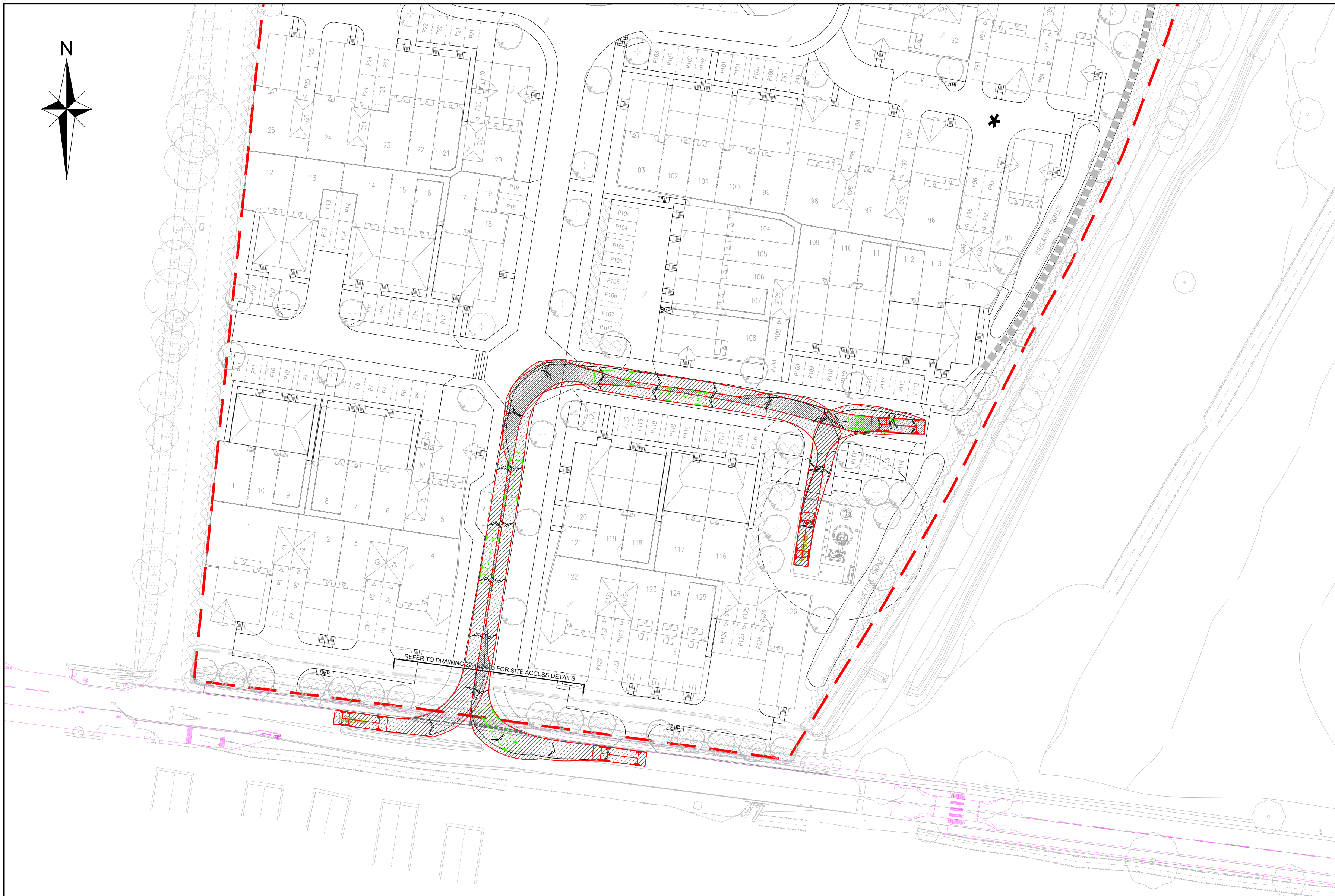
Scale	Date	Designed
1:500 @A1	AUG 22	MS
Drawn	Checked	Approved
MS	BM	BM
Job No	Drawing No	Rev
22-192	22-192/004	B

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Scale 1 : 500

0 5 10 15 20 25 30 35 40 45 50m

P:22-192 - Land off Camp Road, Upper Heyford\Tech\Acad\Drawings\22-192-004 Fire Tender SPA.dwg



1. BASED ON LAYOUT RECEIVED FROM FOCUS ON
16/09/2022

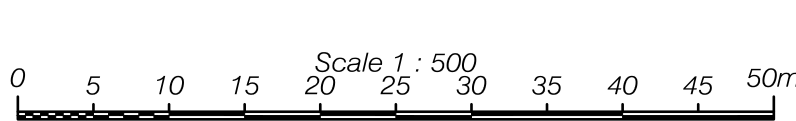
 SITE BOUNDARY

Iveco 18,000 Litre Tanker
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock to lock time
Kerb to Kerb Turning Radius

9.500m
2.500m
3.799m
0.603m
2.500m
5.00s
9.500m



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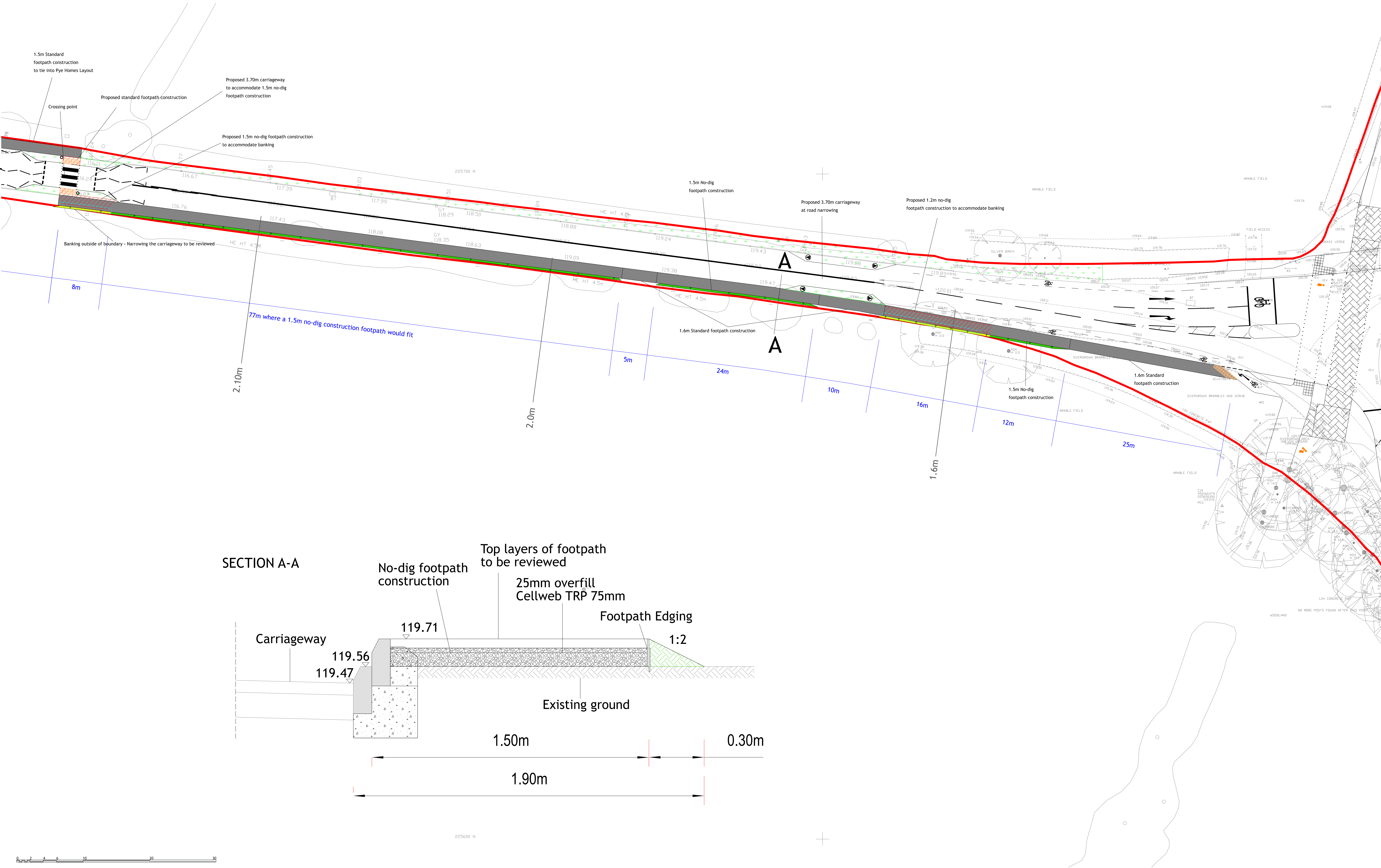
Drawing Title

TANKER HGV
PATH ANALYSIS

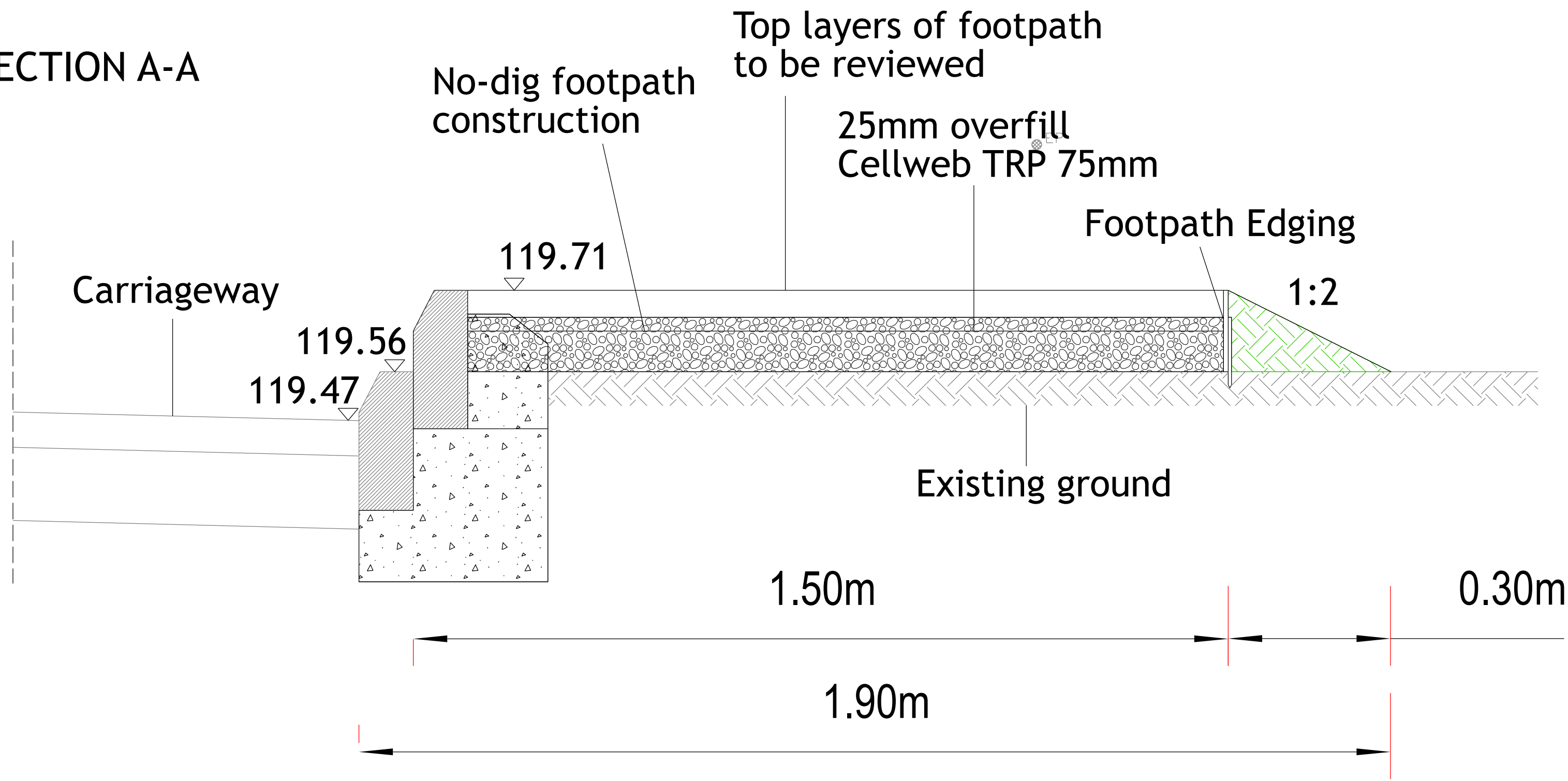
Scale 1:500 @A1	Date AUG 22	Designed MS
Drawn MS	Checked BM	Approved BM

APPENDIX A

Heyford Park Section 278 Package for Camp Road



SECTION A-A



- NOTES
- Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect or Engineer before proceeding.
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SAFETY, HEALTH AND ENVIRONMENTAL

In addition to the hazards, risks normally associated with the type of work detailed on this drawing, note the following significant risks and information.

Construction:

- Proximity of works to a live carriageway
- Possible presence of existing services
- Protection of trees and hedges

For information relating to end use, maintenance, demolition, see the health and safety file.

It is assumed that all works will be carried out by a competent Contractor, where appropriate, to an approved method statement.

KEY

- Highway Boundary Limits
- Possible Future Footpath
- Banking
- Banking outside of boundary
- Proposed Footpath
- Soft Landscaping
- Assumed Banking
- Footpath Dimensions

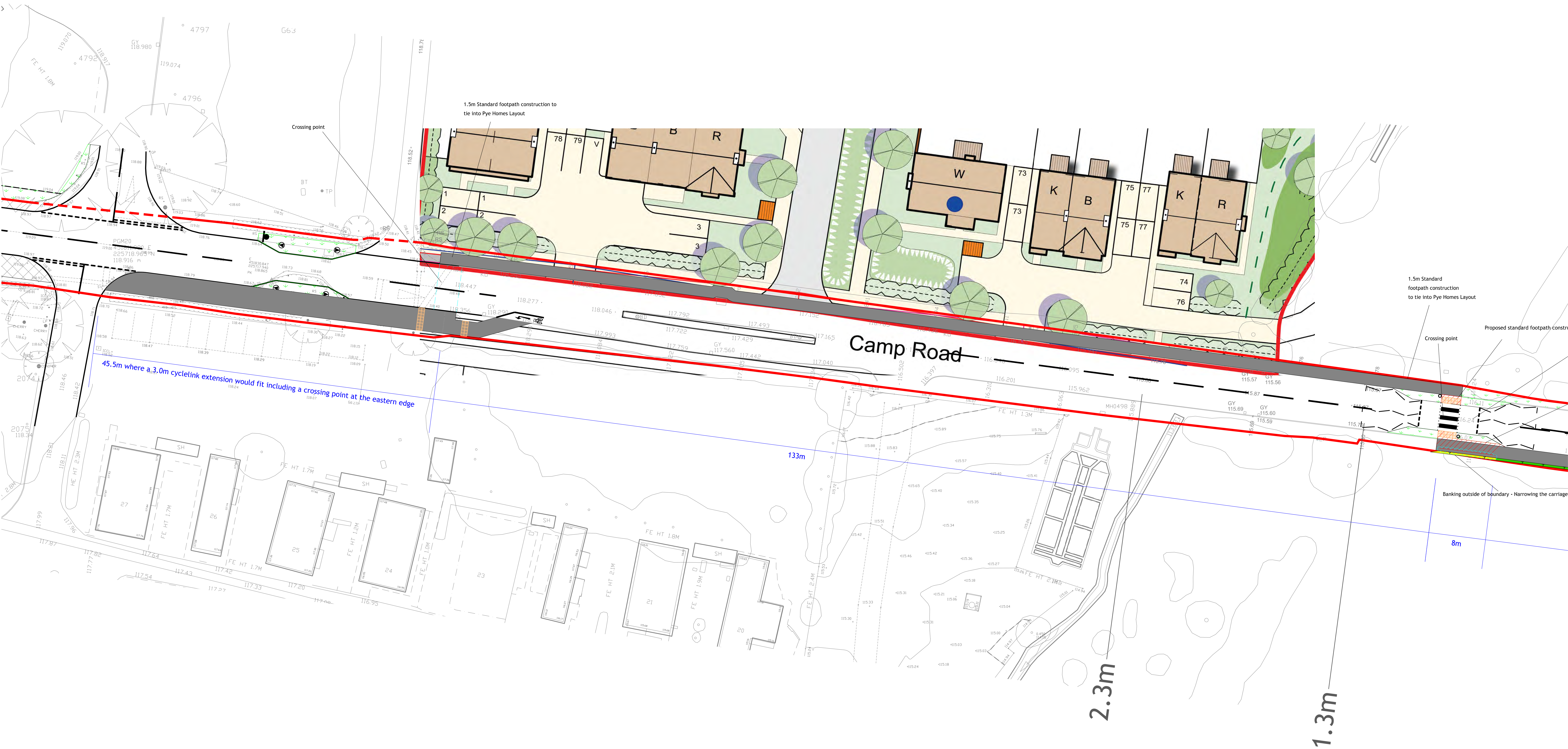
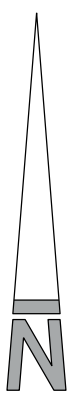
B	Cycle lane separation removed. Additional narrowing added	AT	AT	09.09.20
A	On-carriageway cycle lane markings added	JGF	JGF	21.08.20
REV	DESCRIPTION	DRN	CHD	DATE
PRELIMINARY	INFORMATION			TENDER
CONSTRUCTION	AS BUILT			
SCALE	1:200 @ A0	DATE	JULY 2020	
DRAWN	NK	CHK	JGF	
DRAWING NO.	16871-SK380	REV	B	
TITLE	CAMP ROAD UPPER HEYFORD			
DETAILS	POSSIBLE FOOTPATH SECTION 278 WORKS ON CAMP ROAD EAST			

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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS DRAWING



- NOTES
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SAFETY, HEALTH AND ENVIRONMENTAL

In addition to the hazards, risks normally associated with the type of work detailed on this drawing, note the following significant risks and information.

Construction:

- Proximity of works to a live carriageway
- Possible presence of existing services
- Protection of trees and hedges

For information relating to end use, maintenance, demolition, see the health and safety file.

It is assumed that all works will be carried out by a competent Contractor, where appropriate, to an approved method statement.

