



TECHNICAL NOTE

Date: 28 July 2022

File Ref: MA/VL/P22-2590/09TN Rev A

Subject: Highway Authority Comments Technical Note (Response)

1.0 INTRODUCTION

1.1 Create Consulting Engineers Ltd have been instructed by McDonald's Restaurants Ltd to prepare Highways-related submissions for a proposed McDonald's development adjacent to the B1057 Bumpstead Road, Haverhill, Suffolk.

1.2 Planning application ref: 22/01217/REM has been submitted and various comments from Essex County Council and West Suffolk Council have been received on highways due to this being a cross-border development.

1.3 It should be noted that development is already permitted on this Site by way of outline planning permission reference 15/01477/OUT:

- *Outline Planning Application (Means of Access included). – Cross Boundary Application - Development of up to 46,000sq.m of floor space for uses within B1, B2 and B8 of the Use Classes Order, road side uses (petrol filling station and restaurant/s, Use Class (A3/A5), car dealerships (sui generis), builders merchants (sui generis), ancillary lorry park for Business Park occupiers, together with landscaping, car and HGV parking and associated works and facilities including access.*

1.4 Comments have now been received from Essex County Council (as the Highway Authority) in respect of application ref: 22/01217/REM, summarised as follows:

- *Prior to commencement of the development the planning application drawings shall be revised and submitted to and approved in writing by the Local Planning Authority to show a footway/cycleway along the proposal Site access road and footpath/cycleway*

connection off Phoenix Road (there is a footway/cycleway along both Bumpstead Road and Phoenix Road on the same side of the road as the proposal Site).

- *The development shall be carried out in accordance with the approved drawings.*

1.5 This Technical Note 01 reviews those latest comments provided by the Highway Authority (included at Appendix A) and offers responses, where required:

Response

1.6 The proposed development layout submitted with the planning application has been updated (Appendix B) including minor adjustments to the internal car parking configuration and also cycle shelter positioning etc. The overall changes to the internal configuration do not significantly affect the fundamental layout of the scheme. However, for completeness vehicle swept path analysis has been revisited and carried out for the new layout. The updated set of AutoTrack drawings are provided at Appendix C.

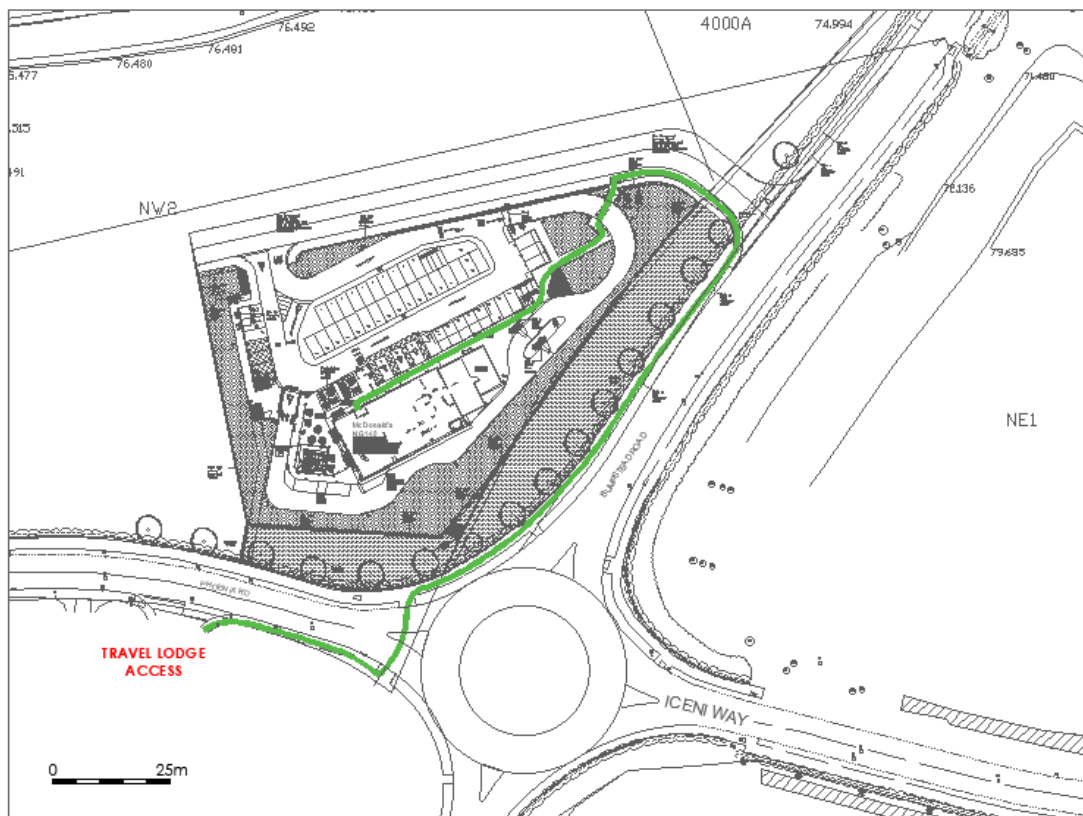


Figure 1.1: Indicative walking route between proposed McDonald's and Travel Lodge

1.7 Condition 3 of planning permission 15/01477/OUT states:

- *The development hereby permitted shall not be carried out except in complete accordance with the details shown on the submitted plans Nos. 151707/A/08 – Site Access NW2 from Bumpstead Road.*

- 1.8 Plan 151707/A/08 – Site Access NW2 from Bumpstead Road is enclosed herein at Appendix F.
- 1.9 The major update to the proposed development layout is the inclusion of a new pedestrian and cyclist link approximately 3.0m in width extending into to the Site's internal access road, connecting with the existing foot/cycleway on the West side of the B1057 Bumstead Road. Pedestrians are then able to cut into the Site approximately 100m to the East of the Site's direct vehicular access. A Zebra crossing format would then be provided across the restaurant's drive-through lane enabling pedestrians a more efficient route into the core of the Site than with the layout previously submitted. A footway would still continue along the northern boundary of the Site between the junction with the B1057 Bumstead Road and the Site's vehicular access point approximately 75m to the West.
- 1.10 In addition to the existing foot/cycleway on the West side of Bumpstead Road there is a similar provision along Phoenix Road immediately to the South of the Site. It is accepted that if a link to this facility could be created, it would provide a more direct connection between the restaurant and the existing Travel Lodge on the South side of Phoenix Road. However, the marked difference in levels between Phoenix Road and the Site means that achieving a direct non-motorised user link from Phoenix Road is not practical – unless steps were included in the design, which would raise issues in terms of overall accessibility.
- 1.11 Consequently, the layout for the proposed development includes only a non-motorised user connection from the B1057 Bumpstead Road. However, the new link that *is* included on the updated layout will still provide an effective means of access into the Site for such users with the main restaurant entrance located within approximately 275m of the Travel Lodge access (a walk time of 5 minutes). This is not an excessive distance/time and the McDonald's restaurant would still be readily accessible to guests and staff of the hotel and a direct link from Phoenix Road is not considered essential in this case.
- 1.12 Comments have also been received from West Suffolk Council in respect of application ref: 22/01217/REM. Their comments on highways issues which are embedded as part of their letter dated 27 June 2022 are summarised as follows:
- *It is considered that insufficient information has been provided by the applicant in relation to highway related impacts.*

Response

- 1.13 To provide insight into the potential travel demands arising from the proposed development, the TRICS database has been utilised to obtain “best-fit” trip rates for “Fast Food Drive-Thru” outside of the Greater London area. There are limited comparable surveys on the TRICS database, however, the samples within the database are comparable in terms of location to that of the proposed development and five of the samples are indeed derived from surveys

carried out at existing McDonald's operations. Therefore, the trip rates derived are considered sufficiently robust for the purpose of this report.

- 1.14 A copy of the TRICS data is enclosed (Appendix D).
- 1.15 Table 1.1 (below) summarises an account of potential traffic generation associated with the overall proposed development (McDonald's) for the AM (0800-0900), PM (1700-1800) and Saturday (1300-1400) peak hour periods.

McD's Trip Gen.						McDonald's Trip Rates					
AM	48	Arr	46	Dep	94	AM	13.745	Arr	13.004	Dep	26.749
PM	56	Arr	59	Dep	115	PM	16.015	Arr	16.783	Dep	32.798
SAT	133	Arr	129	Dep	262	SAT	37.946	Arr	36.905	Dep	74.851
Daily	838	Arr	835	Dep	1674	Daily	239.564	Arr	238.706	Dep	478.27

Table 1.1: Development Trip Generation

- 1.16 The levels of additional traffic generation arising from the overall proposed development are significant and particularly so in the Saturday peak hour. However, it should be noted that not all traffic would be new to the network and a substantial amount of trip generation would be pass-by/diverted traffic. For road-side restaurants with Drive-thru facilities studies have indicated that in the order of 60% of peak hour traffic would be pass-by/diverted. Accordingly, an average of 60% of all traffic to/from the Site being pass-by/diverted with the remaining traffic being new to the network. Essentially, this allows for traffic to turn off major routes (such as the A1017), then turn into the Site and upon exiting recommence their journey on the wider network. For the purposes of this assessment and having reviewed the associated traffic survey data, it is estimated that approximately 2/3 of all development-generated traffic would be assigned to/from the A1017. On this basis, the majority of traffic should not be required to turn right into the Site from Bumpstead Road (N).

- *The suitability of the proposed access, with consideration given to:*

Justification of the access in this location, rather than an access off Phoenix Road (noting the outline consent indicates use for B2/B8 use off Bumpstead Rd);

Response

- 1.17 The access onto Bumpstead Road as proposed is in accordance with that approved in connection with planning permission 15/01477/OUT. The layout and configuration of the proposed McDonald's requires that access be taken from Bumpstead Road. Access from Bumpstead Road also provides the drive-through/restaurant development with a more logical and prominent "front door" compared to access via Phoenix Road, which is considered to be a suitable access to serve primarily the proposed B2/B8 uses as part of the overall planning consent given this already serves as a means of access to the existing industrial estate to the West of the proposed development.