- KEY
- Highway Boundary Limits
 - Possible Future Footpath
 - Banking
 - Banking outside of boundary
 - Proposed Footpath
 - Soft Landscaping
 - Assumed Banking
 - Footpath Dimensions

B	Cycle lane separation removed		AT	AT	09.09.20
A	Cycleway markings and zebra crossing added		JGF	JGF	21.08.20
REV	DESCRIPTION		DRN	CHD	DATE
<input checked="" type="checkbox"/>	PRELIMINARY	<input type="checkbox"/> INFORMATION	<input type="checkbox"/> TENDER		
<input type="checkbox"/>	CONSTRUCTION	<input type="checkbox"/> AS BUILT			
SCALE	1:200 @ A0	DATE	JULY 2020		
DRAWN	NK	CHK	JGF		
DRAWING NO.	16871-SK381	REV	B		
TITLE	CAMP ROAD UPPER HEYFORD				
DETAILS	POSSIBLE FOOTPATH SECTION 278 WORKS ON CAMP ROAD EAST				

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APPENDIX B

Collision Data

Accidents between dates **01/01/2017 and 28/06/2022** (66) months

Selection: **Notes:**

Selected using Manual Selection

Wednesday 08/01/2020 Time 0743 Serious at CAMP ROADBY J/W IZZARD ROAD UPPER HEYFORD

E: 450656 N: 225871 Junction Detail: 3 Control 4

Fine without high winds Road surface Wet/Damp Daylight

Vehicle Reference 1 Car Moving from W to E Going ahead other

Casualty Reference: 1 Age: 11 Female Pedestrian Severity: Serious Injured by vehicle: 1

Thursday 27/08/2020 Time 2029 Serious at CAMP ROAD APPROX 200M W OF J/W WELLINGTON ROAD UPPER HEYFORD

E: 451298 N: 225788 Junction Detail: 0 Control

Fine without high winds Road surface Wet/Damp Daylight

Vehicle Reference 1 Car Moving from E to W Going ahead other

Casualty Reference: 1 Age: 22 Male Driver/rider Severity: Serious Injured by vehicle: 1

Friday 11/12/2020 Time 1240 Serious at CAMP ROAD AT TRAFFIC CALMING NARROWING 20M W OF KIRTLINGTON ROAD UPPER HEYFORD

E: 450207 N: 225925 Junction Detail: 0 Control

Fine without high winds Road surface Wet/Damp Daylight

Vehicle Reference 1 Car Moving from W to E Going ahead other

Vehicle Reference 2 Pedal Cycle Moving from E to W Going ahead other

Casualty Reference: 1 Age: 39 Male Driver/rider Severity: Serious Injured by vehicle: 2

Accidents between dates 01/01/2017 and 28/06/2022 (66) months
Selection: Notes:
Selected using Manual Selection

Thursday 27/05/2021 Time 1549 Slight at CAMP ROAD J/W HEYFORD FREE SCHOOL ENTRANCE UPPER HEYFORD
E: 451538 N: 225760 Junction Detail: 3 Control 4
Fine without high winds Road surface Dry Daylight
Vehicle Reference 1 Car Moving from W to E Going ahead other
Casualty Reference: 1 Age: 11 Male Pedestrian Severity: Slight Injured by vehicle: 1

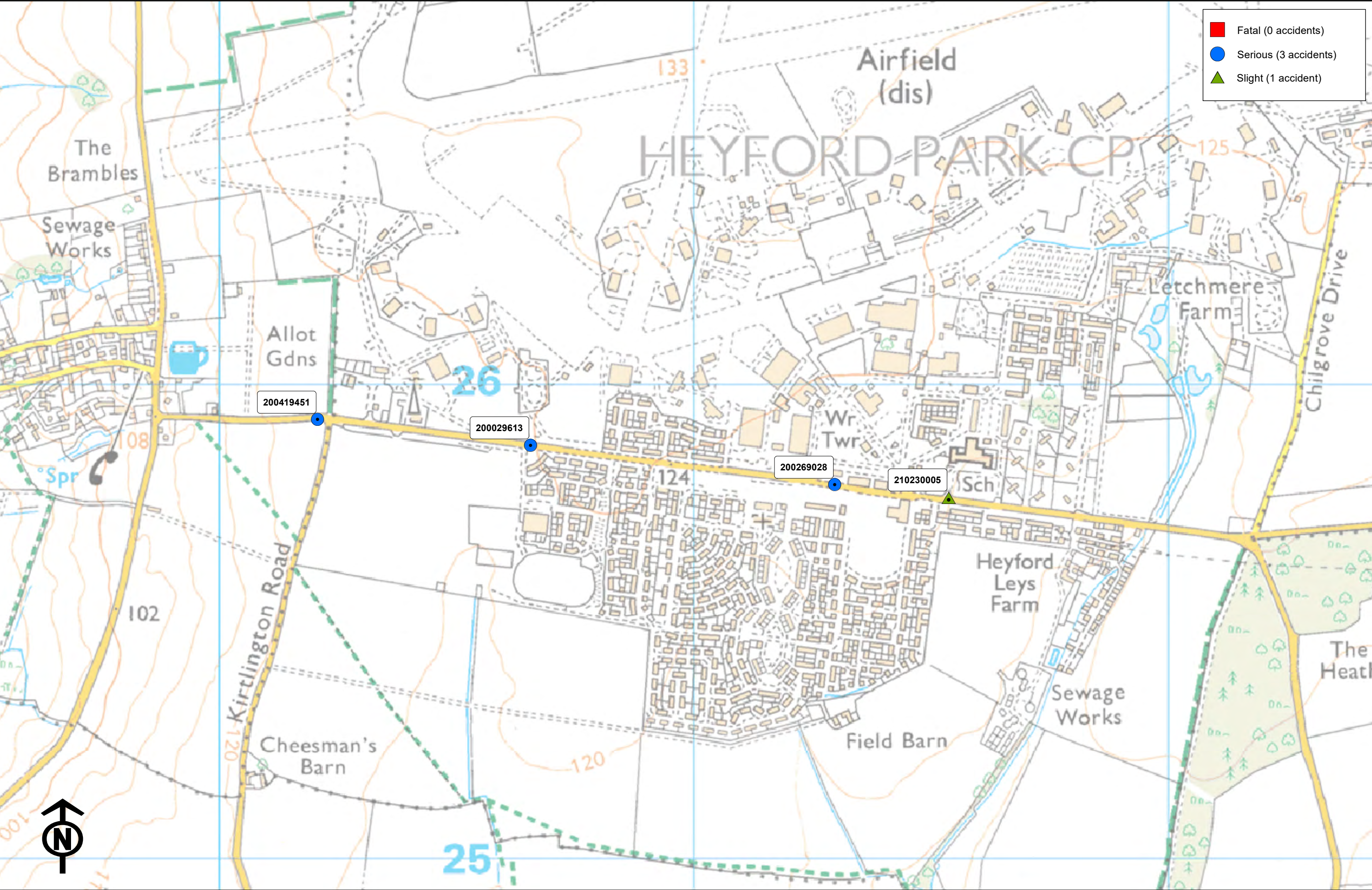
Accidents involving:

	Fatal	Serious	Slight	Total
Motor vehicles only (excluding 2-wheels)	0	2	1	3
2-wheeled motor vehicles	0	0	0	0
Pedal cycles	0	1	0	1
Horses & other	0	0	0	0
Total	0	3	1	4

Casualties:

	Fatal	Serious	Slight	Total
Vehicle driver	0	1	0	1
Passenger	0	0	0	0
Motorcycle rider	0	0	0	0
Cyclist	0	1	0	1
Pedestrian	0	1	1	2
Other	0	0	0	0
Total	0	3	1	4

Number of casualties meeting the criteria: 4



APPENDIX C

Consented Site Access

Visibility Splay to the west - 2.4m x 43m
Visibility Splay to the east - 2.4m x 43m
Access width - 5.5m
Junction radii - 6m

Potential pedestrian & cycle connection

1.5m wide footpath - For full details of proposed footway please see Woods Hardwick drawing 16871-SK381

Posts

Camp Road

Speed Calming
Feature to be removed

Proposed hardstanding
for bus stop

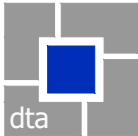
Sewage Works



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REV	DESCRIPTION	DRAWN	INITIALS	DATE	DRAWING STATUS	CHECKED BY	DATE



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www.dtatransportation.co.uk

JOB TITLE 16413 : CAMP ROAD		CLIENT PYE HOMES	
DRAWING TITLE LETCHMERE FARM CAMP ROAD PROPOSED SITE ACCESS			
SCALE 1:500@A3	DRAWN BY DN	DATE SEPT 21	DRAWING No 16413-01
REVISION C			

APPENDIX D

Automatic Traffic Count Survey Data

Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.

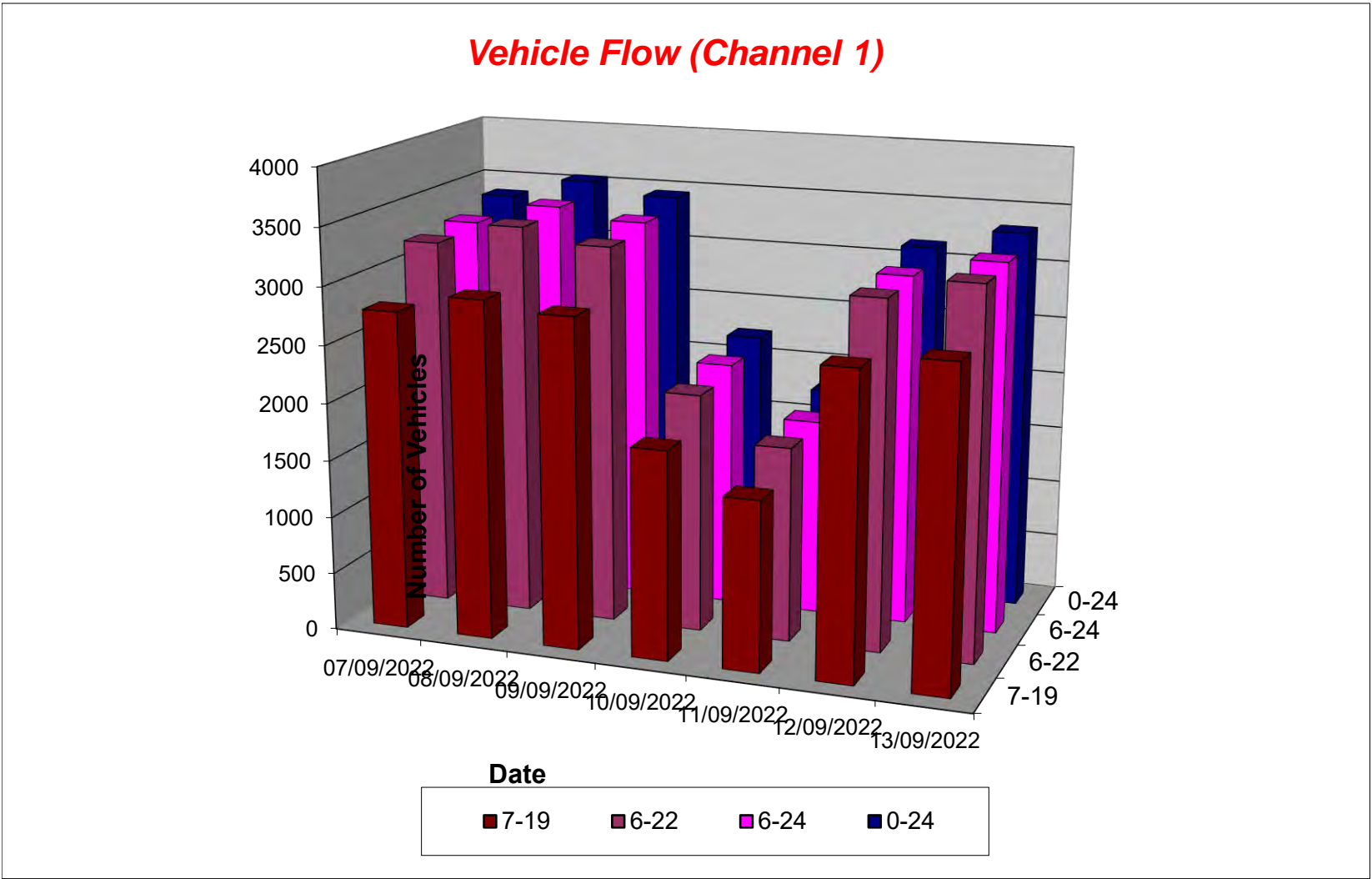


Channel 1 - Eastbound

Vehicle Flow

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5 Day Ave	7 Day Ave
1	8	6	7	14	13	10	3	7	9
2	6	3	7	11	13	0	3	4	6
3	6	5	2	12	8	2	4	4	6
4	10	11	12	7	13	7	11	10	10
5	22	17	13	11	6	12	14	16	14
6	57	58	51	13	17	60	64	58	46
7	170	158	161	53	35	162	190	168	133
8	331	310	288	72	46	314	312	311	239
9	327	392	376	149	79	313	366	355	286
10	181	183	202	195	143	163	200	186	181
11	182	173	198	169	195	153	148	171	174
12	152	166	167	200	191	183	153	164	173
13	173	176	197	191	152	128	162	167	168
14	180	203	188	181	141	152	162	177	172
15	209	196	214	160	121	208	211	208	188
16	271	284	303	135	110	253	250	272	229
17	298	327	261	112	89	310	328	305	246
18	303	331	280	128	105	281	272	293	243
19	172	199	188	123	106	179	191	186	165
20	143	150	141	95	91	116	121	134	122
21	80	112	73	71	61	68	91	85	79
22	45	45	50	47	34	46	48	47	45
23	24	27	39	45	16	20	18	26	27
24	17	14	30	29	4	7	3	14	15
7-19	2779	2940	2862	1815	1478	2637	2755	2795	2467
6-22	3217	3405	3287	2081	1699	3029	3205	3229	2846
6-24	3258	3446	3356	2155	1719	3056	3226	3268	2888
0-24	3367	3546	3448	2223	1789	3147	3325	3367	2978



Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound				Average Speed			Week 1
Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	37.1	33.0	36.6	33.7	32.8	34.5	31.3
2	35.5	28.0	35.9	32.1	33.0	-	29.7
3	36.8	35.5	46.8	32.8	37.4	30.5	42.4
4	41.8	42.5	41.5	36.6	34.2	40.9	36.2
5	37.4	36.7	34.7	36.9	29.7	36.3	36.9
6	35.9	35.5	36.9	36.8	32.7	35.6	35.3
7	35.1	35.5	35.7	34.3	34.4	35.0	35.4
8	34.4	35.0	34.7	35.5	34.3	35.3	35.1
9	34.1	33.1	33.2	36.3	36.1	34.3	32.8
10	33.4	33.3	33.5	34.7	34.0	33.4	33.4
11	34.0	32.6	35.0	35.0	34.7	35.4	33.8
12	32.8	33.5	35.1	34.2	34.6	33.9	33.1
13	32.7	33.1	34.4	35.0	34.6	35.0	33.4
14	34.4	32.3	35.6	34.3	35.2	33.5	34.1
15	34.7	34.2	34.2	36.4	35.4	33.4	33.8
16	34.0	33.6	35.1	34.9	35.2	33.6	34.6
17	34.8	34.5	34.7	33.9	35.9	35.0	35.1
18	34.6	34.1	34.8	36.4	35.6	34.5	34.6
19	34.9	35.1	34.6	36.5	35.1	34.6	35.0
20	35.3	33.9	34.5	35.4	34.3	34.6	34.7
21	34.3	32.4	32.9	33.0	35.0	32.4	33.5
22	33.6	35.2	34.1	32.6	33.6	33.3	36.4
23	35.5	36.2	33.7	34.4	35.3	35.2	33.6
24	34.6	34.1	36.1	31.8	43.6	33.0	41.3
10-12	33.5	33.0	35.0	34.5	34.6	34.6	33.5
14-16	34.3	33.8	34.7	35.7	35.3	33.5	34.2
0-24	34.3	33.9	34.6	35.0	34.9	34.4	34.3

7 Day Ave	34.5
-----------	------

85th Percentile

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	48.7	48.6	44.0	38.7	38.9	43.7	33.3
2	43.5	33.3	43.4	33.9	43.7	-	33.2
3	56.1	55.8	55.8	43.8	38.5	38.9	56.0
4	48.3	56.3	48.2	48.0	38.4	48.5	43.3
5	48.3	43.8	43.2	48.5	48.1	43.1	43.3
6	43.8	43.6	48.6	48.9	38.8	43.8	38.0
7	43.0	44.0	43.4	43.4	43.5	43.4	43.5
8	38.8	38.9	38.4	43.7	38.8	43.5	43.2
9	38.8	38.2	38.7	43.5	43.6	38.5	38.9
10	38.7	38.7	38.3	43.5	43.8	38.2	38.6
11	38.0	39.0	43.6	43.5	43.0	43.3	38.8
12	38.4	38.2	43.2	38.4	38.2	38.1	38.9
13	38.9	38.5	43.2	43.4	38.1	43.6	38.3
14	43.8	38.1	43.6	38.3	43.1	38.2	38.5
15	43.4	39.0	43.1	43.1	43.3	38.9	38.1
16	39.0	38.7	43.5	38.2	43.1	38.1	43.6
17	38.9	38.0	38.9	44.0	43.0	43.4	38.4
18	43.1	38.6	43.3	43.1	43.5	43.3	39.0
19	38.9	43.1	38.8	43.4	43.7	43.9	43.1
20	43.4	38.1	43.4	43.4	43.5	43.8	38.9
21	43.5	38.8	38.3	38.5	43.8	38.3	38.6
22	43.8	38.3	38.9	43.2	43.1	38.7	43.3
23	43.1	43.0	38.6	43.5	38.2	43.3	38.1
24	43.6	38.3	43.6	38.3	56.2	43.1	43.5
10-12	38.5	38.4	43.4	43.6	43.5	38.0	38.2
14-16	38.3	38.3	43.1	43.5	43.4	38.3	39.0
0-24	38.6	38.9	43.6	43.2	43.1	43.8	38.1

7 Day Ave	41.3
-----------	------

Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



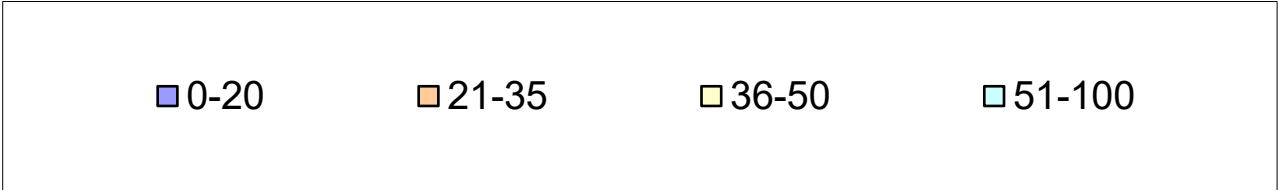
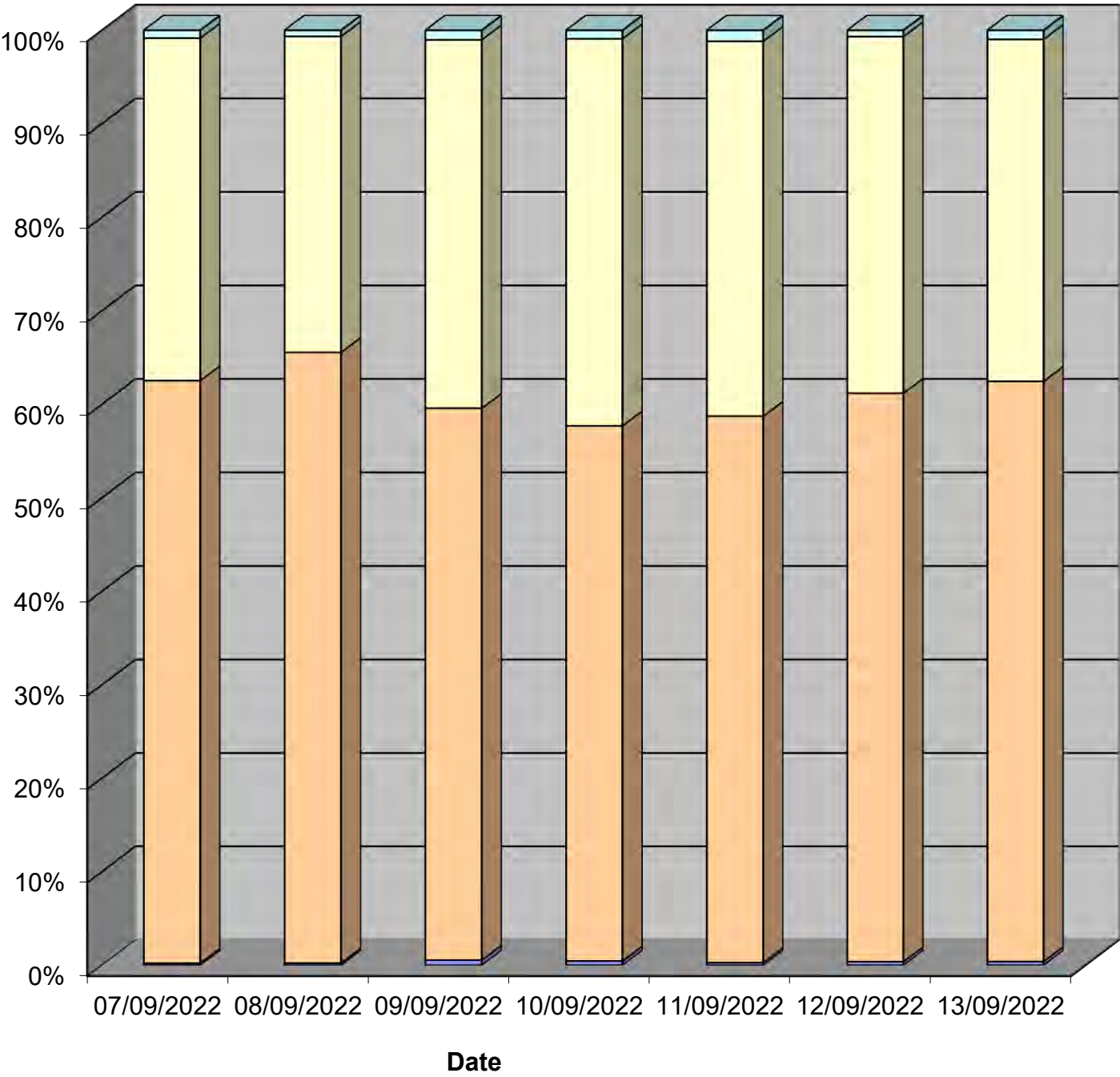
Channel 1 - Eastbound

Speed Summary

Week 1

Speed (MPH)	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
0-20	7	8	19	10	5	12	13
21-35	2099	2317	2036	1273	1046	1914	2064
36-50	1233	1198	1358	920	717	1200	1216
51-100	28	23	35	20	21	21	32
TOTAL	3367	3546	3448	2223	1789	3147	3325

Speed Summary (MPH)



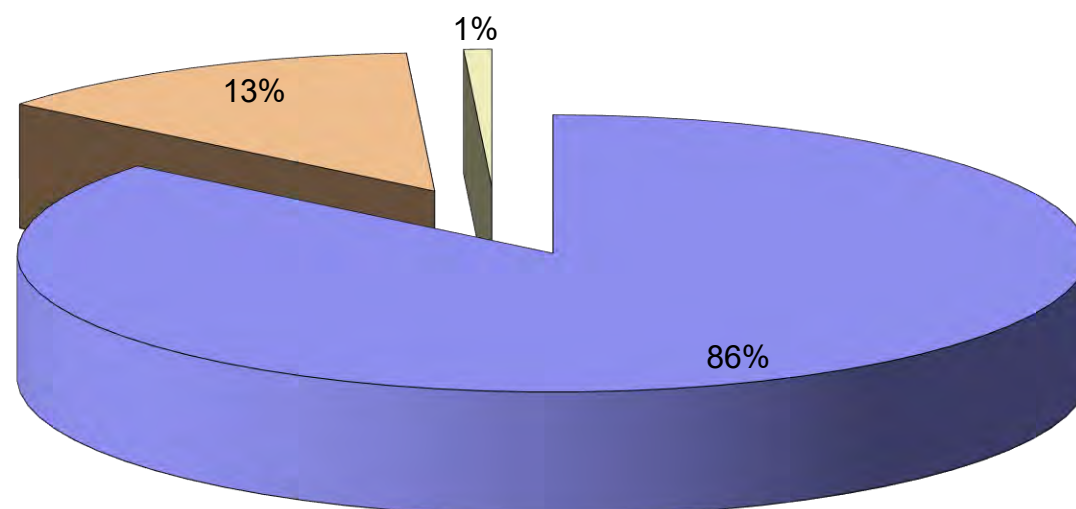
Produced by Streetwise Services Ltd.



Vehicle Class

Week 1

Total Vehicle Class Distribution



Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.

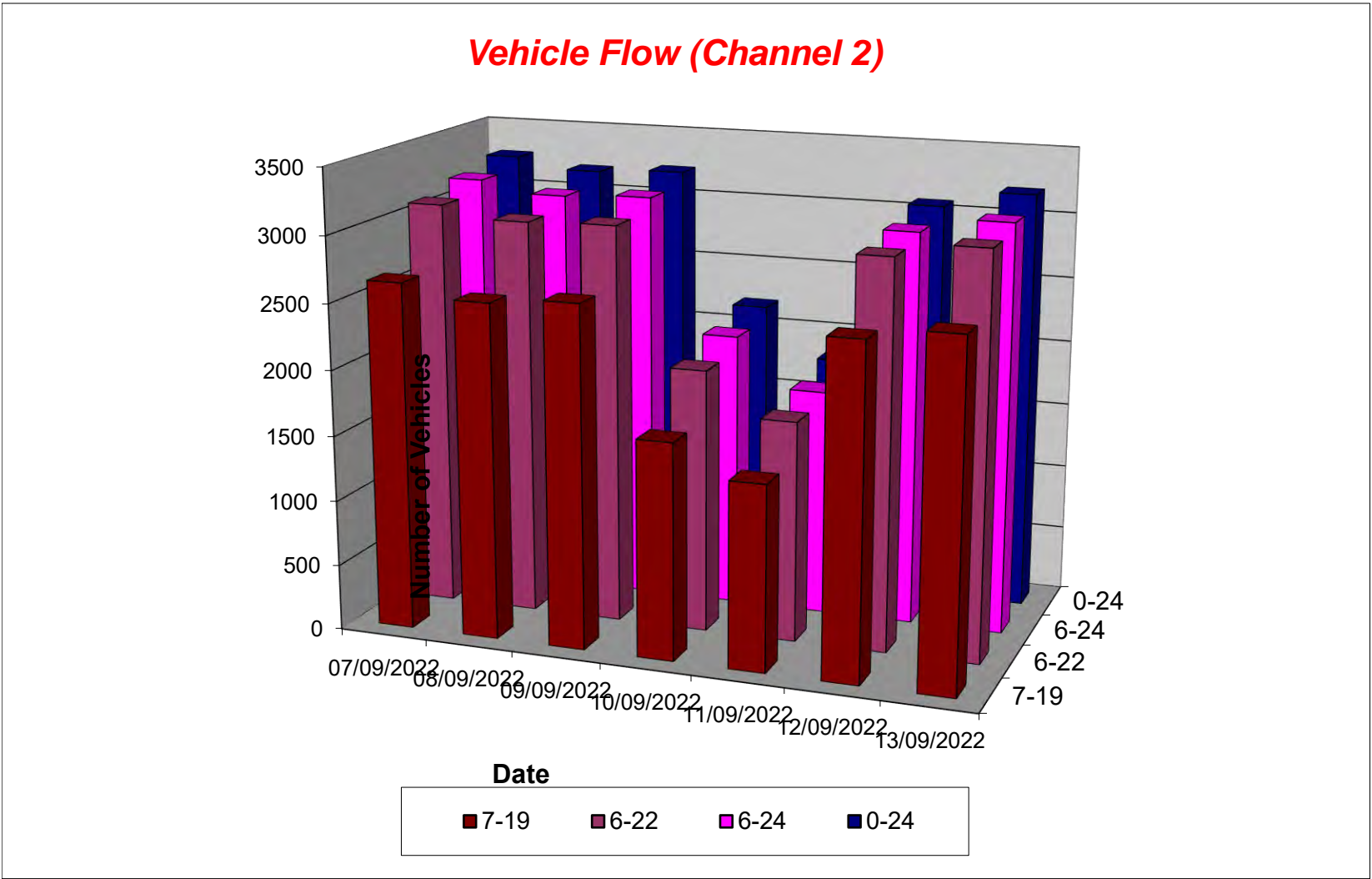


Channel 2 - Westbound

Vehicle Flow

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5 Day Ave	7 Day Ave
1	14	11	16	26	23	8	9	12	15
2	8	10	11	14	16	3	6	8	10
3	4	4	4	18	16	4	5	4	8
4	3	4	4	7	7	3	5	4	5
5	11	12	5	5	8	11	11	10	9
6	40	43	47	15	10	44	53	45	36
7	113	115	112	35	25	119	115	115	91
8	285	299	271	38	21	265	281	280	209
9	343	362	309	70	40	333	342	338	257
10	194	167	198	101	64	196	172	185	156
11	144	140	144	137	130	108	139	135	135
12	144	137	153	146	126	148	135	143	141
13	153	155	183	154	162	172	139	160	160
14	159	145	182	156	148	160	174	164	161
15	192	220	172	166	154	193	181	192	183
16	214	200	242	167	151	195	218	214	198
17	239	223	233	172	146	241	275	242	218
18	327	277	289	188	135	273	290	291	254
19	253	225	223	152	134	224	252	235	209
20	153	155	146	123	121	146	127	145	139
21	115	114	103	123	75	102	118	110	107
22	75	83	74	78	51	71	95	80	75
23	56	50	61	60	37	35	42	49	49
24	26	33	33	41	16	17	16	25	26
7-19	2647	2550	2599	1647	1411	2508	2598	2580	2280
6-22	3103	3017	3034	2006	1683	2946	3053	3031	2692
6-24	3185	3100	3128	2107	1736	2998	3111	3104	2766
0-24	3265	3184	3215	2192	1816	3071	3200	3187	2849



Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

Average Speed

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	35.1	33.5	33.6	32.8	33.8	32.4	31.9
2	31.1	28.5	34.8	33.0	33.3	33.0	29.7
3	34.2	31.8	33.0	34.9	30.5	36.8	33.0
4	38.0	34.2	34.2	34.4	41.9	31.3	33.0
5	35.3	37.2	33.0	32.0	32.4	37.1	37.5
6	34.8	32.9	36.1	33.3	35.0	35.4	34.8
7	33.1	33.1	34.4	35.1	35.2	33.4	33.3
8	30.8	29.2	31.5	36.7	36.3	32.1	31.4
9	31.8	28.2	30.0	32.7	34.1	29.9	30.0
10	31.7	33.0	32.0	34.0	33.5	32.3	31.6
11	31.8	32.1	31.8	32.9	33.1	32.4	32.0
12	32.2	32.5	33.1	32.8	33.0	32.1	33.0
13	32.9	32.6	33.5	34.0	32.5	31.8	33.5
14	32.7	33.1	32.3	33.2	33.3	32.6	33.0
15	32.7	32.4	33.2	33.3	33.1	32.1	33.4
16	32.7	32.3	32.9	33.4	34.0	31.5	32.4
17	32.0	31.8	31.8	32.8	33.8	33.2	31.8
18	32.4	32.0	32.5	33.6	33.9	32.2	32.0
19	32.3	33.0	33.5	33.5	33.1	31.6	32.5
20	33.2	32.7	32.7	33.9	33.5	32.3	32.3
21	31.8	29.5	31.3	31.4	31.5	31.8	30.7
22	31.6	32.7	32.5	31.2	32.1	32.3	32.0
23	31.0	31.4	31.4	32.5	31.9	32.6	33.3
24	34.9	31.9	30.7	31.0	33.9	34.8	35.2

10-12	32.0	32.3	32.5	32.9	33.0	32.2	32.5
14-16	32.7	32.4	33.0	33.4	33.5	31.8	32.9
0-24	32.2	31.6	32.3	33.2	33.3	32.1	32.1

7 Day Ave	32.4
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85th Percentile

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	43.0	38.4	38.0	38.1	38.5	33.3	38.7
2	38.3	33.3	38.7	38.6	38.2	38.6	33.8
3	38.5	43.3	38.5	43.3	38.2	48.8	38.3
4	38.9	38.2	38.6	43.1	65.8	38.5	38.7
5	43.5	38.5	48.2	43.2	38.8	43.2	48.4
6	38.4	38.2	43.5	38.1	38.1	43.9	43.8
7	38.8	38.6	38.7	38.4	43.5	38.4	38.7
8	38.8	38.4	38.8	44.0	43.8	38.3	38.4
9	38.7	33.9	33.4	38.5	38.8	33.8	38.1
10	38.7	38.5	38.9	38.5	38.3	38.2	38.4
11	39.0	38.2	38.7	39.0	39.0	38.4	38.3
12	38.3	38.7	38.1	38.2	38.8	38.2	38.7
13	38.5	38.7	38.6	38.4	38.7	38.9	38.3
14	38.4	38.6	38.7	38.4	38.9	38.6	38.8
15	38.7	38.8	38.0	38.3	38.9	38.4	38.2
16	38.2	38.2	38.4	38.5	38.4	33.4	38.6
17	38.4	38.8	38.4	38.1	38.1	38.9	39.0
18	38.5	38.2	38.3	38.5	39.0	38.6	38.2
19	38.8	39.0	39.0	39.0	38.8	33.9	38.9
20	38.5	38.1	38.8	38.6	38.7	38.5	38.1
21	38.4	33.1	33.7	38.9	38.4	38.3	34.0
22	38.5	38.8	38.4	33.7	38.0	38.9	38.6
23	38.2	33.4	38.7	38.4	38.2	38.3	38.6
24	38.6	38.5	33.3	33.7	38.2	38.3	38.9

10-12	38.5	38.1	38.4	38.1	38.5	38.2	38.6
14-16	38.7	38.1	38.4	38.8	38.4	38.3	38.2
0-24	38.9	38.2	38.9	38.7	38.1	38.0	38.9

7 Day Ave	38.5
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Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



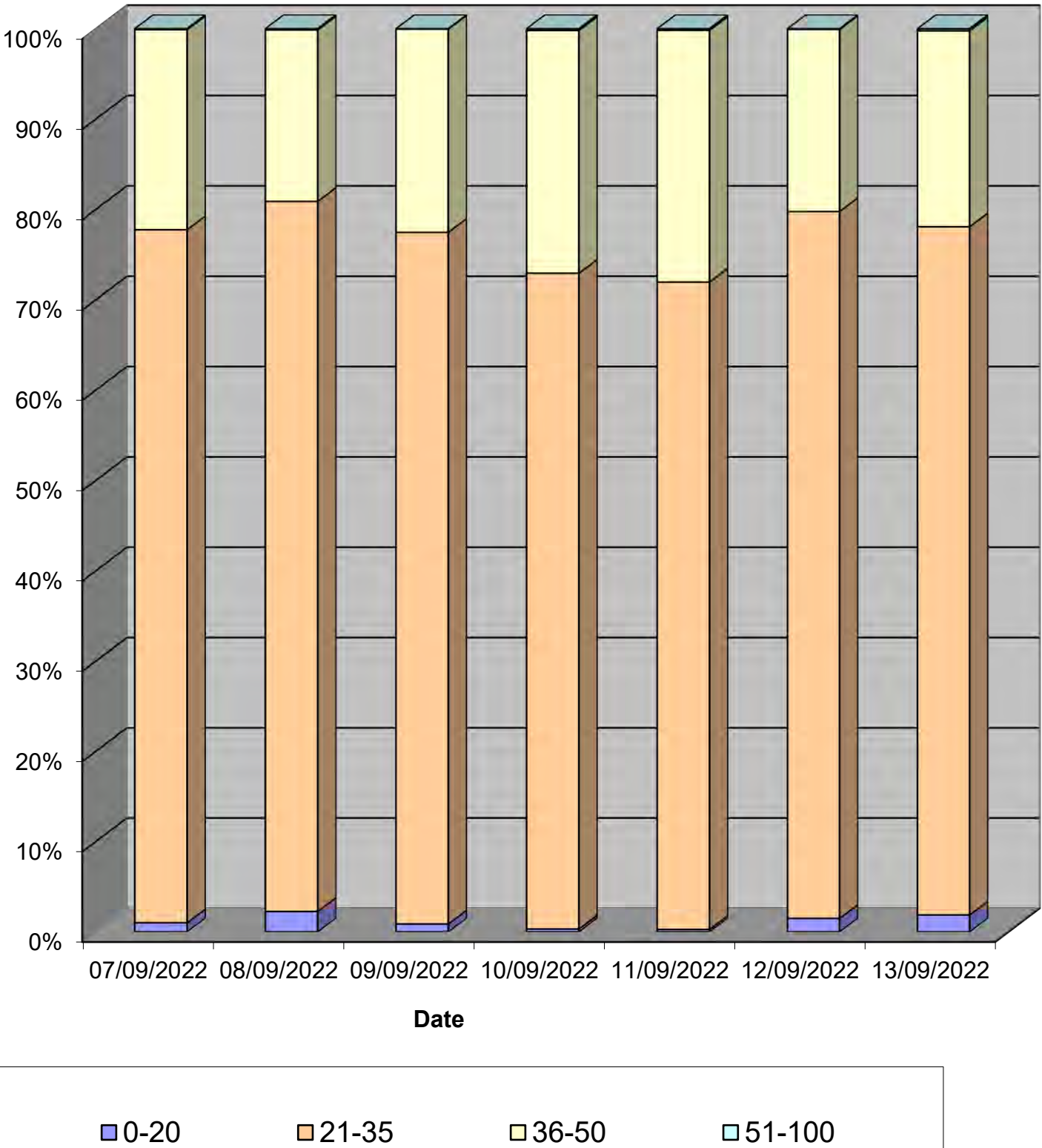
Channel 2 - Westbound

Speed Summary

Week 1

Speed (MPH)	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
0-20	33	72	28	7	5	46	60
21-35	2506	2504	2463	1592	1302	2404	2439
36-50	723	604	723	589	506	619	694
51-100	3	4	1	4	3	2	7
TOTAL	3265	3184	3215	2192	1816	3071	3200

Speed Summary (MPH)