'no right turn' for vehicles travelling from North to South, directing users to go around the roundabout before turning left into the Site;

This will remove the potential of queueing traffic waiting to turn right;

Response

- 1.18 Our understanding is that “no right turn” from Bumpstead Road was not required in connection with planning permission 15/01477/OUT. In any event, the majority of traffic to/from the proposed development is anticipated to be via the A1017 to the South. Consequently, the dominant traffic movement should not be from the North and therefore, it would be disproportionate to formally ban right turns from Bumpstead Road into the Site. Should, however, some drivers wish to access the proposed development by u-turning at the Bumpstead Road/Phoenix Road roundabout to the South before turning left into the Site then this would be entirely possible on an informal basis.

The suitability of the proposed visibility splays given that West Suffolk County Council are aware that traffic survey data indicate speeds in excess of 30mph;

Response

- 1.19 An Automatic Traffic Counter (ATC) unit on Bumpstead Road was installed and recording data between 26-31/03/2022 and showed average speeds along this road to be 28mph northbound and 30mph southbound, with 85th %ile design speeds recorded to be 33mph and 35mph, respectively. Even when applying the more arduous standards of the Design Manual for Roads and Bridges, access visibility splays of 90m x 2.4m x 90m would be readily achievable due to the relatively straight alignment of Bumpstead Road and the wide foot/cycle and verge on the West side of the carriageway.
- 1.20 Access visibility splays are indicated on the scheme layout plan (Appendix B) and it is clear that these splays can be achieved. It should be noted that this matter will be covered separately and in full detail in line with Condition 5 of 15/01477/OUT.
- 1.21 The full set of ATC survey results are enclosed (Appendix E).

An assessment of the proposed parking, cycle spaces and EVC provision;

Pedestrian and cycle access routes, noting the obvious pedestrian desire lines into and through the site would likely see pedestrians crossing the drive through routes and potentially soft landscaping, to the detriment of the safety of all users and also to the character and appearance of the site as soft landscaping would be eroded through repeated pedestrian access;

Access, parking and manoeuvring of delivery lorries/ refuse collection at the Site;

Pedestrian and cycle links to the site from the wider area;

Based on the limited information available, West Suffolk has concerns regarding the impacts of the access in this location, the limited number of EVC charging points and cycle storage, the clear absence of 'desire line' pedestrian and cycle access and the lack of space for delivery vehicles.

Response

- 1.22 The proposed parking layout and EVC provision are clearly shown on the updated layout plans, and detailed swept path analysis using the appropriate vehicle types demonstrating how the layout suitability accommodates the required manoeuvres.
- 1.23 As stated in the preceding sections of this Technical Note, the updated layout plans illustrate improved pedestrian accessibility and the pedestrian linkage between the Site and the existing Travel Lodge to the South is also considered.

Conclusion

- 1.24 This report addresses those highways-related comments raised by Essex County Council and West Suffolk Council in connection with application ref: 22/01217/REM. In view of the responses provided, there should be no grounds for objection from these authorities in respect of access, accessibility and traffic impact on the local network.

Prepared By: Mark Allen, BSc (Hons), MRTPI, MCIHT

Checked By: Aidan Fisher, BSc (Hons), MTPS

Appendices:	A	Highways Comments (Essex CC/West Suffolk Council)
	B	Updated Site Layout
	C	Swept Path Analysis
	D	TRICS Data
	E	ATC Survey Results
	F	151707/A/08 – Site Access NW2 from Bumpstead Road

APPENDICES

APPENDIX A

Consultee Comments for Planning Application

22/01217/REM

Application Summary

Application Number: 22/01217/REM

Address: Land At Haverhill Business Park Phoenix Road Helions Bumpstead Essex

Proposal: Application for the Approval of Reserved Matters (in respect of Access, Appearance, Landscaping, Layout and Scale) pursuant to outline planning permission 15/01477/OUT granted 04.10.2016 for: Construction of access road and the erection of a freestanding drive-thru restaurant with car parking, goal post height restrictor, customer order displays and associated works.

Case Officer: Carol Wallis

Consultee Details

Name: Mr Martin Mason ECC Highways

Address: County Hall, Chelmsford CM1 1QH

Email: Not Available

On Behalf Of: ECC Highways

Comments

Dear Carol,

Thank you for your consultation dated 17th May 2022.

Having reviewed the submitted information, I confirm that from a highway and transportation perspective the impact of the proposal is acceptable to the Highway Authority subject to the following requirement:

1. Prior to commencement of the development the planning application drawings shall be revised and submitted to and approved in writing by the Local Planning Authority to show a footway/cycleway along the proposal site access road and footpath/cycleway connection off Phoenix Road (there is a footway/cycleway along both Bumpstead Road and Phoenix Road on the same side of the road as the proposal site)

The development shall be carried out in accordance with the approved drawings

Reason: To protect highway efficiency of movement and safety and to ensure the proposal site is accessible by more sustainable modes of transport such as public transport, cycling and walking, in accordance with policy DM1 and DM9 of the Highway Authoritys Development Management Policies as adopted as County Council Supplementary Guidance in February 2011

Notes:

- a) The above requirement should be imposed by way of negative planning conditions or planning obligation agreements as appropriate
- b) Prior to any works taking place in the highway the developer should enter into an agreement with the Highway Authority under the Highways Act 1980 to regulate the construction of the highway works
- c) All or some of the above requirements may attract the need for a commuted sum towards their future maintenance (details should be agreed with the Highway Authority as soon as possible)
- d) All work within or affecting the highway should be laid out and constructed by prior arrangement with and to the requirements and satisfaction of the Highway Authority, details to be agreed before commencement of the works. An application for the necessary works should be made to development.management@essexhighways.org

Thanks again & best wishes.

Martin



Carol Wallis
Development Management
Braintree District Council
Causeway House
Bocking End
Braintree
CM7 9HB

Your Reference: 22/01217/REM

Today's date: 27 June 2022

West Suffolk Council's Consultation Response

Proposal: 22/01217/REM | **Application for the Approval of Reserved Matters (in respect of Access, Appearance, Landscaping, Layout and Scale) pursuant to outline planning permission 15/01477/OUT granted 04.10.2016 for: Construction of access road and the erection of a freestanding drive-thru restaurant with car parking, goal post height restrictor, customer order displays and associated works.**

Location: **Land At Haverhill Business Park Phoenix Road Helions Bumpstead Essex**

Dear Carol

Thank you for consulting with West Suffolk Council regarding the above planning application. Whilst the application site is within the District of Braintree, it is adjacent to the boundary with West Suffolk and this reserved matters application relates to an outline planning permission for a larger site, which was a cross boundary application with both Braintree and West Suffolk (reference 15/01477/OUT).

West Suffolk objects to the proposal for the following reasons:

Design and Appearance

The site is located in a prominent location and is highly visible from Bumpsstead Rd, Phoenix Rd and Helions Bumpstead Rd. The proposed landscaping plan indicates that the existing trees and the majority of the existing hedge along Bumpsstead Rd and Phoenix Rd will be retained. Plan numbers 004 and 007 indicate the areas designated for soft landscaping, with the details to be submitted by condition. West Suffolk has the following concerns and comments regarding the proposed landscaping arrangement:

- The existing trees and hedge are not sufficient to acceptably reduce the otherwise stark visual impacts of the development from Bumpstead Rd, Phoenix Rd and Helions Bumpstead Rd.
- The location plan indicates that the land adjacent to Bumpstead Rd is not land within the applicant's control. Therefore, there are limited options along this boundary for landscaping and the area indicated as landscaping within the red line is likely too narrow in parts for any meaningful beneficial impact.
- No landscaping is proposed along the majority of northern boundary. Notwithstanding future development coming forward to the north, improvements should be sought to create a softer edge along this boundary.

The proposed play equipment is generously scaled and is located in a highly visible position along Phoenix Rd. Consideration should be given to the alternative siting of the play equipment to reduce its visual impact from the public realm and/ or the opportunity for sufficient landscaping along the southern boundary to screen the play equipment.

Overall, it is considered that the site layout is cramped and presents an overly engineered and vehicle dominated arrangement, with plainly inadequate soft landscaping, to the clear detriment of the siting of the building and character and appearance of the immediate and wider area on this key entrance to Haverhill. Proposed street scene images, which should include indicative landscaping proposals, should be provided by the applicant so that the visual impacts of the proposal can be assessed further.

Highways

It is considered that insufficient information has been provided by the applicant in relation to highway related impacts. A transport assessment should be provided to assess the proposal in relation to the anticipated volume of customers using the drive-through. This assessment should include the following:

- The suitability of the proposed access, with consideration given to:
 - o Justification of the access in this location, rather than an access off Phoenix Way (noting the outline consent indicates use for B2/B8 use off Bumpstead Rd)
 - o a 'no right turn' for vehicles travelling from north to south, directing users to go around the roundabout before turning left into the site. This will remove the potential of queueing traffic waiting to turn right.
 - o The suitability of the proposed visibility splays given that West Suffolk Council are aware that traffic survey data indicate speeds in excess of 30mph.
- An assessment of the proposed parking, cycle spaces and EVC provision
- Pedestrian and cycle access routes, noting the obvious pedestrian desire lines into and through the site would likely see pedestrians crossing the drive through routes and potentially soft landscaping, to the detriment of

- the safety of all users and also to the character and appearance of the site as soft landscaping would be eroded through repeated pedestrian access
- Access, parking and manoeuvring of delivery lorries/ refuse collection at the site
 - Pedestrian and cycle links to the site from the wider area

Based on the limited information available, West Suffolk has concerns regarding the impacts of the access in this location, the limited number of EVC charging points and cycle storage, the clear absence of 'desire line' pedestrian and cycle access and the lack of space for delivery vehicles.

Amenity

Insufficient information has been provided by the applicant in relation to residential amenity. A Noise Impact Assessment should be provided so that the acoustic impacts of the proposal can be assessed, including noise emanating from external speakers and plant equipment. Details of external lighting and a waste and litter management strategy should be submitted or required by condition. We also urge Braintree District Council to ensure adequate protection of amenity from odour, with reference to further formal assessment of such as required.

Thank you for your consideration of the above points. We are aware that Suffolk County Council Highways will also be submitting comments. We would welcome a re-consultation if any further relevant information is received by Braintree District Council.