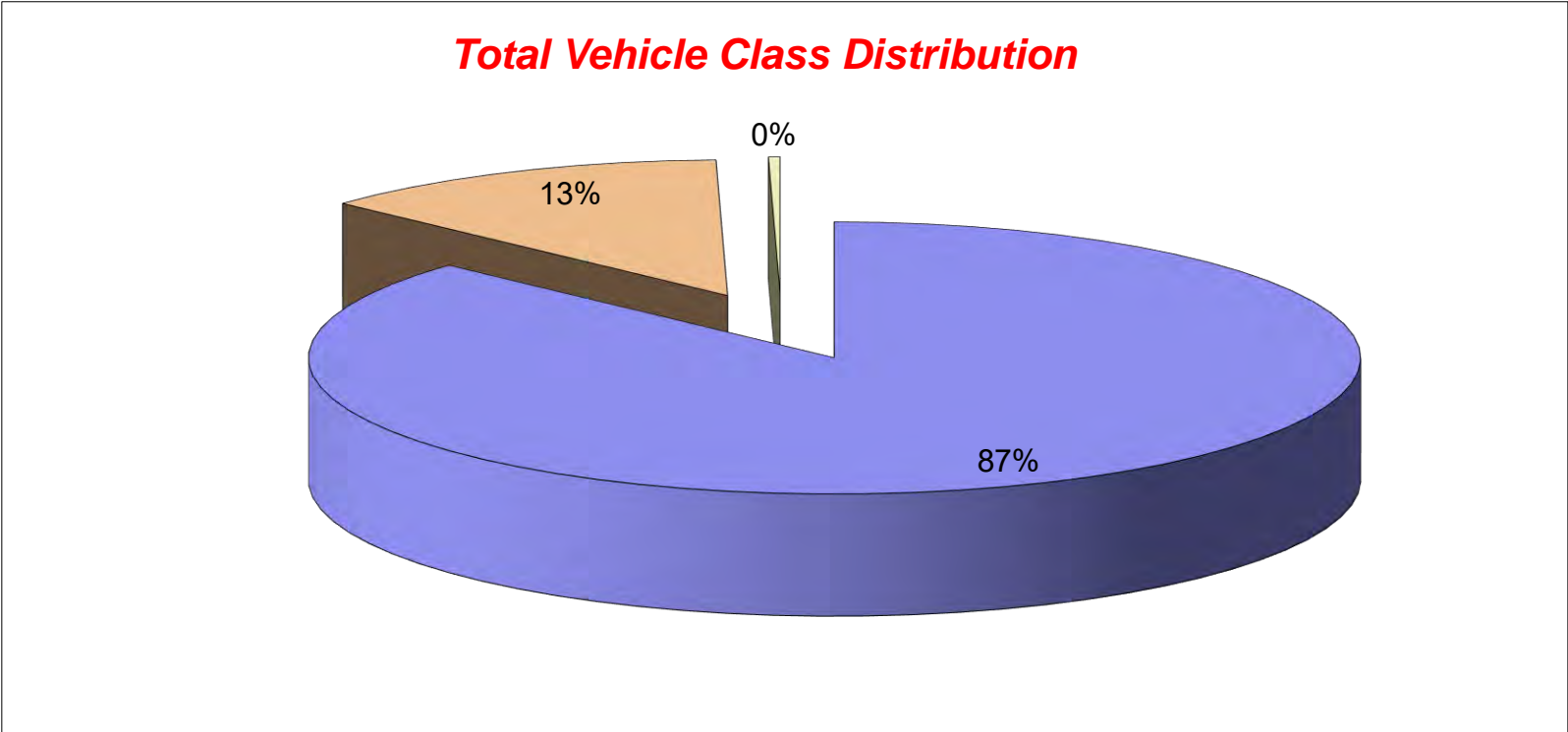
Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound Vehicle Class Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/09/2022				
7-19	2221	416	10	2647
6-22	2626	466	11	3103
6-24	2703	471	11	3185
0-24	2770	482	13	3265
08/09/2022				
7-19	2219	321	10	2550
6-22	2656	349	12	3017
6-24	2730	358	12	3100
0-24	2800	371	13	3184
09/09/2022				
7-19	2266	323	10	2599
6-22	2667	357	10	3034
6-24	2755	363	10	3128
0-24	2829	375	11	3215
10/09/2022				
7-19	1499	144	4	1647
6-22	1829	173	4	2006
6-24	1924	179	4	2107
0-24	1998	188	6	2192
11/09/2022				
7-19	1281	127	3	1411
6-22	1529	150	4	1683
6-24	1580	152	4	1736
0-24	1647	164	5	1816
12/09/2022				
7-19	2073	423	12	2508
6-22	2461	473	12	2946
6-24	2513	473	12	2998
0-24	2575	484	12	3071
13/09/2022				
7-19	2171	417	10	2598
6-22	2585	458	10	3053
6-24	2639	462	10	3111
0-24	2709	480	11	3200
Average				
7-19	1961	310	8	2280
6-22	2336	347	9	2692
6-24	2406	351	9	2766
0-24	2475	363	10	2849



Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3367	3546	3448	2223	1789	3147	3325	3367	2978
Mean Speed	34.3	33.9	34.6	35.0	34.9	34.4	34.3	34.3	34.5
85%ile Speed	38.6	38.9	43.6	43.2	43.1	43.8	38.1	40.6	41.3
No. Vehicles > 30 MPH Limit	2541	2578	2628	1716	1378	2326	2476	2510	2235
% Vehicles > 30 MPH Limit	75.5	72.7	76.2	77.2	77.0	73.9	74.5	74.6	75.3
No. Vehicles > 45 MPH	105	101	134	115	86	119	122	116	112
% Vehicles > 45 MPH	3.1	2.8	3.9	5.2	4.8	3.8	3.7	3.5	3.9

Channel 2 - Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3265	3184	3215	2192	1816	3071	3200	3187	2849
Mean Speed	32.2	31.6	32.3	33.2	33.3	32.1	32.1	32.1	32.4
85%ile Speed	38.9	38.2	38.9	38.7	38.1	38.0	38.9	38.6	38.5
No. Vehicles > 30 MPH Limit	2129	1923	2126	1596	1328	1973	2062	2043	1877
% Vehicles > 30 MPH Limit	65.2	60.4	66.1	72.8	73.1	64.2	64.4	64.1	66.6
No. Vehicles > 45 MPH	25	19	22	14	23	21	26	23	21
% Vehicles > 45 MPH	0.8	0.6	0.7	0.6	1.3	0.7	0.8	0.7	0.8

Channels 1+2 - Eastbound & Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	6632	6730	6663	4415	3605	6218	6525	6554	5827
Mean Speed	33.3	32.8	33.5	34.1	34.1	33.3	33.2	33.2	33.4
85%ile Speed	38.8	38.6	41.3	41.0	40.6	40.9	38.5	39.6	39.9
No. Vehicles > 30 MPH Limit	4670	4501	4754	3312	2706	4299	4538	4552	4111
% Vehicles > 30 MPH Limit	70.4	66.9	71.3	75.0	75.1	69.1	69.5	69.5	71.1
No. Vehicles > 45 MPH	130	120	156	129	109	140	148	139	133
% Vehicles > 45 MPH	2.0	1.8	2.3	2.9	3.0	2.3	2.3	2.1	2.4

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer
1	Light Goods Vehicle	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic, 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

Upper Hayford ATC 3, Camp Road (east)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	2108	2186	2243	1762	1470	1929	2047	2103	1964
Mean Speed	35.2	34.3	35.8	34.6	34.7	34.4	34.9	34.9	34.9
85%ile Speed	43.4	41.8	43.3	42.2	42.5	41.6	40.5	42.1	42.2
No. Vehicles > 30 MPH Limit	1571	1532	1705	1336	1115	1372	1491	1534	1446
% Vehicles > 30 MPH Limit	74.5	70.1	76.0	75.8	75.9	71.1	72.8	72.9	73.8
No. Vehicles > 45 MPH	76	70	102	91	64	70	90	82	80
% Vehicles > 45 MPH	3.6	3.2	4.5	5.2	4.4	3.6	4.4	3.9	4.1

Channel 2 - Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	2071	2023	2113	1724	1474	1959	2012	2036	1911
Mean Speed	33.2	32.5	33.0	33.1	33.5	33.0	32.9	32.9	33.0
85%ile Speed	39.0	38.0	38.8	38.7	40.1	38.8	38.8	38.7	38.9
No. Vehicles > 30 MPH Limit	1388	1327	1452	1251	1054	1274	1359	1360	1301
% Vehicles > 30 MPH Limit	67.0	65.6	68.7	72.6	71.5	65.0	67.5	66.8	68.3
No. Vehicles > 45 MPH	22	16	20	13	15	14	23	19	18
% Vehicles > 45 MPH	1.1	0.8	0.9	0.8	1.0	0.7	1.1	0.9	0.9

Channels 1+2 - Eastbound & Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	4179	4209	4356	3486	2944	3888	4059	4138	3874
Mean Speed	34.2	33.4	34.4	33.9	34.1	33.7	33.9	33.9	33.9
85%ile Speed	41.2	39.9	41.1	40.5	41.3	40.2	39.7	40.4	40.5
No. Vehicles > 30 MPH Limit	2959	2859	3157	2587	2169	2646	2850	2894	2747
% Vehicles > 30 MPH Limit	70.8	67.9	72.5	74.2	73.7	68.1	70.2	69.9	71.1
No. Vehicles > 45 MPH	98	86	122	104	79	84	113	101	98
% Vehicles > 45 MPH	2.3	2.0	2.8	3.0	2.7	2.2	2.8	2.4	2.5

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.

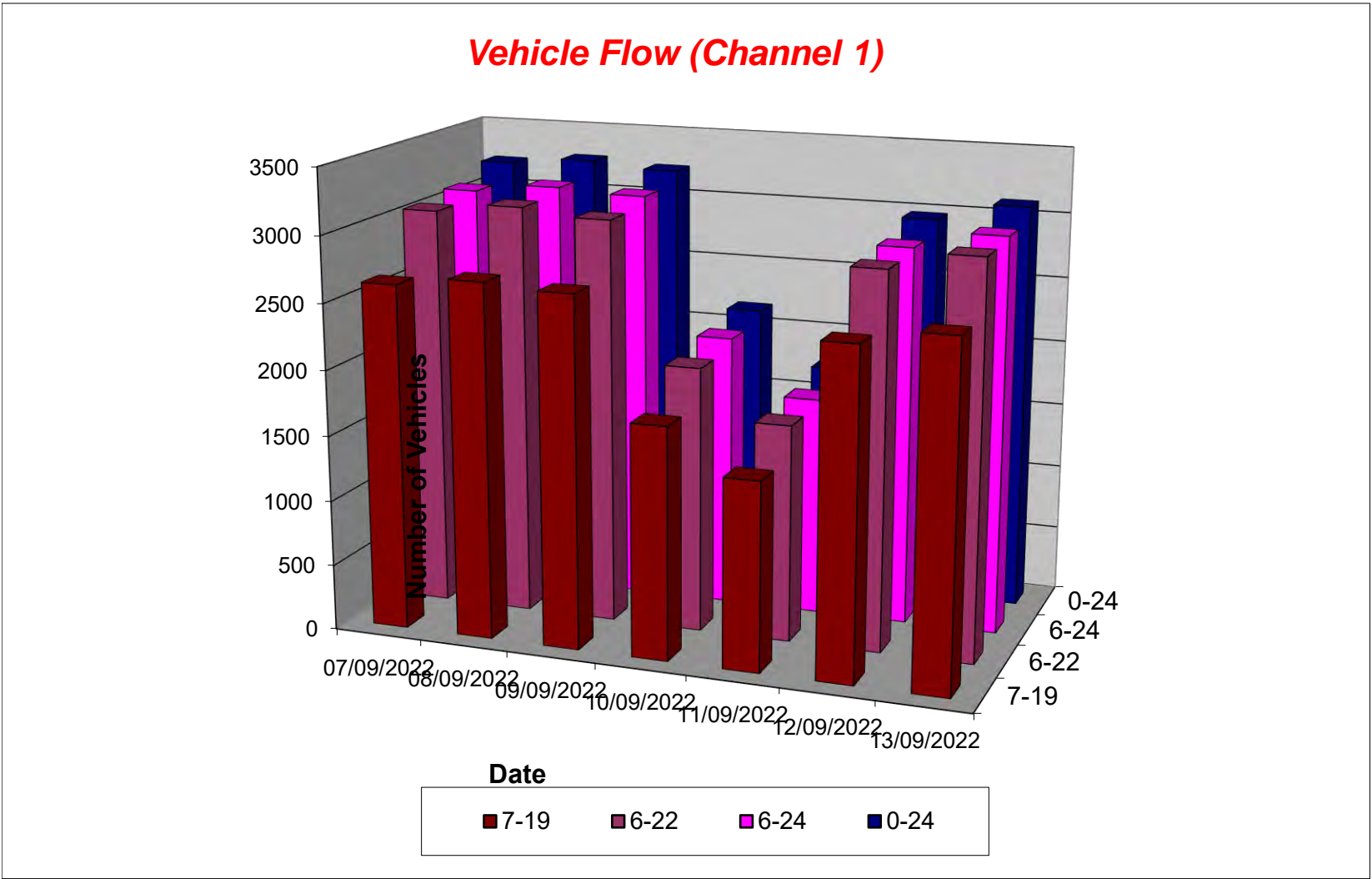


Channel 1 - Eastbound

Vehicle Flow

Week 1

	07/09/2022	08/09/2022	09/09/2022	10/09/2022	11/09/2022	12/09/2022	13/09/2022		
Hr Ending	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	5 Day Ave	7 Day Ave
1	8	5	9	14	13	9	3	7	9
2	8	7	6	11	11	0	1	4	6
3	6	3	1	11	9	2	4	3	5
4	11	12	12	7	13	7	11	11	10
5	23	18	13	12	10	11	14	16	14
6	61	57	46	13	17	60	63	57	45
7	169	146	155	52	34	160	172	160	127
8	312	280	265	73	46	288	289	287	222
9	304	339	345	143	78	276	323	317	258
10	168	170	182	193	136	163	193	175	172
11	175	162	192	163	191	144	140	163	167
12	143	159	161	195	183	175	147	157	166
13	169	165	187	189	143	123	157	160	162
14	176	195	174	175	139	152	153	170	166
15	201	192	203	154	118	203	201	200	182
16	248	266	282	133	110	241	240	255	217
17	290	295	254	103	89	288	317	289	234
18	287	301	255	125	103	261	246	270	225
19	160	178	169	120	99	162	183	170	153
20	133	141	136	92	93	114	110	127	117
21	80	99	69	68	60	63	79	78	74
22	42	39	47	47	34	44	43	43	42
23	24	23	34	39	17	19	17	23	25
24	19	16	28	29	4	7	3	15	15
7-19	2633	2702	2669	1766	1435	2476	2589	2614	2324
6-22	3057	3127	3076	2025	1656	2857	2993	3022	2684
6-24	3100	3166	3138	2093	1677	2883	3013	3060	2724
0-24	3217	3268	3225	2161	1750	2972	3109	3158	2815



Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

Average Speed

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	30.5	27.0	28.6	26.9	28.0	26.9	26.3
2	27.4	27.3	30.5	26.6	25.7	-	28.0
3	34.7	34.7	43.0	26.2	31.9	28.0	33.0
4	35.3	34.2	33.8	28.7	27.6	33.0	29.8
5	29.7	31.3	29.2	30.9	23.0	31.6	30.5
6	30.3	29.4	30.9	29.9	27.7	30.8	29.1
7	29.3	29.6	30.2	28.4	30.4	28.7	29.3
8	27.8	27.5	27.5	29.7	29.5	27.8	28.0
9	27.6	26.8	26.7	29.5	29.9	27.8	26.8
10	27.1	27.1	27.1	28.7	28.5	27.1	26.5
11	27.3	27.2	28.2	28.6	28.1	28.3	27.4
12	26.5	27.3	27.6	28.0	27.7	26.1	26.8
13	26.8	27.0	27.5	28.5	28.3	28.7	26.4
14	28.0	26.8	28.8	27.8	28.1	27.5	27.2
15	27.2	27.7	28.0	28.6	27.4	27.3	27.3
16	26.9	27.4	28.2	27.6	28.1	26.4	27.6
17	27.6	28.3	28.1	27.7	28.6	28.1	28.0
18	27.9	27.8	27.9	28.9	28.7	27.5	27.4
19	28.7	28.3	27.4	28.9	27.7	26.9	28.4
20	28.8	26.9	28.0	29.3	27.5	28.4	29.0
21	27.6	27.3	27.6	27.9	28.1	26.8	28.0
22	26.9	28.5	28.1	25.8	27.1	28.7	30.3
23	29.2	29.7	26.5	27.2	29.2	28.5	28.0
24	28.4	28.0	29.2	27.0	35.5	28.0	36.3

10-12	26.9	27.2	27.9	28.3	27.9	27.1	27.1
14-16	27.1	27.5	28.1	28.2	27.7	26.8	27.5
0-24	27.8	27.6	27.9	28.4	28.2	27.7	27.7

7 Day Ave	27.9
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85th Percentile

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	38.7	33.6	34.0	38.7	33.9	28.7	28.3
2	33.5	28.3	38.4	33.9	28.7	-	28.2
3	48.6	48.3	43.3	33.8	33.5	38.9	43.5
4	43.3	43.8	38.2	38.0	33.4	48.5	38.3
5	33.3	38.8	33.2	43.5	28.1	38.1	38.3
6	38.8	33.6	38.6	38.9	33.8	38.8	33.0
7	33.0	34.0	33.4	33.4	33.5	33.4	33.5
8	33.8	33.9	33.4	33.7	33.8	33.5	33.2
9	33.8	33.2	28.7	33.5	33.6	33.5	33.9
10	33.7	33.7	33.3	33.5	33.8	33.2	33.6
11	33.0	34.0	33.6	33.5	33.0	33.3	33.8
12	33.4	33.2	33.2	33.4	33.2	33.1	33.9
13	33.9	33.5	33.2	33.4	33.1	33.6	33.3
14	33.8	33.1	33.6	33.3	33.1	33.2	33.5
15	33.4	34.0	33.1	33.1	33.3	33.9	33.1
16	34.0	33.7	33.5	33.2	33.1	33.1	33.6
17	33.9	33.0	33.9	34.0	33.0	33.4	33.4
18	33.1	33.6	33.3	33.1	33.5	33.3	34.0
19	33.9	33.1	33.8	33.4	33.7	33.9	33.1
20	33.4	33.1	33.4	33.4	33.5	33.8	33.9
21	33.5	33.8	33.3	33.5	33.8	33.3	33.6
22	33.8	33.3	33.9	33.2	33.1	33.7	38.3
23	33.1	38.0	33.6	33.5	33.2	33.3	33.1
24	38.6	33.3	33.6	33.3	43.7	38.1	38.5

10-12	33.5	33.4	33.4	33.6	33.5	33.0	33.2
14-16	33.3	33.3	33.1	33.5	33.4	33.3	34.0
0-24	33.6	33.9	33.6	33.2	33.1	33.8	33.1

7 Day Ave	33.5
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Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