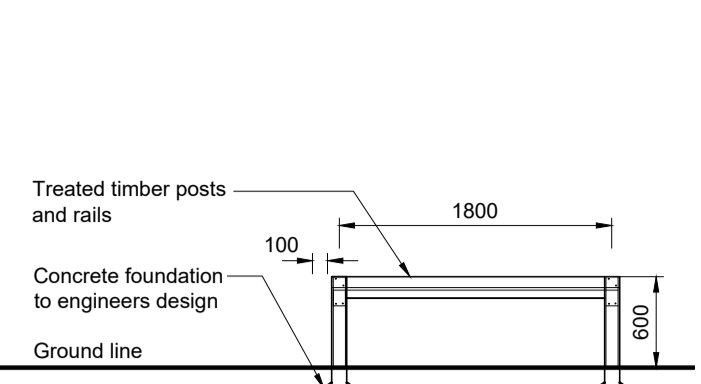
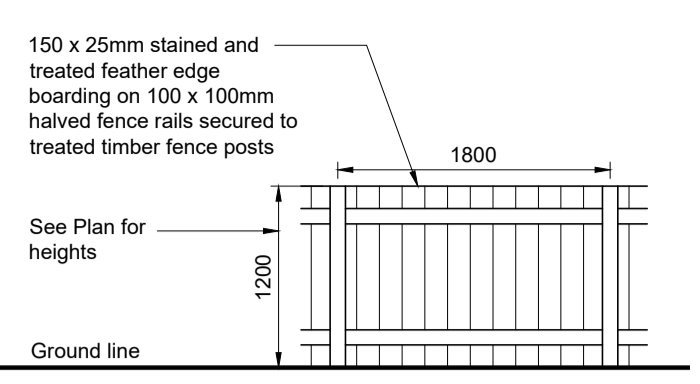
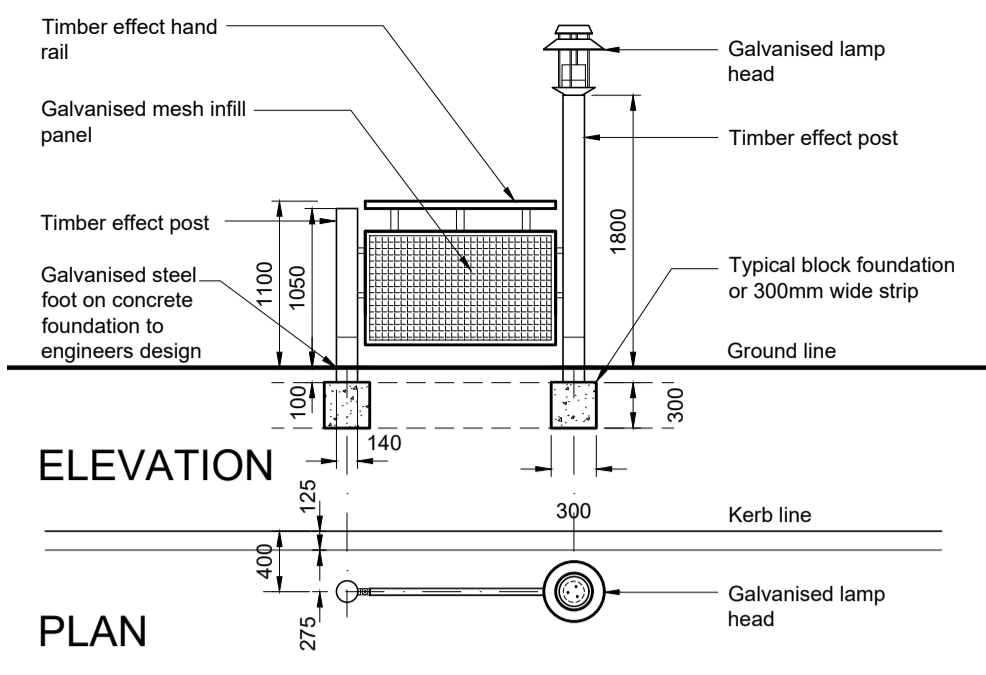
If you have any queries, please do not hesitate to contact me.

Yours sincerely,

Amy Murray

Amy Murray
Senior Planning Officer
Direct Line: 01284 757366
Email: amy.murray@westsuffolk.gov.uk

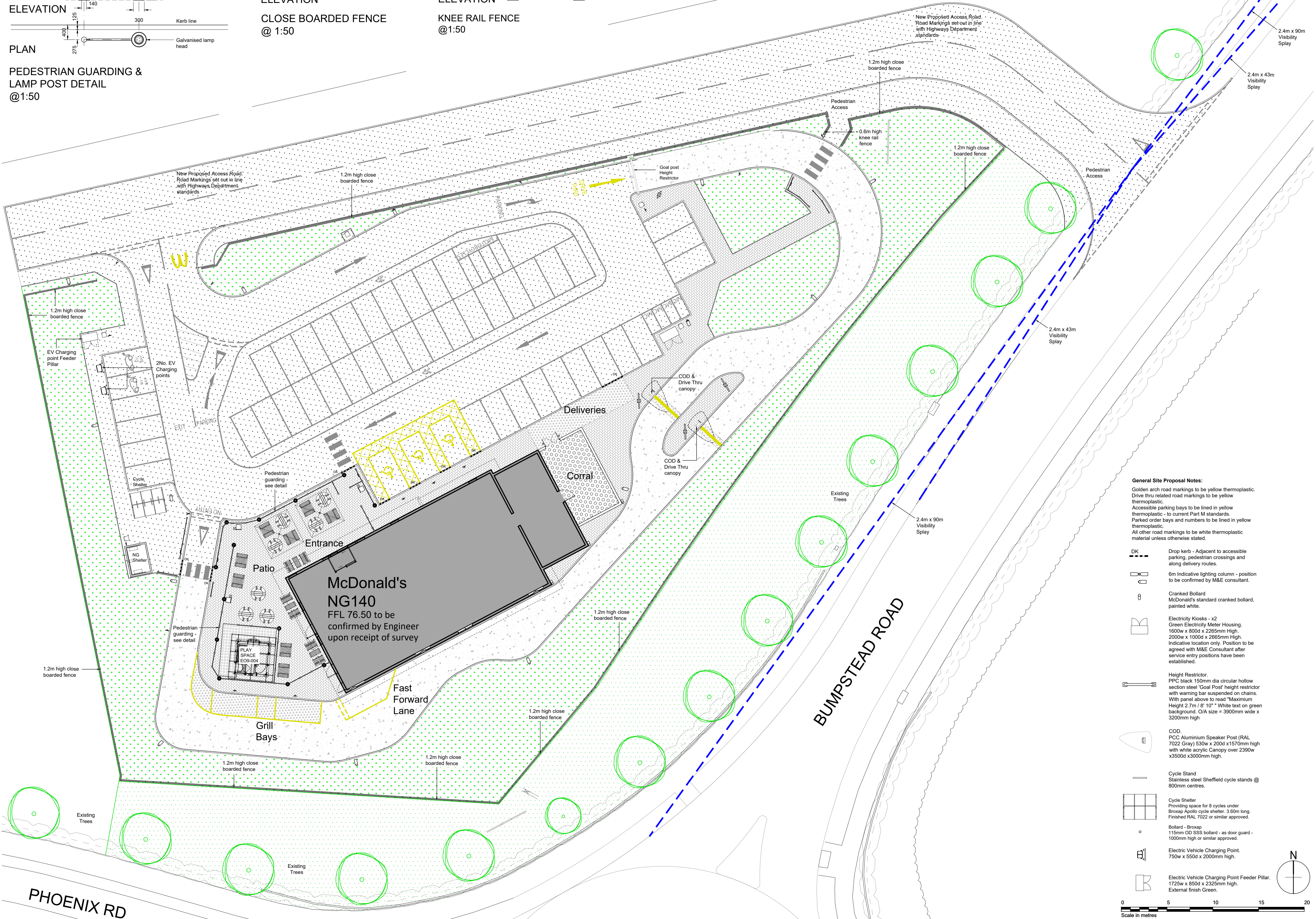
APPENDIX B



PEDESTRIAN GUARDING & LAMP POST DETAIL @1:50

**ELEVATION
CLOSE BOARDED FENCE @ 1:50**

**ELEVATION
KNEE RAIL FENCE @1:50**



Notes:
 All drawings to be read in conjunction with all other drawings as noted on issue sheet.

- Proposed Site Finishes:**
- Tarmacadam - Car park and footpaths as indicated.
 - Marshalls 200 x 100mm Charcoal Keyblok paving - Patio
 - Charcoal imprinted concrete - Drive thru lane.
 - Charcoal brushed concrete - delivery route.
 - Brushed concrete - Corral.
 - Safety floor: Min. 50mm thick wet pour bounded rubber - to be confirmed by Project Manager.
 - Soft landscaping - see drawing No P007 for further details.
 - Existing landscaping to be retained.
 - Tactile blister paving.

External Fixtures & Fittings:

Aubrilam - Range Euroline 3 Mix 2015
 Electrogalvanised steel structure, PPC RAL 7022. Table legs made of extruded aluminium, PPC RAL 7022. Table seats & plate in 12mm HPL panel with 12mm beech plywood HPL veneer.
 Coffee table, single chair, bench and 2 seat table and round table must be fixed to the ground.

- 4 seats - Round Table.
- 4 seats - Rectangular Table.
- One Armrest Bench (left or right).
- Coffee Table.
- Single Chair.
- Umbrella. 4 x 4m Force 10 umbrella - colour black - with applied Golden arch logo.
- Dust Bin with "Tidy Man" Sticker.
- Ash Bin.
- Pedestrian Guarding 1500mm or 600mm long x 1100mm high. Timber effect galvanised steel.
- Target Trash Bin Combo Delta Large Aperture Litter Bin by Glasdon. 530mm x 470mm high x 1550mm high. Bin body & door: Black.
- Shelter 3400mm x 2400mm x 2300mm high. Steel frame with panels to 3 sides and profile metal roof. Complete with 2No benches and waste bin.
- Play Frame (E09-004) Tubular aluminium climbing frame with coloured (red, white & timber) laminate side panels, clear acrylic windows and fabric roof canopy. 3.8w x 3.8d x 4.5m high. See manufacturers information for further details.

General Site Proposal Notes:

Golden arch road markings to be yellow thermoplastic.
 Drive thru related road markings to be yellow thermoplastic.
 Accessible parking bays to be lined in yellow thermoplastic - to current Part M standards.
 Parked order bays and numbers to be lined in yellow thermoplastic.
 All other road markings to be white thermoplastic material unless otherwise stated.

- DK Drop kerb - Adjacent to accessible parking, pedestrian crossings and along delivery routes.
- 6m Indicative lighting column - position to be confirmed by M&E consultant.
- Cranked Bollard McDonald's standard cranked bollard, painted white.
- Electricity Kiosks - x2 Green Electricity Meter Housing. 1600w x 800d x 2265mm High. 2000w x 1000d x 2665mm High. Indicative location only. Position to be agreed with M&E Consultant after service entry positions have been established.
- Height Restrictor. PPC black 150mm dia circular hollow section steel "Goal Post" height restrictor with warning bar suspended on chains. With panel above to read "Maximum Height 2.7m / 8' 10" White text on green background. O/A size = 3900mm wide x 3200mm high.
- COD. PCC Aluminium Speaker Post (RAL 7022 Gray) 530w x 200d x 1570mm high with white acrylic Canopy over 2390w x 3500d x 3000mm high.
- Cycle Stand Stainless steel Sheffield cycle stands @ 800mm centres.
- Cycle Shelter Providing space for 8 cycles under Broxap Apollo cycle shelter. 3.60m long. Finished RAL 7022 or similar approved.
- Bollard - Broxap 115mm OD S35 bollard - as door guard - 1000mm high or similar approved.
- Electric Vehicle Charging Point. 750w x 550d x 2000mm high.
- Electric Vehicle Charging Point Feeder Pillar. 1725w x 850d x 2325mm high. External finish Green.

REV.	DATE	DESCRIPTION	DRAWING REVISIONS	BY	CHECKED
B	24.06.22	Revised Pedestrian links.		BV	
A	04.05.22	Visibility splays indicated.		JK	

GENERAL NOTES:
 All works are to be undertaken in accordance with the Building Regulations and the latest British Standards.
 All proprietary materials and products are to be used as per the manufacturer's recommendations.
 All dimensions to be checked on site prior to construction.
 All risks assessed to comply with the designer's responsibility under the Construction (Design Management) Regulations 2015.

PROPOSED DEVELOPMENT AT:
 Bumpstead Road, Haverrill Business Park
 HAVERHILL CB9

STORE No: -
 NB 8333

ON BEHALF OF:
 McDonald's Restaurants Ltd

DRAWING TITLE:
 Site Layout Plan As Proposed

DRAWN BY: BV
SCALE & SIZE: 1:200@A1

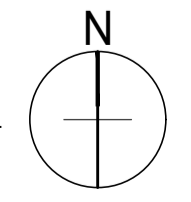
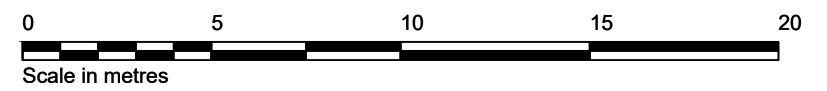
DESIGNED BY: JK
DATE: April 2022

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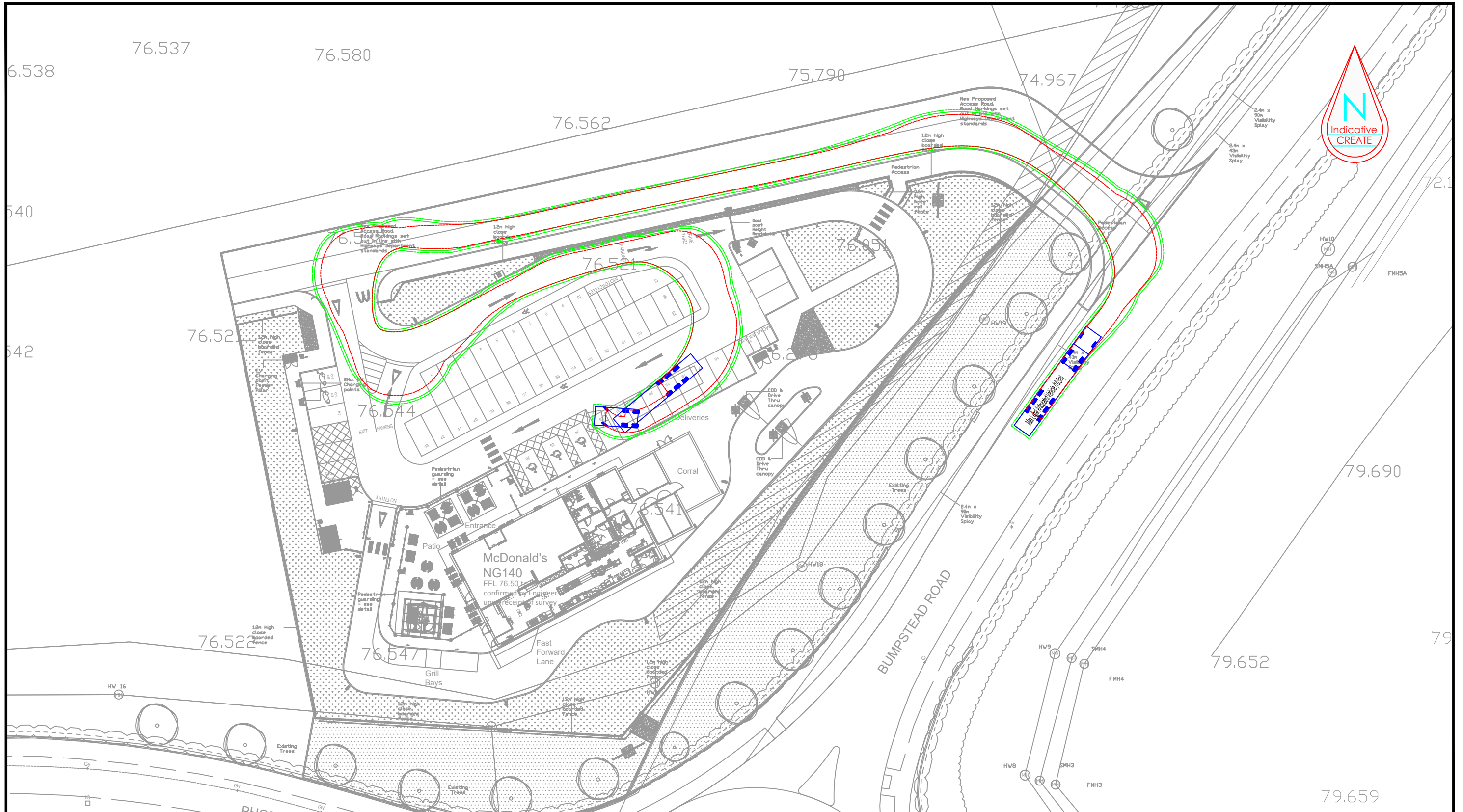


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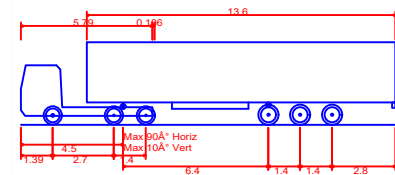
APPENDIX C



THE VEHICLE TRACKS SHOWN WERE PRODUCED USING AUTOTRACK VERSION 11.00a AND ARE INDICATIVE OF THE MOVEMENTS ACHIEVABLE FROM THE VEHICLE TYPE SHOWN. NO GUARANTEE IS GIVEN THAT THE TRACK RUNS SHOWN ARE ACTUALLY ACHIEVABLE BY ALL INDIVIDUAL MAKES AND MODELS OF SIMILAR TYPES VEHICLES USING THE ILLUSTRATED ROUTES.

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VEHICLE LIBRARY



Max Legal Articulated Vehicle (16.5m)
 Overall Length 16.500m
 Overall Width 2.500m
 Overall Body Height 3.632m
 Min Body Ground Clearance 0.396m
 Max Track Width 2.500m
 Lock to Lock Time 6.00s
 Kerb to Kerb Turning Radius 6.870m

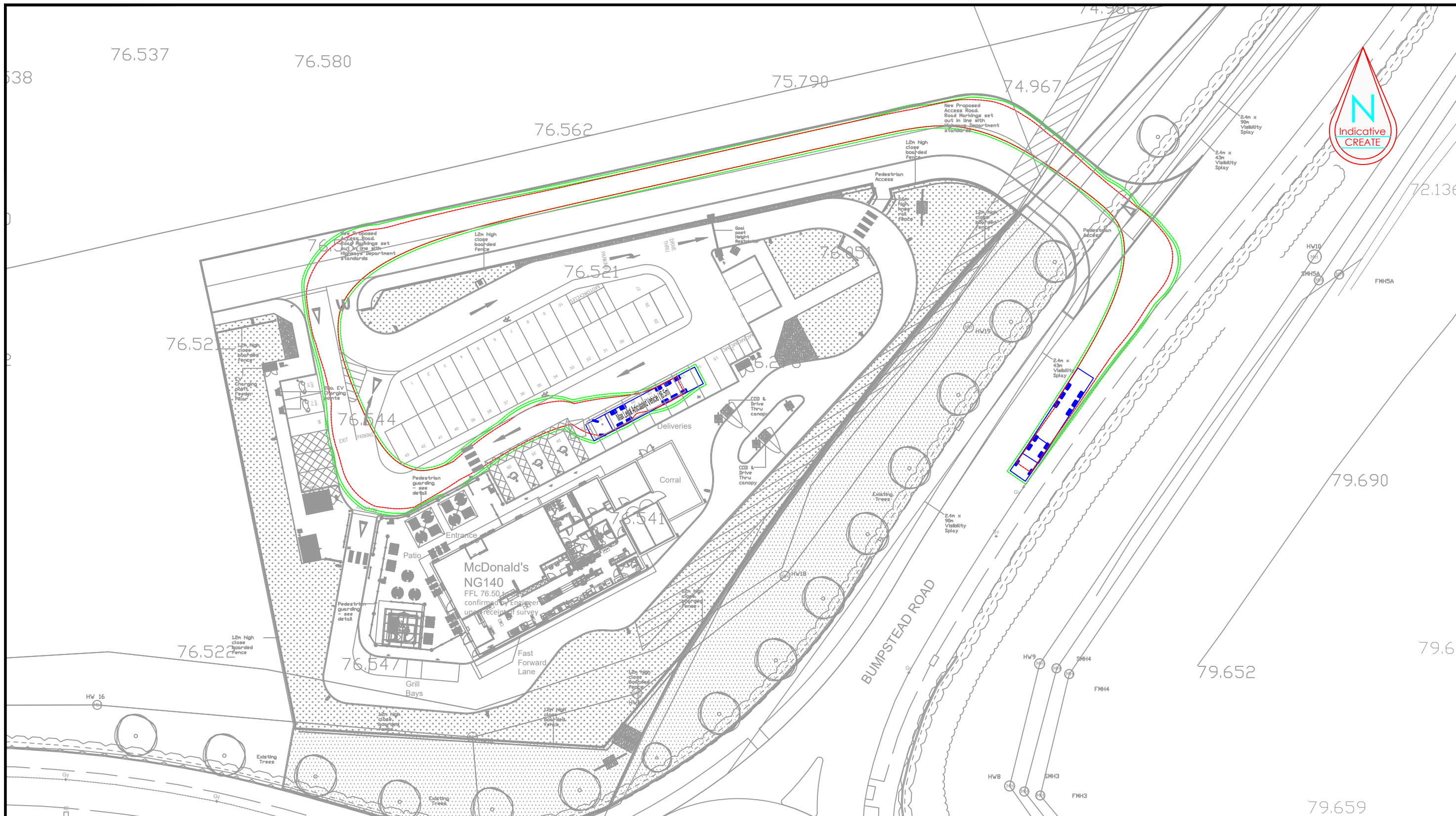
KEY:

- WHEEL ROUTE
- VEHICLE BODY
- WING MIRROR

REV	DATE	AMENDMENT DETAILS	DRAWN	APPROVED
B	18.07.22	LAYOUT UPDATED	AF	MDA
A	20.04.22	LAYOUT UPDATED	AF	JB

PROJECT MCDONALD'S MD AT HAVERHILL	DATE 28.03.22	DRAWING STATUS INFORMATION	
DRAWING TITLE DELIVERY VEHICLE ARRIVAL SWEEP PATH ANALYSIS	SCALE(S) 1:500	DESIGNED AF	DRAWN AF
CLIENT MCDONALD'S RESTAURANTS LTD	JOB No 2590	CHECKED MDA	APPROVED MDA
	DRAWING No 03/001	REVISION B	

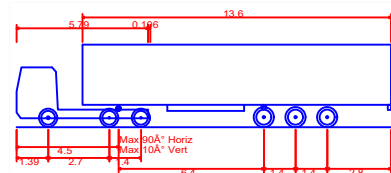
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THE VEHICLE TRACKS SHOWN WERE PRODUCED USING AUTOTRACK VERSION 11.00a AND ARE INDICATIVE OF THE MOVEMENTS ACHIEVABLE FROM THE VEHICLE TYPE SHOWN. NO GUARANTEE IS GIVEN THAT THE TRACK RUNS SHOWN ARE ACTUALLY ACHIEVABLE BY ALL INDIVIDUAL MAKES AND MODELS OF SIMILAR TYPES VEHICLES USING THE ILLUSTRATED ROUTES.

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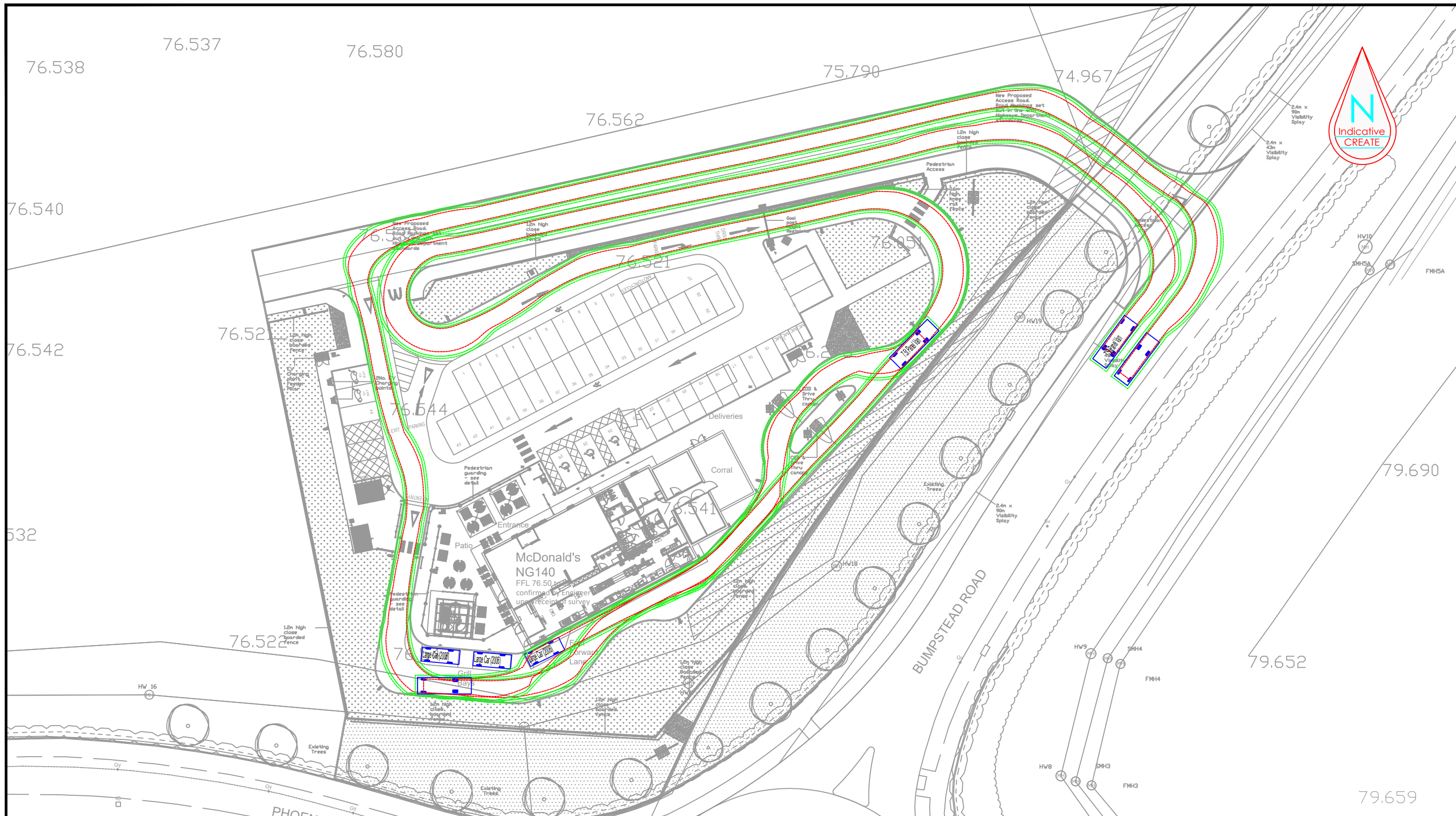
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- VEHICLE BODY
- WING MIRROR

REV	DATE	AMENDMENT DETAILS	DRAWN	APPROVED
B	18.07.22	LAYOUT UPDATED	AF	MDA
A	20.04.22	LAYOUT UPDATED	AF	JB

PROJECT MCDONALD'S MD AT HAVERHILL	DATE 28.03.22	DRAWING STATUS INFORMATION		
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CLIENT MCDONALD'S RESTAURANTS LTD	JOB No 2590	CHECKED MDA	APPROVED MDA	
DRAWING No 03/002		REVISION B		

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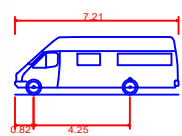
ORIGINAL SHEET SIZE - A3 Landscape DO NOT SCALE



THE VEHICLE TRACKS SHOWN WERE PRODUCED USING AUTOTRACK VERSION 11.00a AND ARE INDICATIVE OF THE MOVEMENTS ACHIEVABLE FROM THE VEHICLE TYPE SHOWN. NO GUARANTEE IS GIVEN THAT THE TRACK RUNS SHOWN ARE ACTUALLY ACHIEVABLE BY ALL INDIVIDUAL MAKES AND MODELS OF SIMILAR TYPES VEHICLES USING THE ILLUSTRATED ROUTES.

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VEHICLE LIBRARY



7.5t Panel Van
 Overall Length 7.210m
 Overall Width 2.192m
 Overall Body Height 2.544m
 Min Body Ground Clearance 0.316m
 Track Width 1.865m
 Lock to Lock Time 4.00s
 Kerb to Kerb Turning Radius 7.400m

KEY:

- WHEEL ROUTE
- VEHICLE BODY
- - - WING MIRROR

REV	DATE	AMENDMENT DETAILS	DRAWN	APPROVED
C	18.07.22	LAYOUT UPDATED	AF	MDA
B	20.04.22	LAYOUT UPDATED	AF	JB
A	05.04.22	TRACK ADDED	AF	AF

PROJECT MCDONALD'S MD AT HAVERHILL	DATE 28.03.22	DRAWING STATUS INFORMATION	
DRAWING TITLE LWB VAN SWEPT PATH ANALYSIS	SCALE(S) 1:500	DESIGNED AF	DRAWN AF
CLIENT MCDONALD'S RESTAURANTS LTD	JOB No 2590	CHECKED MDA	APPROVED MDA
	DRAWING No 03/004	REVISION C	



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ORIGINAL SHEET SIZE - A3 Landscape DO NOT SCALE

APPENDIX D

Calculation Reference: AUDIT-649801-220425-0413

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

03	SOUTH WEST	
	DV DEVON	1 days
	GS GLOUCESTERSHIRE	1 days
04	EAST ANGLIA	
	CA CAMBRIDGESHIRE	1 days
05	EAST MIDLANDS	
	DS DERBYSHIRE	1 days
	LN LINCOLNSHIRE	1 days
06	WEST MIDLANDS	
	WO WORCESTERSHIRE	1 days
08	NORTH WEST	
	MS MERSEYSIDE	1 days