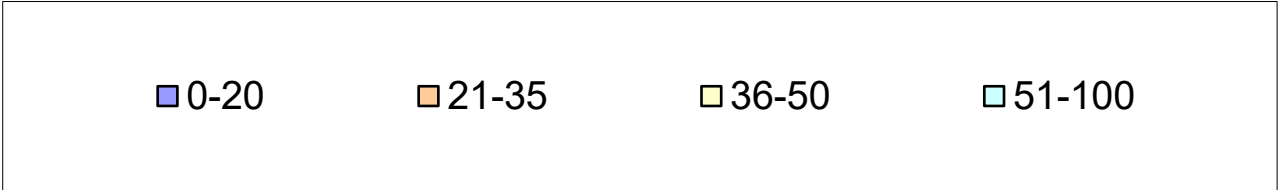
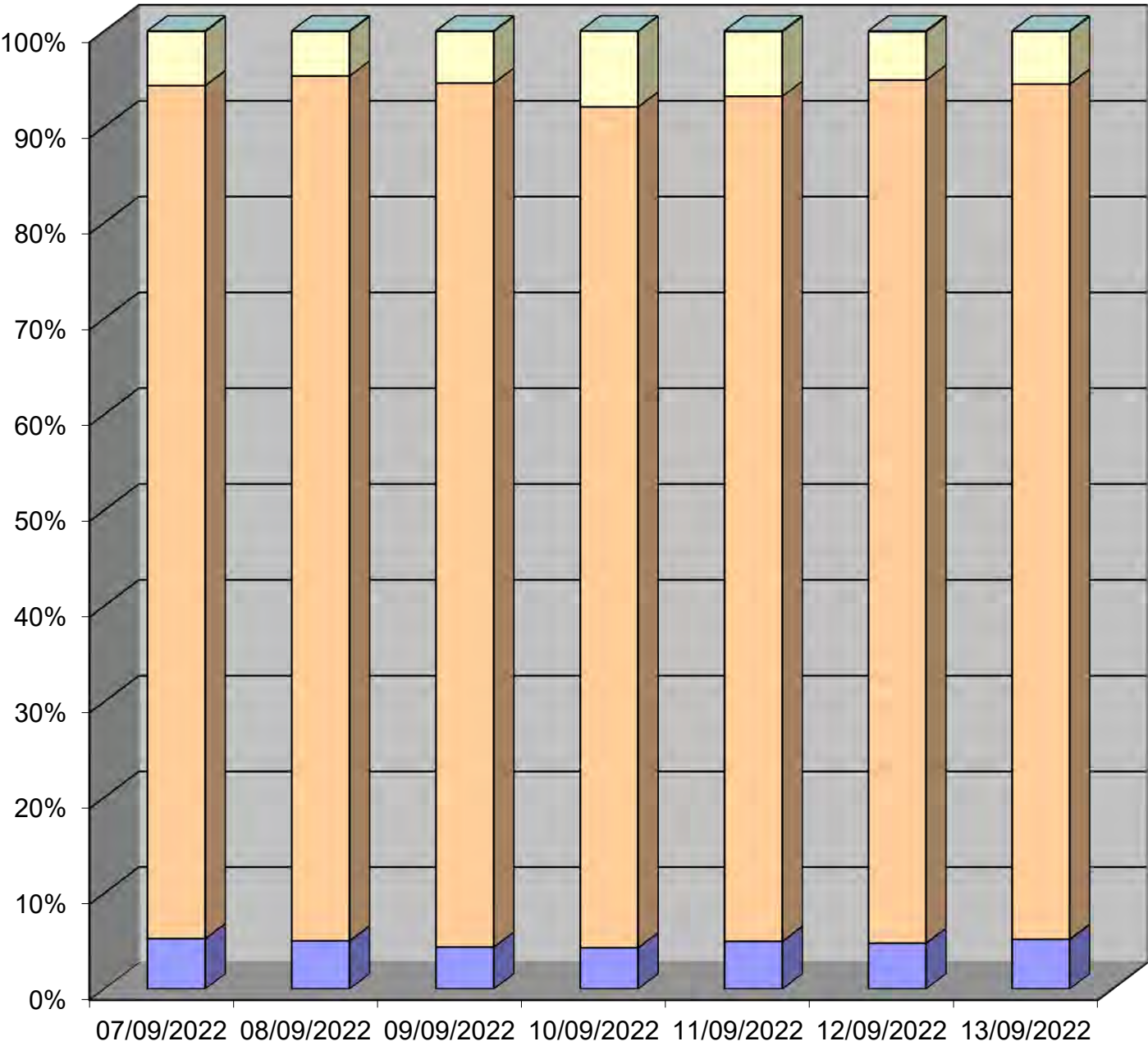
Channel 1 - Eastbound

Speed Summary

Week 1

Speed (MPH)	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
0-20	169	164	141	93	87	142	161
21-35	2865	2951	2909	1897	1544	2678	2776
36-50	182	152	174	171	118	150	171
51-100	1	1	1	0	1	2	1
TOTAL	3217	3268	3225	2161	1750	2972	3109

Speed Summary (MPH)



Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.

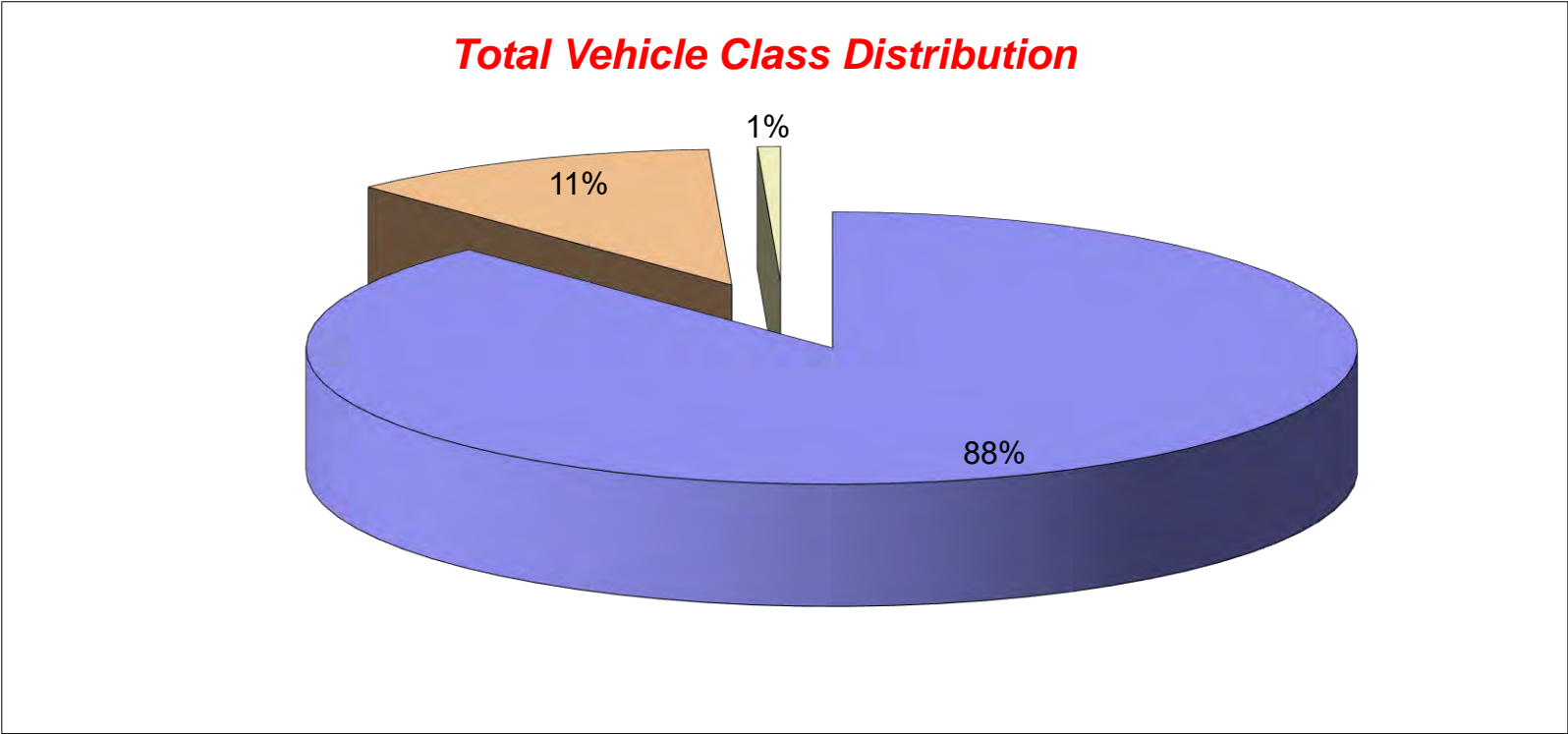


Channel 1 - Eastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/09/2022				
7-19	2255	347	31	2633
6-22	2634	391	32	3057
6-24	2672	395	33	3100
0-24	2776	407	34	3217
08/09/2022				
7-19	2356	324	22	2702
6-22	2740	364	23	3127
6-24	2772	371	23	3166
0-24	2860	384	24	3268
09/09/2022				
7-19	2324	328	17	2669
6-22	2697	362	17	3076
6-24	2758	363	17	3138
0-24	2831	377	17	3225
10/09/2022				
7-19	1648	116	2	1766
6-22	1892	130	3	2025
6-24	1957	133	3	2093
0-24	2021	137	3	2161
11/09/2022				
7-19	1331	99	5	1435
6-22	1527	123	6	1656
6-24	1548	123	6	1677
0-24	1613	131	6	1750
12/09/2022				
7-19	2098	355	23	2476
6-22	2432	402	23	2857
6-24	2458	402	23	2883
0-24	2535	413	24	2972
13/09/2022				
7-19	2215	346	28	2589
6-22	2568	395	30	2993
6-24	2587	396	30	3013
0-24	2670	408	31	3109
Average				
7-19	2032	274	18	2324
6-22	2356	310	19	2684
6-24	2393	312	19	2724
0-24	2472	322	20	2815



Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.

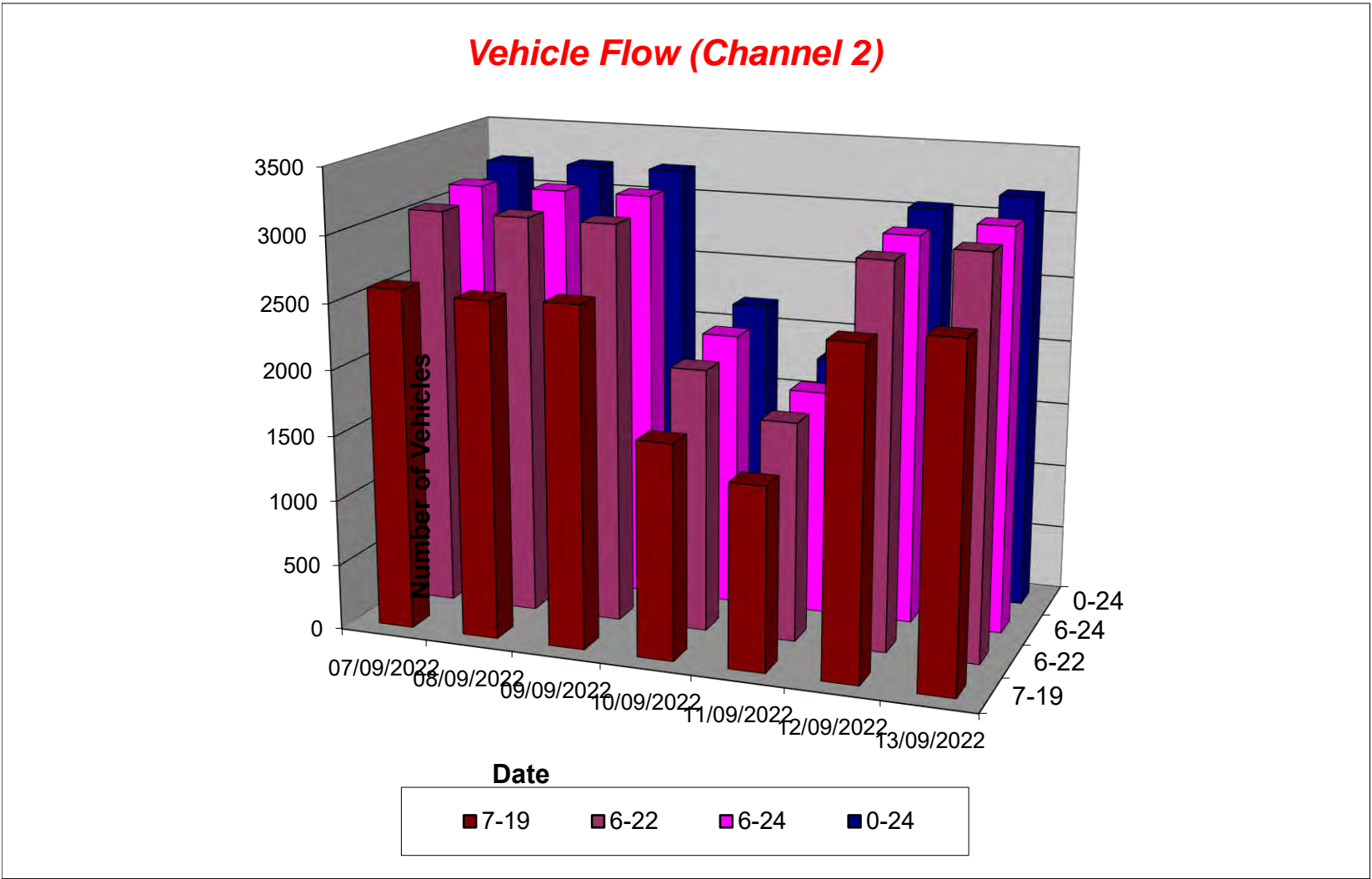


Channel 2 - Westbound

Vehicle Flow

Week 1

	07/09/2022	08/09/2022	09/09/2022	10/09/2022	11/09/2022	12/09/2022	13/09/2022		
Hr Ending	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	5 Day Ave	7 Day Ave
1	13	12	17	25	24	9	11	12	16
2	8	11	11	14	14	4	7	8	10
3	4	2	4	19	16	4	5	4	8
4	2	4	4	7	7	3	5	4	5
5	11	11	4	6	12	11	12	10	10
6	46	44	45	15	9	45	55	47	37
7	114	122	112	36	26	114	114	115	91
8	283	278	273	40	24	263	271	274	205
9	331	350	309	73	37	335	332	331	252
10	190	178	204	101	66	201	180	191	160
11	137	138	149	136	133	110	131	133	133
12	138	144	156	146	122	149	141	146	142
13	154	156	181	149	161	173	146	162	160
14	154	148	179	153	148	155	171	161	158
15	189	216	174	165	148	192	182	191	181
16	217	201	234	166	149	186	217	211	196
17	239	226	231	172	147	238	268	240	217
18	316	293	273	184	133	264	280	285	249
19	248	238	227	154	131	217	253	237	210
20	156	165	162	123	122	147	129	152	143
21	113	121	110	128	78	102	114	112	109
22	75	76	71	83	52	73	98	79	75
23	54	54	61	61	39	36	41	49	49
24	28	35	34	41	16	17	16	26	27
7-19	2596	2566	2590	1639	1399	2483	2572	2561	2264
6-22	3054	3050	3045	2009	1677	2919	3027	3019	2683
6-24	3136	3139	3140	2111	1732	2972	3084	3094	2759
0-24	3220	3223	3225	2197	1814	3048	3179	3179	2844



Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

Average Speed

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	28.4	28.0	28.0	25.6	25.1	23.6	26.2
2	26.8	22.5	28.5	23.9	26.2	25.5	23.7
3	24.2	28.0	30.5	25.6	27.4	29.2	26.0
4	30.5	25.5	24.2	28.7	33.0	24.7	26.0
5	27.5	28.9	26.8	28.0	23.8	32.1	29.7
6	26.8	25.4	29.4	27.3	29.7	28.6	27.9
7	23.7	23.7	25.8	27.3	27.0	23.3	23.8
8	18.1	16.9	19.5	27.6	28.0	20.6	20.8
9	18.9	14.0	16.3	25.7	25.6	18.0	17.4
10	22.0	23.9	22.3	22.7	21.0	21.3	19.4
11	21.6	22.2	20.8	22.9	23.4	22.5	21.9
12	23.0	22.1	22.2	21.3	23.5	21.6	22.7
13	22.8	22.3	21.6	23.3	22.4	21.5	22.5
14	21.8	21.2	22.4	22.9	23.1	22.6	21.4
15	21.1	22.2	21.2	23.9	23.0	22.5	22.0
16	21.0	20.7	19.5	23.7	24.9	19.6	21.5
17	18.9	19.9	19.6	22.4	25.0	19.1	18.1
18	18.6	18.8	19.5	23.5	23.3	18.6	18.4
19	21.3	21.7	22.1	22.9	23.5	21.0	21.5
20	23.3	21.6	22.7	24.9	24.7	22.6	24.1
21	22.4	22.4	24.0	23.3	24.2	23.0	22.6
22	24.4	25.0	25.0	24.3	24.6	24.9	24.8
23	23.7	24.9	23.3	25.0	24.3	25.4	26.3
24	27.5	25.7	24.1	24.6	27.7	27.1	27.7

10-12	22.3	22.1	21.6	22.1	23.5	22.0	22.3
14-16	21.0	21.5	20.3	23.8	23.9	21.0	21.7
0-24	21.0	20.6	21.2	23.6	23.9	21.1	21.1

7 Day Ave	21.8
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85th Percentile

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	33.0	33.4	33.0	33.1	28.5	28.3	33.7
2	33.3	28.3	33.7	28.6	28.2	28.6	28.8
3	28.5	38.3	38.5	38.3	28.2	43.8	33.3
4	33.9	33.2	38.6	38.1	48.3	28.5	33.7
5	38.5	33.5	43.2	43.2	28.8	38.2	38.4
6	33.4	33.2	38.5	33.1	38.1	38.9	33.8
7	28.8	28.6	33.7	28.4	33.5	28.4	33.7
8	28.8	23.4	28.8	34.0	33.8	28.3	28.4
9	28.7	23.9	23.4	28.5	33.8	28.8	28.1
10	28.7	28.5	28.9	28.5	28.3	28.2	28.4
11	29.0	28.2	28.7	29.0	29.0	28.4	28.3
12	28.3	28.7	28.1	28.2	28.8	28.2	28.7
13	28.5	28.7	28.6	28.4	28.7	28.9	28.3
14	28.4	28.6	28.7	28.4	28.9	28.6	28.8
15	28.7	28.8	28.0	28.3	28.9	28.4	28.2
16	28.2	28.2	28.4	28.5	28.4	28.4	28.6
17	28.4	28.8	28.4	28.1	28.1	28.9	29.0
18	28.5	28.2	28.3	28.5	29.0	28.6	28.2
19	28.8	29.0	29.0	34.0	28.8	28.9	28.9
20	28.5	28.1	28.8	33.6	28.7	28.5	28.1
21	28.4	28.1	28.7	28.9	28.4	28.3	29.0
22	28.5	33.8	28.4	28.7	28.0	33.9	33.6
23	28.2	28.4	28.7	28.4	28.2	33.3	28.6
24	33.6	28.5	28.3	28.7	33.2	33.3	33.9

10-12	28.5	28.1	28.4	28.1	28.5	28.2	28.6
14-16	28.7	28.1	28.4	28.8	28.4	28.3	28.2
0-24	28.9	28.2	28.9	28.7	28.1	28.0	28.9

7 Day Ave	28.5
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Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