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

Primary Filtering selection:

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

Parameter: Gross floor area
 Actual Range: 225 to 490 (units: sqm)
 Range Selected by User: 210 to 800 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 26/11/21

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

Selected survey days:

Tuesday	1 days
Wednesday	1 days
Friday	2 days
Saturday	2 days
Sunday	1 days

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

Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

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

Selected Locations:

Suburban Area (PPS6 Out of Centre)	5
Edge of Town	2

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

Selected Location Sub Categories:

Development Zone	1
Residential Zone	1
Retail Zone	2
Out of Town	1
No Sub Category	2

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village,

Secondary Filtering selection:

Use Class:

Not Known 7 days

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

Population within 500m Range:

All Surveys Included

Population within 1 mile:

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

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

Population within 5 miles:

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

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

Car ownership within 5 miles:

0.6 to 1.0	5 days
1.1 to 1.5	2 days

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

Travel Plan:

No 7 days

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

PTAL Rating:

No PTAL Present 7 days

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

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

1	CA-06-D-02 NEWMARKET ROAD CAMBRIDGE	MCDONALD'S	CAMBRI D G E S H I R E
	Suburban Area (PPS6 Out of Centre) Residential Zone Total Gross floor area: 435 sqm <i>Survey date: TUESDAY 19/09/17</i>		<i>Survey Type: MANUAL</i>
2	DS-06-D-01 WYVERN WAY DERBY PRIDE PARK	KFC	D E R B Y S H I R E
	Suburban Area (PPS6 Out of Centre) Development Zone Total Gross floor area: 370 sqm <i>Survey date: SUNDAY 26/07/15</i>		<i>Survey Type: MANUAL</i>
3	DV-06-D-01 HELE ROAD TORQUAY	MCDONALD'S	D E V O N
	Suburban Area (PPS6 Out of Centre) Retail Zone Total Gross floor area: 447 sqm <i>Survey date: SATURDAY 30/03/19</i>		<i>Survey Type: MANUAL</i>
4	GS-06-D-01 BRISTOL ROAD GLOUCESTER HARDWICKE	MCDONALD'S	G L O U C E S T E R S H I R E
	Edge of Town Out of Town Total Gross floor area: 225 sqm <i>Survey date: SATURDAY 24/04/21</i>		<i>Survey Type: MANUAL</i>
5	LN-06-D-02 RYHALL ROAD STAMFORD	MCDONALD'S	L I N C O L N S H I R E
	Edge of Town Retail Zone Total Gross floor area: 490 sqm <i>Survey date: WEDNESDAY 13/10/21</i>		<i>Survey Type: MANUAL</i>
6	MS-06-D-01 SAINT HELENS LINKWAY SAINT HELENS	MCDONALD'S	M E R S E Y S I D E
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area: 463 sqm <i>Survey date: FRIDAY 16/04/21</i>		<i>Survey Type: MANUAL</i>
7	WO-06-D-01 CLEWS ROAD REDDITCH	KFC	W O R C E S T E R S H I R E
	Suburban Area (PPS6 Out of Centre) No Sub Category Total Gross floor area: 436 sqm <i>Survey date: FRIDAY 02/10/20</i>		<i>Survey Type: MANUAL</i>

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

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/D - FAST FOOD - DRIVE THROUGH
 TOTAL VEHICLES
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.204	1	490	0.000	1	490	0.204
06:00 - 07:00	4	387	6.525	4	387	5.943	4	387	12.468
07:00 - 08:00	6	405	11.770	6	405	10.823	6	405	22.593
08:00 - 09:00	6	405	13.745	6	405	13.004	6	405	26.749
09:00 - 10:00	6	405	16.008	6	405	15.309	6	405	31.317
10:00 - 11:00	7	409	12.980	7	409	12.910	7	409	25.890
11:00 - 12:00	7	409	14.410	7	409	13.224	7	409	27.634
12:00 - 13:00	7	409	19.365	7	409	18.528	7	409	37.893
13:00 - 14:00	7	409	16.748	7	409	17.481	7	409	34.229
14:00 - 15:00	7	409	14.515	7	409	15.492	7	409	30.007
15:00 - 16:00	7	409	14.864	7	409	14.620	7	409	29.484
16:00 - 17:00	7	409	14.655	7	409	14.550	7	409	29.205
17:00 - 18:00	7	409	16.015	7	409	16.783	7	409	32.798
18:00 - 19:00	7	409	17.341	7	409	17.306	7	409	34.647
19:00 - 20:00	7	409	13.817	7	409	15.387	7	409	29.204
20:00 - 21:00	7	409	12.247	7	409	12.421	7	409	24.668
21:00 - 22:00	7	409	10.328	7	409	10.363	7	409	20.691
22:00 - 23:00	6	405	8.515	6	405	8.556	6	405	17.071
23:00 - 24:00	6	405	5.512	6	405	6.006	6	405	11.518
Total Rates:			239.564			238.706			478.270

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

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

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Parameter summary

Trip rate parameter range selected: 225 - 490 (units: sqm)
 Survey date range: 01/01/14 - 26/11/21
 Number of weekdays (Monday-Friday): 4
 Number of Saturdays: 2
 Number of Sundays: 1
 Surveys automatically removed from selection: 0
 Surveys manually removed from selection: 0

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

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

TAXIS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.000	1	490	0.000	1	490	0.000
06:00 - 07:00	4	387	0.000	4	387	0.000	4	387	0.000
07:00 - 08:00	6	405	0.041	6	405	0.041	6	405	0.082
08:00 - 09:00	6	405	0.000	6	405	0.000	6	405	0.000
09:00 - 10:00	6	405	0.165	6	405	0.165	6	405	0.330
10:00 - 11:00	7	409	0.000	7	409	0.000	7	409	0.000
11:00 - 12:00	7	409	0.105	7	409	0.105	7	409	0.210
12:00 - 13:00	7	409	0.209	7	409	0.174	7	409	0.383
13:00 - 14:00	7	409	0.000	7	409	0.035	7	409	0.035
14:00 - 15:00	7	409	0.070	7	409	0.070	7	409	0.140
15:00 - 16:00	7	409	0.000	7	409	0.000	7	409	0.000
16:00 - 17:00	7	409	0.070	7	409	0.070	7	409	0.140
17:00 - 18:00	7	409	0.140	7	409	0.070	7	409	0.210
18:00 - 19:00	7	409	0.105	7	409	0.174	7	409	0.279
19:00 - 20:00	7	409	0.070	7	409	0.070	7	409	0.140
20:00 - 21:00	7	409	0.140	7	409	0.105	7	409	0.245
21:00 - 22:00	7	409	0.035	7	409	0.070	7	409	0.105
22:00 - 23:00	6	405	0.041	6	405	0.041	6	405	0.082
23:00 - 24:00	6	405	0.000	6	405	0.000	6	405	0.000
Total Rates:			1.191			1.190			2.381

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

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

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/D - FAST FOOD - DRIVE THROUGH
 OGVS
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.000	1	490	0.000	1	490	0.000
06:00 - 07:00	4	387	0.000	4	387	0.065	4	387	0.065
07:00 - 08:00	6	405	0.041	6	405	0.041	6	405	0.082
08:00 - 09:00	6	405	0.082	6	405	0.082	6	405	0.164
09:00 - 10:00	6	405	0.123	6	405	0.082	6	405	0.205
10:00 - 11:00	7	409	0.174	7	409	0.140	7	409	0.314
11:00 - 12:00	7	409	0.035	7	409	0.105	7	409	0.140
12:00 - 13:00	7	409	0.035	7	409	0.000	7	409	0.035
13:00 - 14:00	7	409	0.035	7	409	0.070	7	409	0.105
14:00 - 15:00	7	409	0.035	7	409	0.035	7	409	0.070
15:00 - 16:00	7	409	0.035	7	409	0.000	7	409	0.035
16:00 - 17:00	7	409	0.035	7	409	0.070	7	409	0.105
17:00 - 18:00	7	409	0.000	7	409	0.000	7	409	0.000
18:00 - 19:00	7	409	0.000	7	409	0.000	7	409	0.000
19:00 - 20:00	7	409	0.035	7	409	0.000	7	409	0.035
20:00 - 21:00	7	409	0.000	7	409	0.035	7	409	0.035
21:00 - 22:00	7	409	0.000	7	409	0.000	7	409	0.000
22:00 - 23:00	6	405	0.000	6	405	0.000	6	405	0.000
23:00 - 24:00	6	405	0.000	6	405	0.000	6	405	0.000
Total Rates:			0.665			0.725			1.390

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.000	1	490	0.000	1	490	0.000
06:00 - 07:00	4	387	0.065	4	387	0.000	4	387	0.065
07:00 - 08:00	6	405	0.123	6	405	0.041	6	405	0.164
08:00 - 09:00	6	405	0.123	6	405	0.000	6	405	0.123
09:00 - 10:00	6	405	0.165	6	405	0.082	6	405	0.247
10:00 - 11:00	7	409	0.105	7	409	0.140	7	409	0.245
11:00 - 12:00	7	409	0.209	7	409	0.105	7	409	0.314
12:00 - 13:00	7	409	0.454	7	409	0.209	7	409	0.663
13:00 - 14:00	7	409	0.174	7	409	0.558	7	409	0.732
14:00 - 15:00	7	409	0.070	7	409	0.140	7	409	0.210
15:00 - 16:00	7	409	0.488	7	409	0.349	7	409	0.837
16:00 - 17:00	7	409	0.070	7	409	0.244	7	409	0.314
17:00 - 18:00	7	409	0.244	7	409	0.140	7	409	0.384
18:00 - 19:00	7	409	0.174	7	409	0.314	7	409	0.488
19:00 - 20:00	7	409	0.105	7	409	0.174	7	409	0.279
20:00 - 21:00	7	409	0.070	7	409	0.035	7	409	0.105
21:00 - 22:00	7	409	0.140	7	409	0.174	7	409	0.314
22:00 - 23:00	6	405	0.000	6	405	0.000	6	405	0.000
23:00 - 24:00	6	405	0.000	6	405	0.000	6	405	0.000
Total Rates:			2.779			2.705			5.484