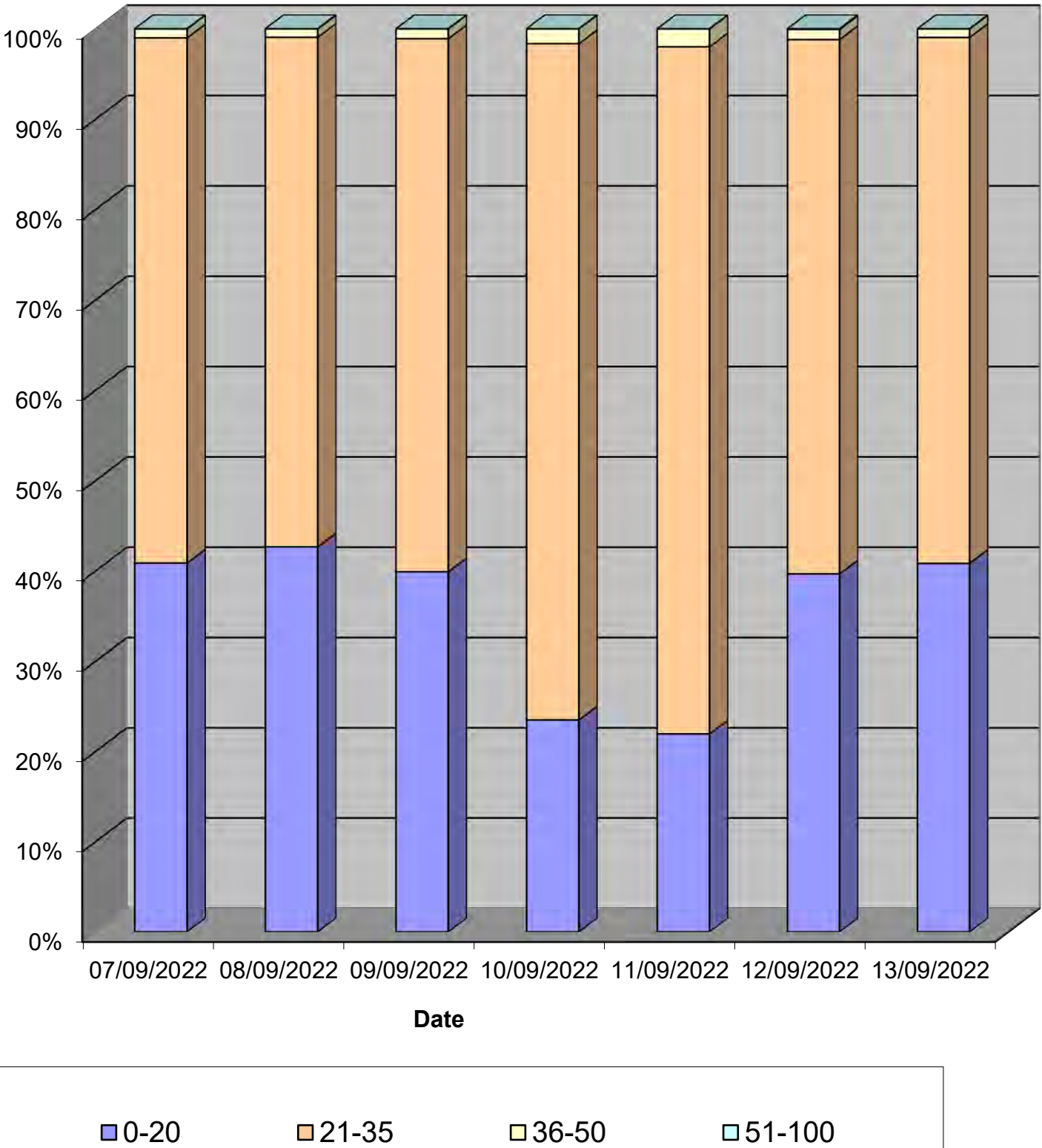
Channel 2 - Westbound

Speed Summary

Week 1

Speed (MPH)	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
0-20	1316	1375	1287	516	398	1209	1298
21-35	1872	1818	1903	1645	1380	1803	1851
36-50	32	30	35	36	36	34	30
51-100	0	0	0	0	0	2	0
TOTAL	3220	3223	3225	2197	1814	3048	3179

Speed Summary (MPH)



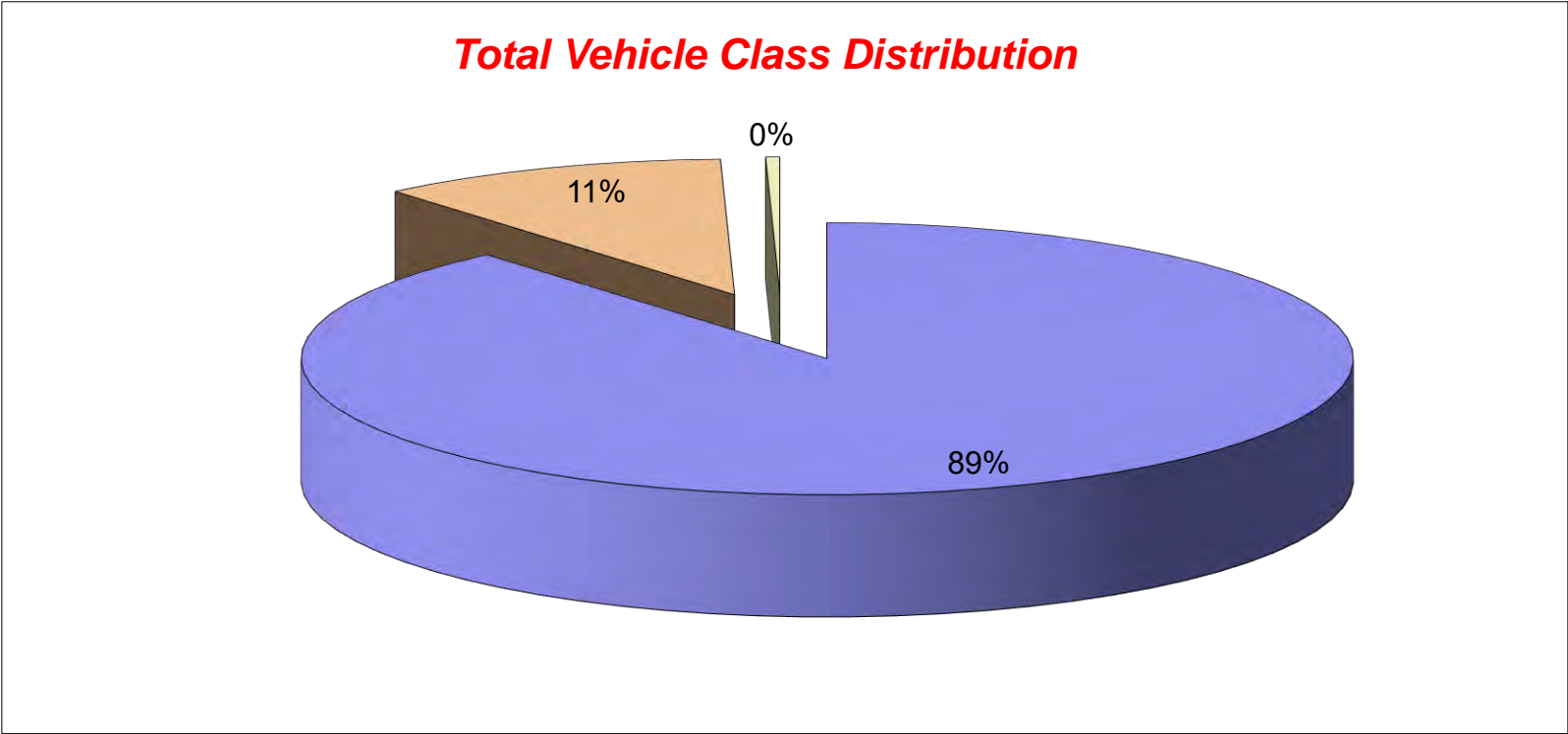
Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound Vehicle Class Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/09/2022				
7-19	2269	310	17	2596
6-22	2680	357	17	3054
6-24	2758	361	17	3136
0-24	2830	371	19	3220
08/09/2022				
7-19	2265	283	18	2566
6-22	2721	310	19	3050
6-24	2803	317	19	3139
0-24	2873	331	19	3223
09/09/2022				
7-19	2284	293	13	2590
6-22	2700	331	14	3045
6-24	2789	337	14	3140
0-24	2860	351	14	3225
10/09/2022				
7-19	1523	115	1	1639
6-22	1869	139	1	2009
6-24	1960	150	1	2111
0-24	2035	160	2	2197
11/09/2022				
7-19	1282	114	3	1399
6-22	1537	137	3	1677
6-24	1591	138	3	1732
0-24	1666	144	4	1814
12/09/2022				
7-19	2148	322	13	2483
6-22	2540	365	14	2919
6-24	2591	367	14	2972
0-24	2651	383	14	3048
13/09/2022				
7-19	2226	335	11	2572
6-22	2634	381	12	3027
6-24	2688	384	12	3084
0-24	2761	404	14	3179
Average				
7-19	2000	253	11	2264
6-22	2383	289	11	2683
6-24	2454	293	11	2759
0-24	2525	306	12	2844



Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound





















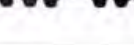









	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3217	3268	3225	2161	1750	2972	3109	3158	2815
Mean Speed	27.8	27.6	27.9	28.4	28.2	27.7	27.7	27.7	27.9
85%ile Speed	33.6	33.9	33.6	33.2	33.1	33.8	33.1	33.6	33.5
No. Vehicles > 30 MPH Limit	814	814	862	659	520	735	775	800	740
% Vehicles > 30 MPH Limit	25.3	24.9	26.7	30.5	29.7	24.7	24.9	25.3	26.7
No. Vehicles > 45 MPH	8	4	7	3	4	8	5	6	6
% Vehicles > 45 MPH	0.2	0.1	0.2	0.1	0.2	0.3	0.2	0.2	0.2

Channel 2 - Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3220	3223	3225	2197	1814	3048	3179	3179	2844
Mean Speed	21.0	20.6	21.2	23.6	23.9	21.1	21.1	21.0	21.8
85%ile Speed	28.9	28.2	28.9	28.7	28.1	28.0	28.9	28.6	28.5
No. Vehicles > 30 MPH Limit	176	168	190	210	148	166	207	181	181
% Vehicles > 30 MPH Limit	5.5	5.2	5.9	9.6	8.2	5.4	6.5	5.7	6.6
No. Vehicles > 45 MPH	3	0	0	1	2	2	0	1	1
% Vehicles > 45 MPH	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	6437	6491	6450	4358	3564	6020	6288	6337	5658
Mean Speed	24.4	24.1	24.6	26.0	26.1	24.4	24.4	24.4	24.8
85%ile Speed	31.2	31.1	31.2	31.0	30.6	30.9	31.0	31.1	31.0
No. Vehicles > 30 MPH Limit	990	982	1052	869	668	901	982	981	921
% Vehicles > 30 MPH Limit	15.4	15.1	16.3	19.9	18.7	15.0	15.6	15.5	16.6
No. Vehicles > 45 MPH	11	4	7	4	6	10	5	7	7
% Vehicles > 45 MPH	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi  	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer 
1	Light Goods Vehicle 	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer 
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer  	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer 
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer  	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer 
2	Rigid 2 Axle Heavy Goods Vehicle 	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer 
3	Rigid 3 Axle Heavy Goods Vehicle 	9	Artic, 2 Axle Tractor + 3 Axle Semi-Trailer 
3	Rigid 3 Axle Heavy Goods Vehicle 	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer 
4	Rigid 4 Axle Heavy Goods Vehicle 	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer 
4	Rigid 4 Axle Heavy Goods Vehicle 	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer 
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer  	12	Bus or Coach, 2 Axle 
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer  	12	Bus or Coach, 3 Axle 
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer  	13	Vehicle with 7 or more Axles 

Upper Hayford ATC 2, Camp Road (mid)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	2024	2053	2106	1717	1434	1859	1934	1995	1875
Mean Speed	28.8	28.6	29.4	28.1	28.3	28.3	28.8	28.8	28.6
85%ile Speed	35.5	35.0	34.7	34.7	33.4	35.0	34.4	34.9	34.7
No. Vehicles > 30 MPH Limit	525	534	605	500	406	459	500	525	504
% Vehicles > 30 MPH Limit	25.9	26.0	28.7	29.1	28.3	24.7	25.9	26.2	27.0
No. Vehicles > 45 MPH	8	4	6	2	2	5	4	5	4
% Vehicles > 45 MPH	0.4	0.2	0.3	0.1	0.1	0.3	0.2	0.3	0.2

Channel 2 - Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	2051	2076	2139	1728	1473	1948	2028	2048	1920
Mean Speed	24.2	23.9	24.2	24.6	25.1	24.1	24.1	24.1	24.3
85%ile Speed	30.3	30.2	31.5	31.2	30.5	31.0	30.8	30.8	30.8
No. Vehicles > 30 MPH Limit	139	139	161	164	109	120	171	146	143
% Vehicles > 30 MPH Limit	6.8	6.7	7.5	9.5	7.4	6.2	8.4	7.1	7.5
No. Vehicles > 45 MPH	2	0	0	1	2	2	0	1	1
% Vehicles > 45 MPH	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1

Channels 1+2 - Eastbound & Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	4075	4129	4245	3445	2907	3807	3962	4044	3796
Mean Speed	26.5	26.3	26.8	26.3	26.7	26.2	26.4	26.4	26.5
85%ile Speed	32.9	32.6	33.1	33.0	32.0	33.0	32.6	32.9	32.7
No. Vehicles > 30 MPH Limit	664	673	766	664	515	579	671	671	647
% Vehicles > 30 MPH Limit	16.3	16.3	18.0	19.3	17.7	15.2	16.9	16.6	17.1
No. Vehicles > 45 MPH	10	4	6	3	4	7	4	6	5
% Vehicles > 45 MPH	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.

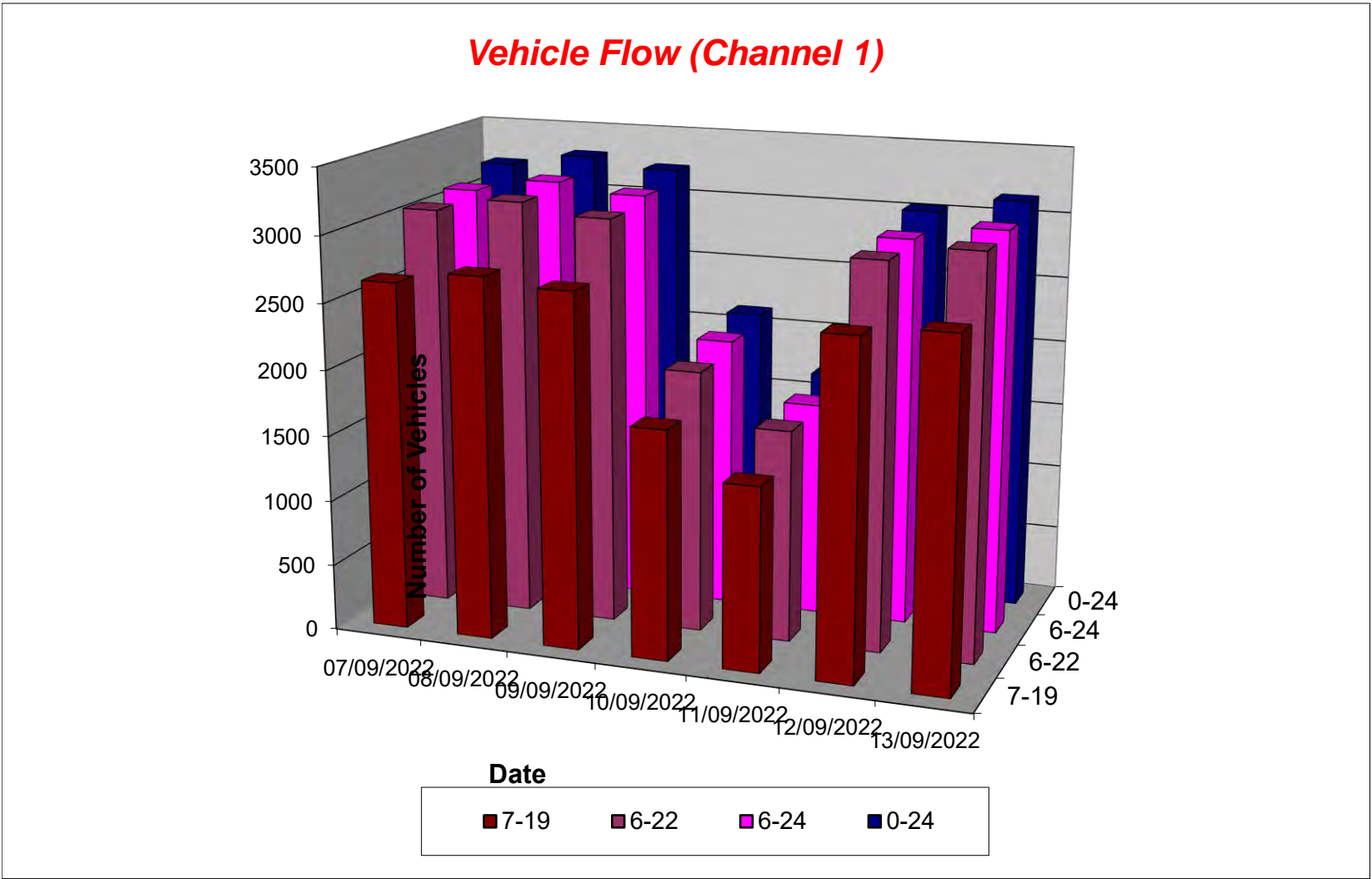


Channel 1 - Eastbound

Vehicle Flow

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5 Day Ave	7 Day Ave
1	7	7	9	14	12	7	3	7	8
2	5	3	6	10	10	0	3	3	5
3	6	4	1	11	6	4	5	4	5
4	10	12	12	7	11	7	10	10	10
5	17	14	12	8	7	11	11	13	11
6	55	54	47	12	15	57	60	55	43
7	162	141	148	52	33	153	174	156	123
8	293	282	260	68	46	276	281	278	215
9	304	353	341	129	70	297	338	327	262
10	164	164	179	181	127	159	191	171	166
11	166	151	178	161	180	143	137	155	159
12	144	153	162	183	179	172	140	154	162
13	161	170	187	192	144	133	149	160	162
14	184	192	179	181	135	148	151	171	167
15	197	190	209	155	118	197	199	198	181
16	258	275	294	136	103	247	241	263	222
17	300	306	260	110	87	317	327	302	244
18	299	319	271	129	104	273	272	287	238
19	177	188	167	115	101	171	179	176	157
20	130	138	135	90	93	122	119	129	118
21	80	106	69	70	59	68	85	82	77
22	44	37	45	42	35	44	49	44	42
23	23	24	32	44	16	18	20	23	25
24	17	17	26	31	4	7	3	14	15
7-19	2647	2743	2687	1740	1394	2533	2605	2643	2336
6-22	3063	3165	3084	1994	1614	2920	3032	3053	2696
6-24	3103	3206	3142	2069	1634	2945	3055	3090	2736
0-24	3203	3300	3229	2131	1695	3031	3147	3182	2819



Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

Average Speed

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	30.9	25.9	26.3	27.6	24.2	27.3	24.7
2	28.0	23.0	29.7	26.5	24.5	-	24.7
3	30.5	29.2	43.0	22.7	31.3	26.8	29.0
4	32.5	31.8	32.2	25.1	28.5	32.3	31.0
5	31.2	29.8	26.1	30.5	22.3	32.5	31.6
6	29.2	28.9	29.3	29.7	28.3	28.4	28.2
7	27.3	27.8	28.3	26.7	30.6	26.9	26.9
8	25.5	24.8	25.3	27.6	28.3	26.3	26.3
9	25.3	24.4	24.6	28.5	29.0	25.2	24.1
10	25.3	24.9	24.8	27.0	27.3	25.0	24.4
11	25.2	24.3	26.1	26.5	26.4	27.0	24.5
12	25.3	25.4	25.5	26.6	25.9	24.2	24.3
13	24.6	24.6	25.3	26.5	26.1	25.1	25.5
14	25.9	24.6	25.8	25.5	26.4	25.2	25.3
15	25.1	25.5	25.7	26.9	25.5	25.0	25.4
16	24.4	24.9	25.5	25.4	26.9	25.0	25.7
17	25.0	25.8	25.4	25.0	26.6	25.5	24.8
18	25.4	25.0	25.8	27.2	26.9	25.5	25.4
19	26.1	25.9	25.2	26.5	26.2	25.0	26.2
20	25.9	25.1	24.8	26.9	25.7	25.5	26.8
21	25.0	25.1	25.0	25.3	26.5	23.8	25.3
22	24.9	26.9	25.9	24.4	24.9	27.2	26.4
23	28.4	28.2	25.0	24.9	29.6	26.3	26.0
24	28.9	24.2	27.3	25.6	29.2	27.3	34.7

10-12	25.2	24.9	25.8	26.6	26.2	25.4	24.4
14-16	24.7	25.2	25.6	26.2	26.1	25.0	25.5
0-24	25.6	25.3	25.6	26.5	26.6	25.6	25.5

7 Day Ave	25.8
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85th Percentile

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	38.7	33.6	34.0	33.7	33.9	28.7	28.3
2	33.5	23.3	38.4	28.9	28.7	-	28.2
3	48.6	43.3	43.3	33.8	38.5	38.9	43.5
4	38.3	38.8	38.2	33.0	33.4	43.5	38.3
5	38.3	33.8	33.2	33.5	28.1	38.1	38.3
6	33.8	33.6	33.6	33.9	33.8	33.8	33.0
7	33.0	34.0	33.4	33.4	33.5	33.4	33.5
8	28.8	28.9	28.4	33.7	33.8	33.5	33.2
9	28.8	28.2	28.7	33.5	33.6	28.5	28.9
10	33.7	28.7	28.3	33.5	33.8	28.2	28.6
11	33.0	29.0	33.6	33.5	33.0	33.3	28.8
12	33.4	33.2	33.2	33.4	28.2	28.1	28.9
13	28.9	28.5	33.2	33.4	28.1	33.6	33.3
14	33.8	28.1	33.6	28.3	33.1	28.2	33.5
15	28.4	29.0	33.1	33.1	28.3	28.9	28.1
16	29.0	28.7	28.5	33.2	33.1	28.1	28.6
17	28.9	33.0	28.9	34.0	33.0	28.4	28.4
18	28.1	28.6	33.3	33.1	33.5	28.3	29.0
19	33.9	33.1	28.8	33.4	33.7	28.9	33.1
20	33.4	28.1	28.4	33.4	33.5	28.8	33.9
21	33.5	33.8	33.3	33.5	33.8	28.3	28.6
22	28.8	33.3	28.9	28.2	33.1	33.7	33.3
23	33.1	33.0	28.6	33.5	33.2	33.3	28.1
24	38.6	28.3	33.6	28.3	38.7	38.1	38.5

10-12	33.5	33.4	33.4	33.6	33.5	33.0	28.2
14-16	28.3	28.3	28.1	33.5	33.4	28.3	29.0
0-24	28.6	28.9	28.6	33.2	33.1	28.8	28.1

7 Day Ave	29.9
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Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



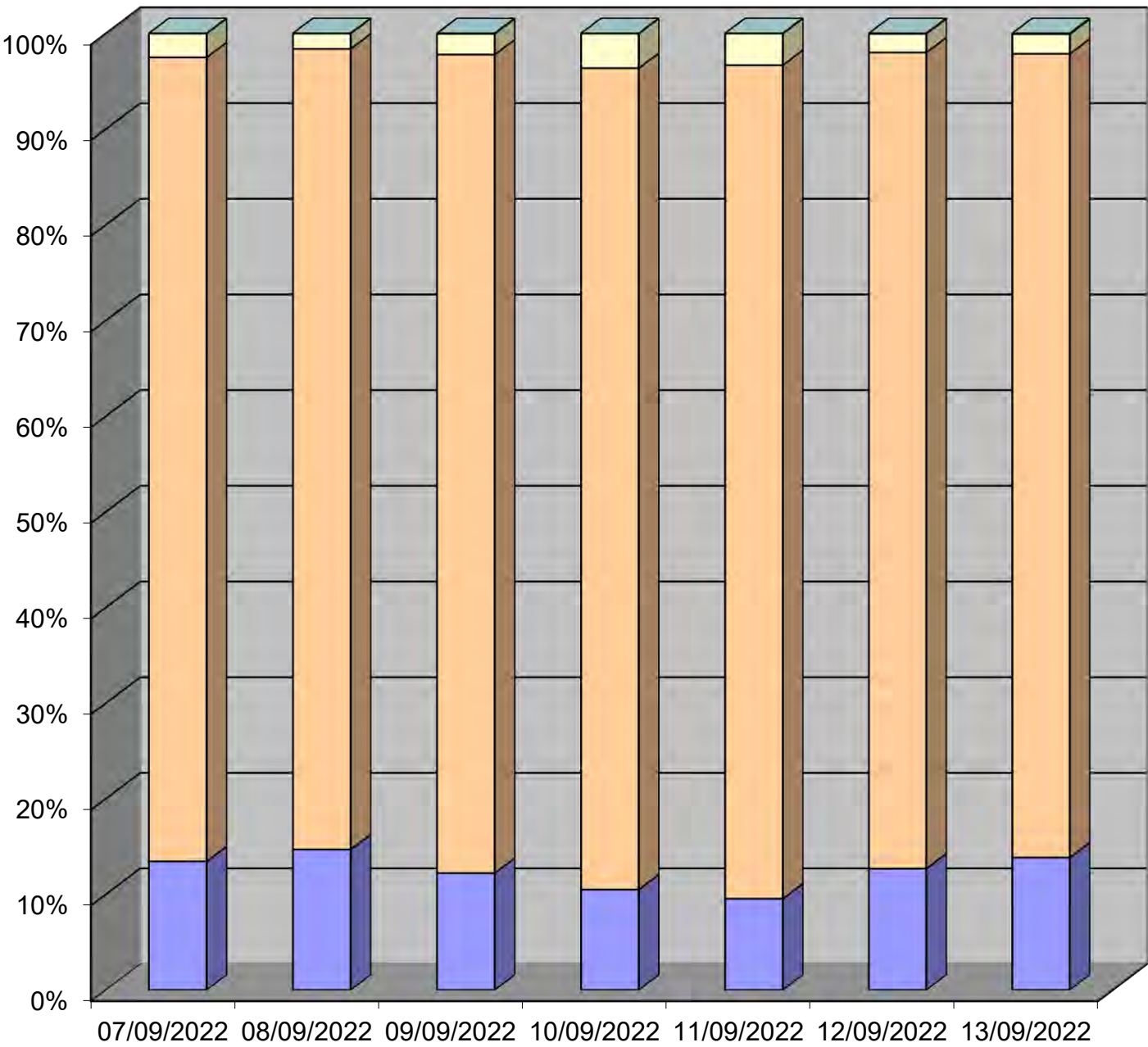
Channel 1 - Eastbound

Speed Summary

Week 1

Speed (MPH)	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
0-20	431	485	395	224	162	385	436
21-35	2692	2762	2763	1830	1477	2586	2644
36-50	80	53	70	77	56	59	65
51-100	0	0	1	0	0	1	2
TOTAL	3203	3300	3229	2131	1695	3031	3147

Speed Summary (MPH)



0-20 21-35 36-50 51-100

Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.

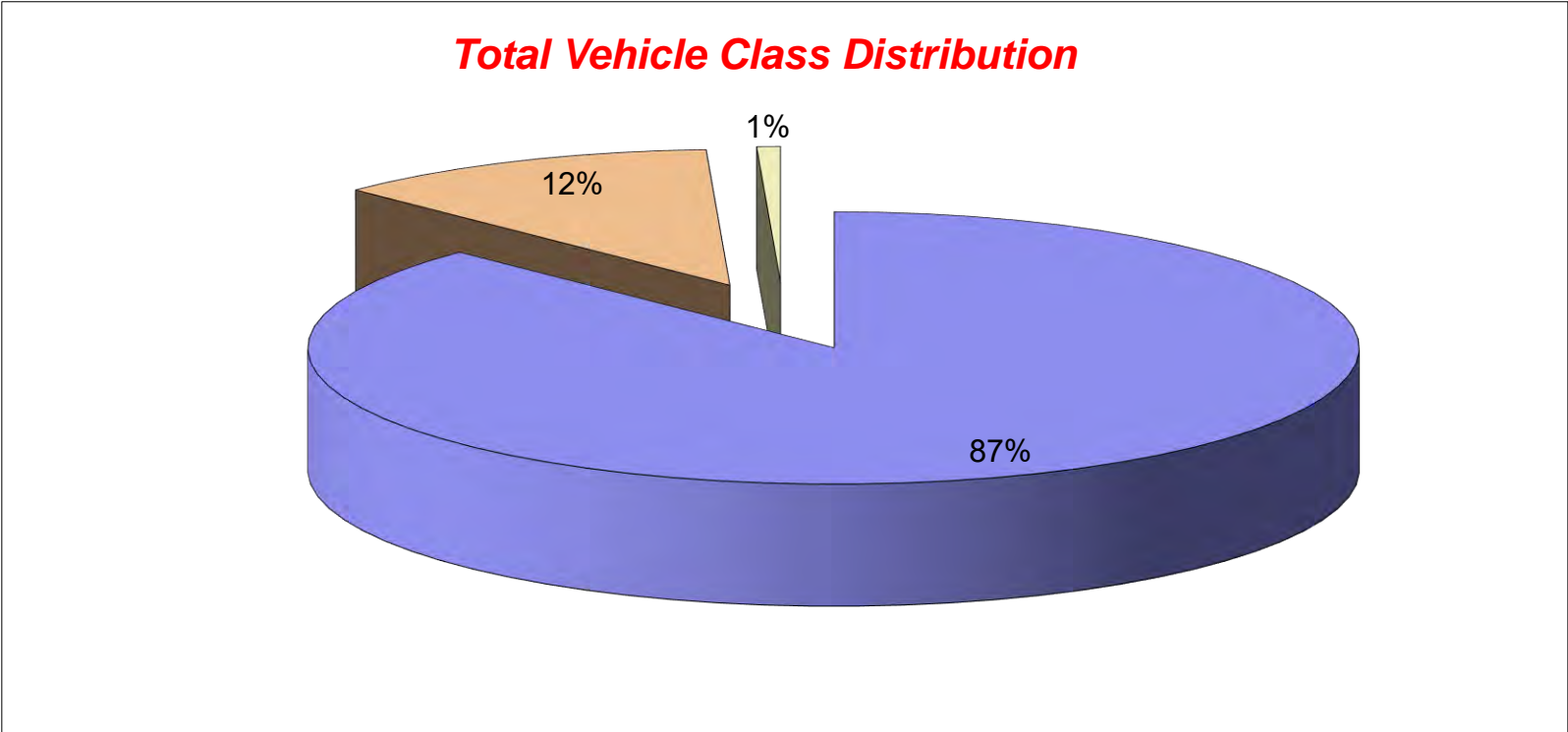


Channel 1 - Eastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/09/2022				
7-19	2261	360	26	2647
6-22	2632	403	28	3063
6-24	2669	406	28	3103
0-24	2758	416	29	3203
08/09/2022				
7-19	2359	362	22	2743
6-22	2731	409	25	3165
6-24	2764	417	25	3206
0-24	2845	429	26	3300
09/09/2022				
7-19	2339	327	21	2687
6-22	2700	363	21	3084
6-24	2755	366	21	3142
0-24	2828	380	21	3229
10/09/2022				
7-19	1616	119	5	1740
6-22	1853	135	6	1994
6-24	1924	139	6	2069
0-24	1981	144	6	2131
11/09/2022				
7-19	1288	104	2	1394
6-22	1487	123	4	1614
6-24	1507	123	4	1634
0-24	1558	131	6	1695
12/09/2022				
7-19	2144	368	21	2533
6-22	2474	425	21	2920
6-24	2497	426	22	2945
0-24	2571	438	22	3031
13/09/2022				
7-19	2231	347	27	2605
6-22	2604	397	31	3032
6-24	2625	398	32	3055
0-24	2704	410	33	3147
Average				
7-19	2034	284	18	2336
6-22	2354	322	19	2696
6-24	2392	325	20	2736
0-24	2464	335	20	2819



Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.

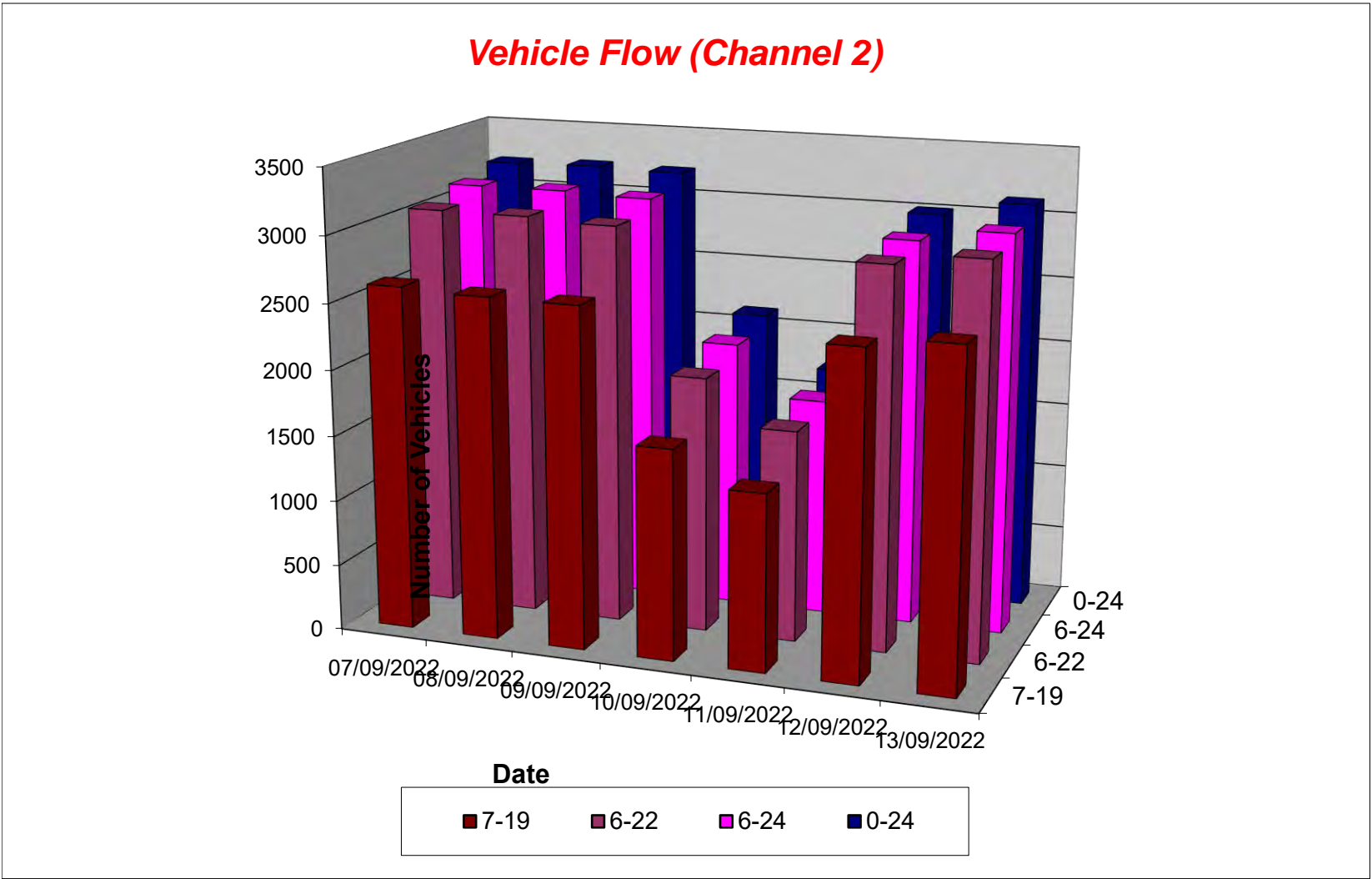


Channel 2 - Westbound

Vehicle Flow

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5 Day Ave	7 Day Ave
1	10	12	16	26	22	8	10	11	15
2	8	7	10	13	14	3	7	7	9
3	3	5	4	17	13	4	5	4	7
4	2	4	3	5	6	3	5	3	4
5	8	10	6	5	7	12	12	10	9
6	42	45	51	14	9	44	53	47	37
7	112	116	116	33	26	124	117	117	92
8	295	310	283	35	24	272	281	288	214
9	342	373	330	69	35	346	354	349	264
10	197	177	201	106	60	198	178	190	160
11	138	133	148	128	128	100	136	131	130
12	140	139	158	141	123	145	126	142	139
13	150	159	181	143	157	162	139	158	156
14	161	145	168	152	141	160	160	159	155
15	183	210	176	163	142	182	171	184	175
16	209	206	224	160	138	188	202	206	190
17	243	218	227	169	146	239	262	238	215
18	317	288	276	180	124	253	274	282	245
19	243	236	213	153	126	210	246	230	204
20	147	161	156	120	122	146	131	148	140
21	113	115	107	119	74	96	109	108	105
22	72	73	67	77	46	70	90	74	71
23	51	50	56	55	35	30	40	45	45
24	26	31	32	42	17	14	17	24	26
7-19	2618	2594	2585	1599	1344	2455	2529	2556	2246
6-22	3062	3059	3031	1948	1612	2891	2976	3004	2654
6-24	3139	3140	3119	2045	1664	2935	3033	3073	2725
0-24	3212	3223	3209	2125	1735	3009	3125	3156	2805



Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

Average Speed

Week 1

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	29.0	27.6	27.7	25.7	25.5	26.8	26.5
2	24.2	23.0	28.5	26.5	25.9	26.3	25.1
3	31.3	24.0	31.8	28.9	24.9	29.2	28.0
4	23.0	26.8	29.7	28.0	34.7	28.0	27.0
5	29.9	27.0	24.7	21.0	25.1	30.5	29.0
6	28.2	26.9	28.8	28.0	30.2	28.7	27.2
7	24.5	25.0	25.8	27.2	26.7	25.0	24.3
8	23.1	22.8	23.4	28.6	26.6	24.1	24.3
9	23.4	23.3	22.9	25.5	26.6	23.7	23.0
10	23.5	25.3	23.8	23.4	24.4	23.5	23.2
11	22.9	22.9	23.1	24.0	24.4	24.6	22.9
12	24.0	23.3	24.0	24.5	23.8	22.5	23.2
13	23.7	23.6	23.8	25.3	24.1	23.3	24.3
14	23.8	23.9	24.6	24.0	25.4	23.9	23.4
15	23.8	24.4	23.6	24.5	24.8	24.0	24.5
16	23.3	23.7	24.1	25.4	26.2	23.2	24.3
17	22.7	24.6	23.6	24.8	25.5	23.9	22.6
18	24.7	23.9	24.0	25.4	25.8	23.5	23.4
19	24.8	23.9	24.9	24.7	25.3	23.7	24.7
20	24.9	24.6	24.9	25.6	25.5	24.1	24.8
21	23.8	23.7	24.9	24.8	25.4	24.4	24.6
22	24.8	26.4	25.7	25.3	25.6	26.5	26.0
23	24.0	25.4	24.1	25.6	25.9	27.0	27.0
24	27.6	27.0	25.4	25.5	27.7	28.4	28.3

10-12	23.4	23.1	23.5	24.3	24.1	23.4	23.1
14-16	23.5	24.1	23.9	24.9	25.5	23.6	24.4
0-24	23.9	24.0	24.1	25.0	25.3	24.0	24.0