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.204	1	490	0.000	1	490	0.204
06:00 - 07:00	4	387	5.103	4	387	4.522	4	387	9.625
07:00 - 08:00	6	405	9.053	6	405	8.519	6	405	17.572
08:00 - 09:00	6	405	11.440	6	405	10.947	6	405	22.387
09:00 - 10:00	6	405	13.951	6	405	13.086	6	405	27.037
10:00 - 11:00	7	409	11.130	7	409	11.061	7	409	22.191
11:00 - 12:00	7	409	12.770	7	409	11.619	7	409	24.389
12:00 - 13:00	7	409	17.097	7	409	16.399	7	409	33.496
13:00 - 14:00	7	409	14.899	7	409	15.946	7	409	30.845
14:00 - 15:00	7	409	12.945	7	409	13.433	7	409	26.378
15:00 - 16:00	7	409	13.747	7	409	13.643	7	409	27.390
16:00 - 17:00	7	409	13.433	7	409	13.294	7	409	26.727
17:00 - 18:00	7	409	14.550	7	409	15.213	7	409	29.763
18:00 - 19:00	7	409	16.050	7	409	16.260	7	409	32.310
19:00 - 20:00	7	409	12.596	7	409	13.887	7	409	26.483
20:00 - 21:00	7	409	11.619	7	409	11.584	7	409	23.203
21:00 - 22:00	7	409	9.770	7	409	9.805	7	409	19.575
22:00 - 23:00	6	405	8.145	6	405	8.063	6	405	16.208
23:00 - 24:00	6	405	5.224	6	405	5.718	6	405	10.942
Total Rates:			213.726			212.999			426.725

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.000	1	490	0.000	1	490	0.000
06:00 - 07:00	4	387	1.421	4	387	1.357	4	387	2.778
07:00 - 08:00	6	405	2.428	6	405	2.181	6	405	4.609
08:00 - 09:00	6	405	2.016	6	405	1.852	6	405	3.868
09:00 - 10:00	6	405	1.728	6	405	1.811	6	405	3.539
10:00 - 11:00	7	409	1.465	7	409	1.535	7	409	3.000
11:00 - 12:00	7	409	1.431	7	409	1.291	7	409	2.722
12:00 - 13:00	7	409	1.675	7	409	1.640	7	409	3.315
13:00 - 14:00	7	409	1.675	7	409	1.326	7	409	3.001
14:00 - 15:00	7	409	1.361	7	409	1.779	7	409	3.140
15:00 - 16:00	7	409	0.907	7	409	0.837	7	409	1.744
16:00 - 17:00	7	409	1.012	7	409	0.907	7	409	1.919
17:00 - 18:00	7	409	1.256	7	409	1.396	7	409	2.652
18:00 - 19:00	7	409	1.082	7	409	0.768	7	409	1.850
19:00 - 20:00	7	409	0.837	7	409	1.291	7	409	2.128
20:00 - 21:00	7	409	0.488	7	409	0.558	7	409	1.046
21:00 - 22:00	7	409	0.523	7	409	0.488	7	409	1.011
22:00 - 23:00	6	405	0.329	6	405	0.452	6	405	0.781
23:00 - 24:00	6	405	0.206	6	405	0.206	6	405	0.412
Total Rates:			21.840			21.675			43.515

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	490	0.000	1	490	0.000	1	490	0.000
06:00 - 07:00	4	387	0.000	4	387	0.000	4	387	0.000
07:00 - 08:00	6	405	0.206	6	405	0.041	6	405	0.247
08:00 - 09:00	6	405	0.206	6	405	0.123	6	405	0.329
09:00 - 10:00	6	405	0.041	6	405	0.165	6	405	0.206
10:00 - 11:00	7	409	0.209	7	409	0.174	7	409	0.383
11:00 - 12:00	7	409	0.070	7	409	0.105	7	409	0.175
12:00 - 13:00	7	409	0.349	7	409	0.314	7	409	0.663
13:00 - 14:00	7	409	0.140	7	409	0.105	7	409	0.245
14:00 - 15:00	7	409	0.105	7	409	0.174	7	409	0.279
15:00 - 16:00	7	409	0.174	7	409	0.140	7	409	0.314
16:00 - 17:00	7	409	0.105	7	409	0.209	7	409	0.314
17:00 - 18:00	7	409	0.070	7	409	0.105	7	409	0.175
18:00 - 19:00	7	409	0.105	7	409	0.105	7	409	0.210
19:00 - 20:00	7	409	0.279	7	409	0.140	7	409	0.419
20:00 - 21:00	7	409	0.000	7	409	0.140	7	409	0.140
21:00 - 22:00	7	409	0.000	7	409	0.000	7	409	0.000
22:00 - 23:00	6	405	0.000	6	405	0.000	6	405	0.000
23:00 - 24:00	6	405	0.082	6	405	0.082	6	405	0.164
Total Rates:			2.141			2.122			4.263

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

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

Calculation Reference: AUDIT-649801-220425-0449

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

Selected regions and areas:

03	SOUTH WEST	
DV	DEVON	1 days
GS	GLOUCESTERSHIRE	1 days

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

Primary Filtering selection:

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

Parameter:	Gross floor area
Actual Range:	225 to 447 (units: sqm)
Range Selected by User:	210 to 800 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 26/11/21

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

Selected survey days:

Saturday	2 days
----------	--------

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

Selected survey types:

Manual count	2 days
Directional ATC Count	0 days

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

Selected Locations:

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

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

Selected Location Sub Categories:

Retail Zone	1
Out of Town	1

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

Secondary Filtering selection:

Use Class:

Not Known	2 days
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This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000 1 days
20,001 to 25,000 1 days

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

Population within 5 miles:

125,001 to 250,000 2 days

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

Car ownership within 5 miles:

1.1 to 1.5 2 days

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

Travel Plan:

No 2 days

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

PTAL Rating:

No PTAL Present 2 days

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

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

LIST OF SITES relevant to selection parameters

1	DV-06-D-01	MCDONALD'S		DEVON
	HELE ROAD			
	TORQUAY			
	Suburban Area (PPS6 Out of Centre)			
	Retail Zone			
	Total Gross floor area:	447 sqm		
	Survey date: SATURDAY	30/03/19		Survey Type: MANUAL
2	GS-06-D-01	MCDONALD'S		GLOUCESTERSHIRE
	BRISTOL ROAD			
	GLOUCESTER			
	HARDWICKE			
	Edge of Town			
	Out of Town			
	Total Gross floor area:	225 sqm		
	Survey date: SATURDAY	24/04/21		Survey Type: MANUAL

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

TRIP RATE for Land Use 06 - HOTEL, FOOD & DRINK/D - FAST FOOD - DRIVE THROUGH
 TOTAL VEHICLES
 Calculation factor: 100 sqm
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	19.111	1	225	17.778	1	225	36.889
07:00 - 08:00	2	336	21.875	2	336	21.280	2	336	43.155
08:00 - 09:00	2	336	25.000	2	336	23.363	2	336	48.363
09:00 - 10:00	2	336	32.292	2	336	30.060	2	336	62.352
10:00 - 11:00	2	336	27.083	2	336	29.464	2	336	56.547
11:00 - 12:00	2	336	27.232	2	336	24.256	2	336	51.488
12:00 - 13:00	2	336	37.946	2	336	36.905	2	336	74.851
13:00 - 14:00	2	336	34.970	2	336	35.119	2	336	70.089
14:00 - 15:00	2	336	32.292	2	336	34.673	2	336	66.965
15:00 - 16:00	2	336	28.423	2	336	29.911	2	336	58.334
16:00 - 17:00	2	336	30.208	2	336	28.869	2	336	59.077
17:00 - 18:00	2	336	32.589	2	336	33.036	2	336	65.625
18:00 - 19:00	2	336	33.333	2	336	33.631	2	336	66.964
19:00 - 20:00	2	336	28.274	2	336	31.845	2	336	60.119
20:00 - 21:00	2	336	24.107	2	336	23.363	2	336	47.470
21:00 - 22:00	2	336	20.238	2	336	20.238	2	336	40.476
22:00 - 23:00	2	336	16.071	2	336	15.327	2	336	31.398
23:00 - 24:00	2	336	13.542	2	336	13.393	2	336	26.935
Total Rates:			484.586			482.511			967.097

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

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

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Parameter summary

Trip rate parameter range selected: 225 - 447 (units: sqm)
 Survey date range: 01/01/14 - 26/11/21
 Number of weekdays (Monday-Friday): 0
 Number of Saturdays: 2
 Number of Sundays: 0
 Surveys automatically removed from selection: 0
 Surveys manually removed from selection: 0

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	0.000	1	225	0.000	1	225	0.000
07:00 - 08:00	2	336	0.149	2	336	0.149	2	336	0.298
08:00 - 09:00	2	336	0.000	2	336	0.000	2	336	0.000
09:00 - 10:00	2	336	0.446	2	336	0.446	2	336	0.892
10:00 - 11:00	2	336	0.000	2	336	0.000	2	336	0.000
11:00 - 12:00	2	336	0.298	2	336	0.298	2	336	0.596
12:00 - 13:00	2	336	0.298	2	336	0.298	2	336	0.596
13:00 - 14:00	2	336	0.000	2	336	0.000	2	336	0.000
14:00 - 15:00	2	336	0.000	2	336	0.000	2	336	0.000
15:00 - 16:00	2	336	0.000	2	336	0.000	2	336	0.000
16:00 - 17:00	2	336	0.000	2	336	0.000	2	336	0.000
17:00 - 18:00	2	336	0.298	2	336	0.149	2	336	0.447
18:00 - 19:00	2	336	0.149	2	336	0.298	2	336	0.447
19:00 - 20:00	2	336	0.000	2	336	0.000	2	336	0.000
20:00 - 21:00	2	336	0.149	2	336	0.149	2	336	0.298
21:00 - 22:00	2	336	0.149	2	336	0.149	2	336	0.298
22:00 - 23:00	2	336	0.149	2	336	0.149	2	336	0.298
23:00 - 24:00	2	336	0.000	2	336	0.000	2	336	0.000
Total Rates:			2.085			2.085			4.170