7 Day Ave	24.3
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85th Percentile

Hr Ending	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
1	38.0	33.4	33.0	33.1	28.5	33.3	33.7
2	33.3	28.3	33.7	33.6	33.2	28.6	28.8
3	33.5	38.3	38.5	38.3	33.2	38.8	33.3
4	33.9	38.2	33.6	33.1	43.3	33.5	33.7
5	38.5	33.5	38.2	38.2	33.8	38.2	38.4
6	33.4	33.2	33.5	33.1	38.1	38.9	33.8
7	28.8	28.6	33.7	33.4	33.5	28.4	28.7
8	28.8	28.4	28.8	34.0	38.8	28.3	28.4
9	28.7	28.9	28.4	28.5	33.8	28.8	28.1
10	28.7	28.5	28.9	28.5	28.3	28.2	28.4
11	29.0	28.2	28.7	29.0	29.0	28.4	28.3
12	28.3	28.7	28.1	28.2	28.8	28.2	28.7
13	28.5	28.7	28.6	28.4	28.7	28.9	28.3
14	28.4	28.6	28.7	28.4	28.9	28.6	28.8
15	28.7	28.8	28.0	28.3	28.9	28.4	28.2
16	28.2	28.2	28.4	28.5	33.4	28.4	28.6
17	28.4	28.8	28.4	28.1	28.1	28.9	29.0
18	28.5	28.2	28.3	28.5	29.0	28.6	28.2
19	28.8	29.0	29.0	29.0	28.8	28.9	28.9
20	28.5	28.1	28.8	28.6	28.7	28.5	28.1
21	28.4	28.1	28.7	28.9	28.4	28.3	29.0
22	28.5	28.8	33.4	28.7	28.0	33.9	28.6
23	28.2	28.4	28.7	28.4	33.2	33.3	33.6
24	33.6	33.5	28.3	28.7	33.2	33.3	33.9

10-12	28.5	28.1	28.4	28.1	28.5	28.2	28.6
14-16	28.7	28.1	28.4	28.8	28.4	28.3	28.2
0-24	28.9	28.2	28.9	28.7	28.1	28.0	28.9

7 Day Ave	28.5
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Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



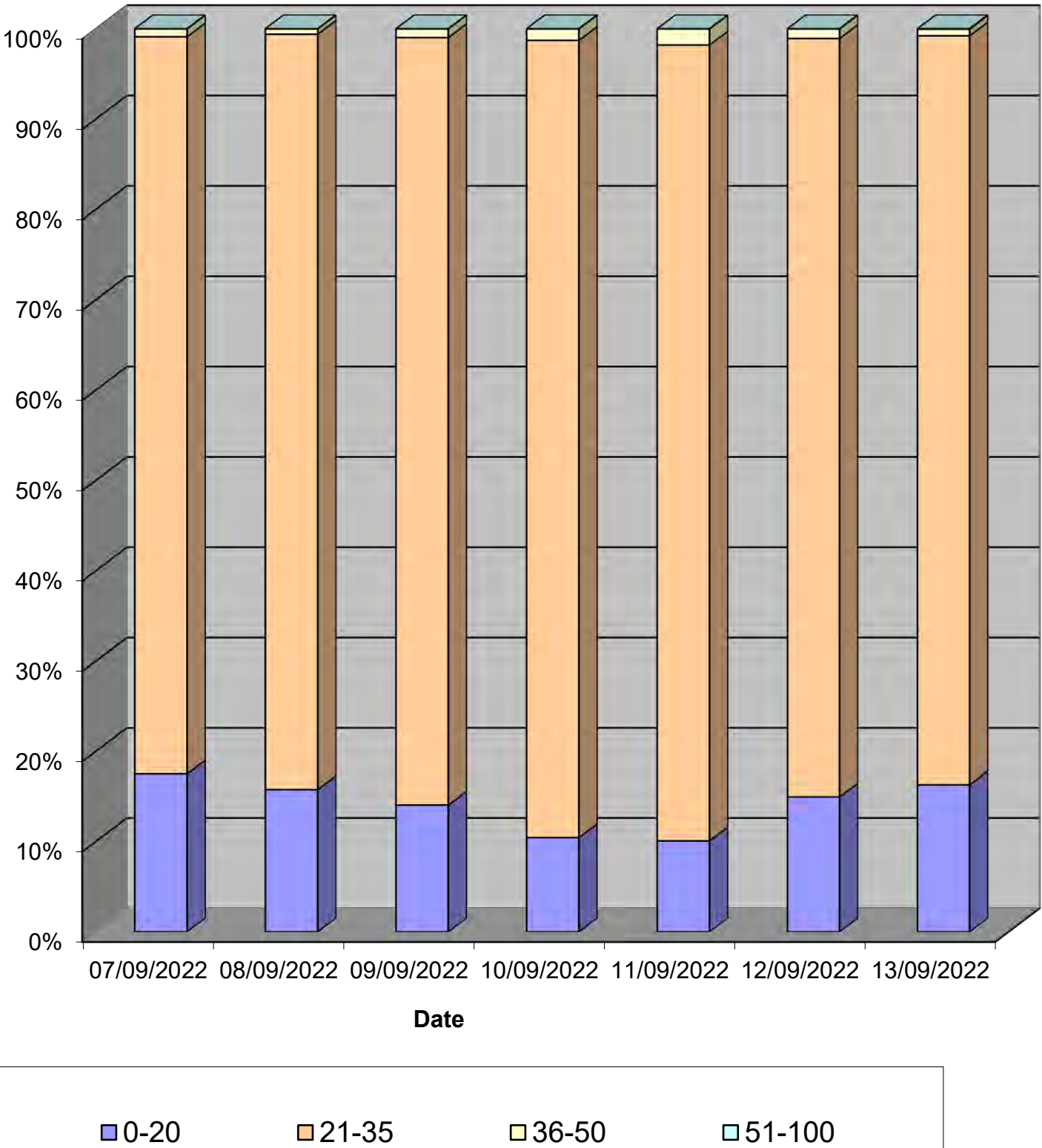
Channel 2 - Westbound

Speed Summary

Week 1

Speed (MPH)	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday
0-20	563	508	451	222	175	450	509
21-35	2621	2696	2727	1876	1529	2527	2592
36-50	28	19	31	27	31	32	23
51-100	0	0	0	0	0	0	1
TOTAL	3212	3223	3209	2125	1735	3009	3125

Speed Summary (MPH)



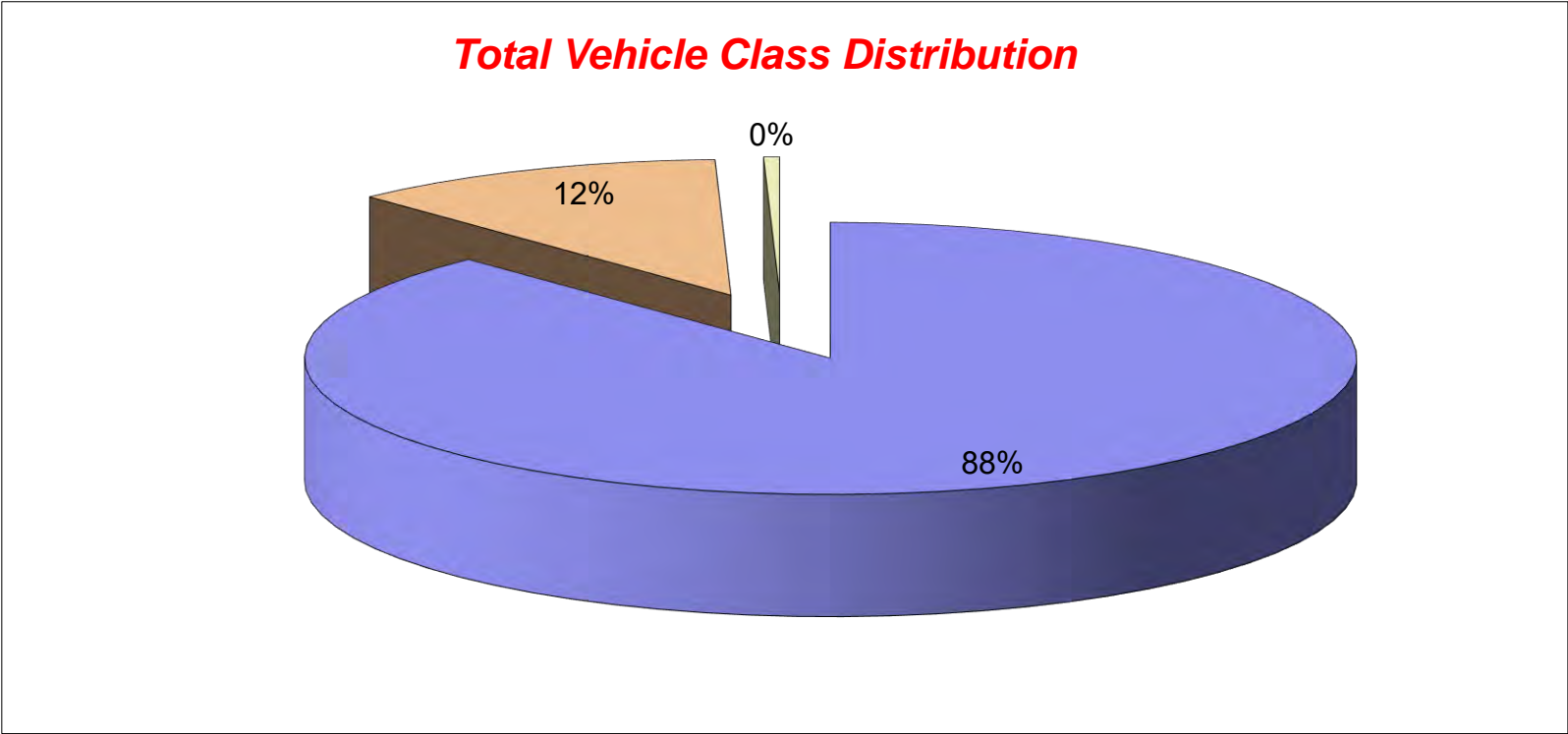
Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound Vehicle Class Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/09/2022				
7-19	2224	371	23	2618
6-22	2629	409	24	3062
6-24	2702	412	25	3139
0-24	2763	423	26	3212
08/09/2022				
7-19	2231	351	12	2594
6-22	2667	380	12	3059
6-24	2743	385	12	3140
0-24	2812	398	13	3223
09/09/2022				
7-19	2216	355	14	2585
6-22	2635	382	14	3031
6-24	2719	386	14	3119
0-24	2792	402	15	3209
10/09/2022				
7-19	1491	105	3	1599
6-22	1818	126	4	1948
6-24	1907	134	4	2045
0-24	1978	143	4	2125
11/09/2022				
7-19	1250	91	3	1344
6-22	1500	109	3	1612
6-24	1551	110	3	1664
0-24	1613	119	3	1735
12/09/2022				
7-19	2094	347	14	2455
6-22	2488	389	14	2891
6-24	2531	390	14	2935
0-24	2593	402	14	3009
13/09/2022				
7-19	2177	333	19	2529
6-22	2584	373	19	2976
6-24	2640	374	19	3033
0-24	2712	392	21	3125
Average				
7-19	1955	279	13	2246
6-22	2332	310	13	2654
6-24	2399	313	13	2725
0-24	2466	326	14	2805



Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound





















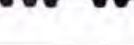










	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3203	3300	3229	2131	1695	3031	3147	3182	2819
Mean Speed	25.6	25.3	25.6	26.5	26.6	25.6	25.5	25.5	25.8
85%ile Speed	28.6	28.9	28.6	33.2	33.1	28.8	28.1	28.6	29.9
No. Vehicles > 30 MPH Limit	431	403	441	404	332	383	415	415	401
% Vehicles > 30 MPH Limit	13.5	12.2	13.7	19.0	19.6	12.6	13.2	13.0	14.8
No. Vehicles > 45 MPH	4	1	3	0	2	1	3	2	2
% Vehicles > 45 MPH	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1

Channel 2 - Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	3212	3223	3209	2125	1735	3009	3125	3156	2805
Mean Speed	23.9	24.0	24.1	25.0	25.3	24.0	24.0	24.0	24.3
85%ile Speed	28.9	28.2	28.9	28.7	28.1	28.0	28.9	28.6	28.5
No. Vehicles > 30 MPH Limit	163	165	183	190	165	167	150	166	169
% Vehicles > 30 MPH Limit	5.1	5.1	5.7	8.9	9.5	5.6	4.8	5.2	6.4
No. Vehicles > 45 MPH	1	0	1	0	2	0	1	1	1
% Vehicles > 45 MPH	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	6415	6523	6438	4256	3430	6040	6272	6338	5625
Mean Speed	24.8	24.7	24.9	25.8	26.0	24.8	24.8	24.8	25.1
85%ile Speed	28.8	28.6	28.8	31.0	30.6	28.4	28.5	28.6	29.2
No. Vehicles > 30 MPH Limit	594	568	624	594	497	550	565	580	570
% Vehicles > 30 MPH Limit	9.3	8.7	9.7	14.0	14.5	9.1	9.0	9.2	10.6
No. Vehicles > 45 MPH	5	1	4	0	4	1	4	3	3
% Vehicles > 45 MPH	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi  	5	Rigid 2 Axle HGV + 2 Axle (Close coupled) Trailer 
1	Light Goods Vehicle 	6	Rigid 3 Axle HGV + 2 Axle Drawbar Trailer 
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer  	6	Rigid 3 Axle HGV + 3 Axle Drawbar Trailer 
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer  	7	Artic, 2 Axle Tractor + 1 Axle Semi-Trailer 
2	Rigid 2 Axle Heavy Goods Vehicle 	8	Artic, 2 Axle Tractor + 2 Axle Semi-Trailer 
3	Rigid 3 Axle Heavy Goods Vehicle 	9	Artic, 2 Axle Tractor + 3 Axle Semi-Trailer 
3	Rigid 3 Axle Heavy Goods Vehicle 	10	Artic, 3 Axle Tractor + 1 Axle Semi-Trailer 
4	Rigid 4 Axle Heavy Goods Vehicle 	10	Artic, 3 Axle Tractor + 2 Axle Semi-Trailer 
4	Rigid 4 Axle Heavy Goods Vehicle 	11	Artic, 3 Axle Tractor + 3 Axle Semi-Trailer 
5	Rigid 2 Axle HGV + 2 Axle Drawbar Trailer  	12	Bus or Coach, 2 Axle 
5	Rigid 2 Axle HGV + 3 Axle Drawbar Trailer   	12	Bus or Coach, 3 Axle 
5	Rigid 2 Axle HGV + 1 Axle Caravan or Trailer  	13	Vehicle with 7 or more Axles 

Upper Hayford ATC 1, Camp Road (west)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	2007	2040	2097	1695	1388	1868	1929	1988	1861
Mean Speed	27.2	26.3	27.3	26.3	26.8	26.6	26.8	26.9	26.8
85%ile Speed	34.3	31.8	33.0	32.4	32.7	32.4	32.4	32.8	32.7
No. Vehicles > 30 MPH Limit	304	286	328	303	250	249	294	292	288
% Vehicles > 30 MPH Limit	15.1	14.0	15.6	17.9	18.0	13.3	15.2	14.7	15.6
No. Vehicles > 45 MPH	4	1	2	0	1	1	3	2	2
% Vehicles > 45 MPH	0.2	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.1

Channel 2 - Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	2015	2034	2093	1672	1406	1899	1954	1999	1868
Mean Speed	25.3	24.9	25.7	25.4	26.1	25.7	25.4	25.4	25.5
85%ile Speed	30.8	30.5	31.0	30.7	31.5	31.3	30.6	30.8	30.9
No. Vehicles > 30 MPH Limit	130	130	153	140	126	128	129	134	134
% Vehicles > 30 MPH Limit	6.5	6.4	7.3	8.4	9.0	6.7	6.6	6.7	7.3
No. Vehicles > 45 MPH	1	0	1	0	2	0	1	1	1
% Vehicles > 45 MPH	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	07/09/2022 Wednesday	08/09/2022 Thursday	09/09/2022 Friday	10/09/2022 Saturday	11/09/2022 Sunday	12/09/2022 Monday	13/09/2022 Tuesday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	4022	4074	4190	3367	2794	3767	3883	3987	3728
Mean Speed	26.2	25.6	26.5	25.9	26.4	26.2	26.1	26.1	26.1
85%ile Speed	32.5	31.1	32.0	31.6	32.1	31.8	31.5	31.8	31.8
No. Vehicles > 30 MPH Limit	434	416	481	443	376	377	423	426	421
% Vehicles > 30 MPH Limit	10.8	10.2	11.5	13.2	13.5	10.0	10.9	10.7	11.4
No. Vehicles > 45 MPH	5	1	3	0	3	1	4	3	2
% Vehicles > 45 MPH	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

APPENDIX E

Extract from Heyford Park Hybrid Application (18/00825/HYBRID) Transport Assessment



Heyford Park

Transport Assessment

On behalf of **Dorchester Group**

Project Ref: 39304 | Rev: 01 | Date: April 2018

Office Address: 10 Queen Square, Bristol, BS1 4NT
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Document Control Sheet

Project Name: Heyford Park

Project Ref: 39304

Report Title: Transport Assessment

Doc Ref: For Planning Submission

Date: April 2018

	Name	Position	Signature	Date
Prepared by:	Philip Rawlins	Principal Engineer		March 2018
Reviewed by:	Dawn Wylie	Senior Associate		March 2018
Approved by:	Matt Whiston	Partner		March 2018
For and on behalf of Peter Brett Associates LLP				

Revision	Date	Description	Prepared	Reviewed	Approved
-	21/03/18	Draft for Client Review	PR	DW	MW
01	10/04/18	For Planning Submission	SL	PR	MW

This report has been prepared by Peter Brett Associates LLP ('PBA') on behalf of its client to whom this report is addressed ('Client') in connection with the project described in this report and takes into account the Client's particular instructions and requirements. This report was prepared in accordance with the professional services appointment under which PBA was appointed by its Client. This report is not intended for and should not be relied on by any third party (i.e. parties other than the Client). PBA accepts no duty or responsibility (including in negligence) to any party other than the Client and disclaims all liability of any nature whatsoever to any such party in respect of this report.

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Table 9.11: Site Access Junction 13 2031 Sensitivity Test Case

Link	AM Peak			PM Peak		
	RFC	MMQ	Delay (Secs)	RFC	MMQ	Delay (Secs)
Site Access (N)	0.11	0.1	12.35	0.04	0.0	9.35
Camp Road (W)	0.01	0.0	3.17	0.03	0.0	4.36
Site Access (S)	0.15	0.2	14.11	0.07	0.1	13.54
Camp Road (E)	0.02	0.0	4.46	0.06	0.1	3.41

RFC = Ratio of Flow to Capacity, MMQ = Maximum Mean Queue

9.2.22 **Table 9.11** shows that the Site Access Junction 13 is predicted to operate within capacity in the 2031 Sensitivity Test Case in the AM and PM peak.

Site Access Junction 15

9.2.23 **Table 9.12** presents the 2031 Sensitivity Test Case junction capacity results for Site Access Junction 15 as illustrated on Woods Hardwick **Drawing HEYF-SK345 Rev D** at **Appendix E**.

Table 9.12: Site Access Junction 15 2031 Sensitivity Test Case

Link	AM Peak			PM Peak		
	RFC	MMQ	Delay (Secs)	RFC	MMQ	Delay (Secs)
Site Access	0.11	0.1	13.22	0.03	0.0	9.80
Camp Road (E)	0.02	0.0	4.33	0.06	0.1	3.35

RFC = Ratio of Flow to Capacity, MMQ = Maximum Mean Queue

9.2.24 **Table 9.12** shows that the Site Access Junction 15 is predicted to operate within capacity in the 2031 Sensitivity Test Case in the AM and PM peak.

Camp Road / Chilgrove Drive

9.2.25 As set out at **Section 5.2** a new layout for the Camp Road / Chilgrove Drive junction has been designed to facilitate site access via Chilgrove Drive. The proposed layout is illustrated on **Drawing 39304/5501/SK26 Rev C**. **Table 9.13** presents the 2031 Sensitivity Test Case junction capacity results for the proposed Camp Road / Chilgrove Drive signalised junction.