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	0.000	1	225	0.000	1	225	0.000
07:00 - 08:00	2	336	0.149	2	336	0.149	2	336	0.298
08:00 - 09:00	2	336	0.298	2	336	0.298	2	336	0.596
09:00 - 10:00	2	336	0.149	2	336	0.149	2	336	0.298
10:00 - 11:00	2	336	0.000	2	336	0.000	2	336	0.000
11:00 - 12:00	2	336	0.000	2	336	0.000	2	336	0.000
12:00 - 13:00	2	336	0.000	2	336	0.000	2	336	0.000
13:00 - 14:00	2	336	0.149	2	336	0.149	2	336	0.298
14:00 - 15:00	2	336	0.000	2	336	0.000	2	336	0.000
15:00 - 16:00	2	336	0.000	2	336	0.000	2	336	0.000
16:00 - 17:00	2	336	0.000	2	336	0.000	2	336	0.000
17:00 - 18:00	2	336	0.000	2	336	0.000	2	336	0.000
18:00 - 19:00	2	336	0.000	2	336	0.000	2	336	0.000
19:00 - 20:00	2	336	0.000	2	336	0.000	2	336	0.000
20:00 - 21:00	2	336	0.000	2	336	0.000	2	336	0.000
21:00 - 22:00	2	336	0.000	2	336	0.000	2	336	0.000
22:00 - 23:00	2	336	0.000	2	336	0.000	2	336	0.000
23:00 - 24:00	2	336	0.000	2	336	0.000	2	336	0.000
Total Rates:			0.745			0.745			1.490

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	0.000	1	225	0.000	1	225	0.000
07:00 - 08:00	2	336	0.000	2	336	0.000	2	336	0.000
08:00 - 09:00	2	336	0.000	2	336	0.000	2	336	0.000
09:00 - 10:00	2	336	0.000	2	336	0.000	2	336	0.000
10:00 - 11:00	2	336	0.149	2	336	0.000	2	336	0.149
11:00 - 12:00	2	336	0.000	2	336	0.000	2	336	0.000
12:00 - 13:00	2	336	0.000	2	336	0.000	2	336	0.000
13:00 - 14:00	2	336	0.000	2	336	0.000	2	336	0.000
14:00 - 15:00	2	336	0.000	2	336	0.000	2	336	0.000
15:00 - 16:00	2	336	0.893	2	336	0.595	2	336	1.488
16:00 - 17:00	2	336	0.149	2	336	0.149	2	336	0.298
17:00 - 18:00	2	336	0.893	2	336	0.446	2	336	1.339
18:00 - 19:00	2	336	0.298	2	336	1.042	2	336	1.340
19:00 - 20:00	2	336	0.298	2	336	0.446	2	336	0.744
20:00 - 21:00	2	336	0.298	2	336	0.149	2	336	0.447
21:00 - 22:00	2	336	0.298	2	336	0.446	2	336	0.744
22:00 - 23:00	2	336	0.000	2	336	0.000	2	336	0.000
23:00 - 24:00	2	336	0.000	2	336	0.000	2	336	0.000
Total Rates:			3.276			3.273			6.549

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	13.778	1	225	12.889	1	225	26.667
07:00 - 08:00	2	336	18.304	2	336	17.560	2	336	35.864
08:00 - 09:00	2	336	20.387	2	336	19.643	2	336	40.030
09:00 - 10:00	2	336	28.423	2	336	26.042	2	336	54.465
10:00 - 11:00	2	336	23.810	2	336	25.744	2	336	49.554
11:00 - 12:00	2	336	24.554	2	336	22.024	2	336	46.578
12:00 - 13:00	2	336	35.417	2	336	34.077	2	336	69.494
13:00 - 14:00	2	336	32.143	2	336	33.185	2	336	65.328
14:00 - 15:00	2	336	30.060	2	336	31.548	2	336	61.608
15:00 - 16:00	2	336	26.786	2	336	28.720	2	336	55.506
16:00 - 17:00	2	336	28.125	2	336	26.786	2	336	54.911
17:00 - 18:00	2	336	29.464	2	336	30.060	2	336	59.524
18:00 - 19:00	2	336	30.804	2	336	31.548	2	336	62.352
19:00 - 20:00	2	336	25.744	2	336	28.720	2	336	54.464
20:00 - 21:00	2	336	23.512	2	336	22.173	2	336	45.685
21:00 - 22:00	2	336	19.196	2	336	19.048	2	336	38.244
22:00 - 23:00	2	336	14.881	2	336	13.988	2	336	28.869
23:00 - 24:00	2	336	12.798	2	336	12.649	2	336	25.447
Total Rates:			438.186			436.404			874.590

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	5.333	1	225	4.889	1	225	10.222
07:00 - 08:00	2	336	3.125	2	336	3.274	2	336	6.399
08:00 - 09:00	2	336	3.720	2	336	3.274	2	336	6.994
09:00 - 10:00	2	336	3.125	2	336	2.827	2	336	5.952
10:00 - 11:00	2	336	2.976	2	336	3.571	2	336	6.547
11:00 - 12:00	2	336	2.232	2	336	1.786	2	336	4.018
12:00 - 13:00	2	336	2.083	2	336	2.232	2	336	4.315
13:00 - 14:00	2	336	2.381	2	336	1.786	2	336	4.167
14:00 - 15:00	2	336	2.083	2	336	2.827	2	336	4.910
15:00 - 16:00	2	336	1.488	2	336	1.042	2	336	2.530
16:00 - 17:00	2	336	1.786	2	336	1.637	2	336	3.423
17:00 - 18:00	2	336	2.530	2	336	2.530	2	336	5.060
18:00 - 19:00	2	336	2.083	2	336	1.488	2	336	3.571
19:00 - 20:00	2	336	1.637	2	336	2.827	2	336	4.464
20:00 - 21:00	2	336	0.446	2	336	0.446	2	336	0.892
21:00 - 22:00	2	336	0.893	2	336	1.042	2	336	1.935
22:00 - 23:00	2	336	1.042	2	336	1.190	2	336	2.232
23:00 - 24:00	2	336	0.446	2	336	0.446	2	336	0.892
Total Rates:			39.409			39.114			78.523

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

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

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

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00	1	225	0.000	1	225	0.000	1	225	0.000
07:00 - 08:00	2	336	0.149	2	336	0.149	2	336	0.298
08:00 - 09:00	2	336	0.595	2	336	0.149	2	336	0.744
09:00 - 10:00	2	336	0.149	2	336	0.595	2	336	0.744
10:00 - 11:00	2	336	0.298	2	336	0.149	2	336	0.447
11:00 - 12:00	2	336	0.149	2	336	0.149	2	336	0.298
12:00 - 13:00	2	336	0.149	2	336	0.298	2	336	0.447
13:00 - 14:00	2	336	0.298	2	336	0.000	2	336	0.298
14:00 - 15:00	2	336	0.149	2	336	0.298	2	336	0.447
15:00 - 16:00	2	336	0.149	2	336	0.149	2	336	0.298
16:00 - 17:00	2	336	0.298	2	336	0.446	2	336	0.744
17:00 - 18:00	2	336	0.298	2	336	0.298	2	336	0.596
18:00 - 19:00	2	336	0.298	2	336	0.298	2	336	0.596
19:00 - 20:00	2	336	0.893	2	336	0.298	2	336	1.191
20:00 - 21:00	2	336	0.000	2	336	0.595	2	336	0.595
21:00 - 22:00	2	336	0.000	2	336	0.000	2	336	0.000
22:00 - 23:00	2	336	0.000	2	336	0.000	2	336	0.000
23:00 - 24:00	2	336	0.298	2	336	0.298	2	336	0.596
Total Rates:			4.170			4.169			8.339

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

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

APPENDIX E



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Vehicle Count Report

Week Begin: 26 March 2022

Channel: Northbound

	Sat Mar 26	Sun Mar 27	Mon Mar 28	Tue Mar 29	Wed Mar 30	Thu Mar 31	Fri Apr 01	5-Day Ave.	7-Day Ave.
00:00	17	28	14	8	10	13	7	10	14
01:00	14	13	7	8	7	7	7	7	9
02:00	13	13	7	9	4	6	9	7	9
03:00	12	11	4	3	2	7	2	4	6
04:00	2	4	6	7	10	9	2	7	6
05:00	8	9	43	32	26	29	31	32	25
06:00	17	16	67	73	80	93	82	79	61
07:00	46	51	194	226	212	203	248	217	169
08:00	40	44	293	273	297	271	314	290	219
09:00	61	69	186	230	202	173	199	198	160
10:00	174	145	187	179	184	177	206	187	179
11:00	238	168	174	161	164	159	151	162	174
12:00	234	176	159	179	204	168	153	173	182
13:00	199	178	168	189	200	189	184	186	187
14:00	176	180	184	180	181	207	162	183	181
15:00	198	141	249	291	261	239	239	256	231
16:00	148	126	287	298	268	296	305	291	247
17:00	168	128	320	306	311	293	341	314	267
18:00	137	105	200	202	197	226	240	213	187
19:00	131	135	135	157	157	136	174	152	146
20:00	80	64	72	64	70	72	77	71	71
21:00	46	36	36	41	53	37	48	43	42
22:00	44	31	28	39	37	43	42	38	38
23:00	25	15	11	17	15	20	18	16	17
Total									
12H(7-19)	1819	1511	2601	2714	2681	2601	2742	2668	2381
16H(6-22)	2093	1762	2911	3049	3041	2939	3123	3013	2703
18H(6-24)	2162	1808	2950	3105	3093	3002	3183	3067	2758
24H(0-24)	2228	1886	3031	3172	3152	3073	3241	3134	2826
AM Peak	11:00	11:00	08:00	08:00	08:00	08:00	08:00	08:00	08:00
	238	168	293	273	297	271	314	290	219
PM Peak	12:00	14:00	17:00	17:00	17:00	16:00	17:00	17:00	17:00
	234	180	320	306	311	296	341	314	267

Site No. 578101

Site Ref. 578101

Site 1

Vehicle Count Report

Week Begin: 26 March 2022

Channel: Southbound

	Sat Mar 26	Sun Mar 27	Mon Mar 28	Tue Mar 29	Wed Mar 30	Thu Mar 31	Fri Apr 01	5-Day Ave.	7-Day Ave.
00:00	12	24	6	11	6	11	10	9	11
01:00	14	12	3	6	7	9	3	6	8
02:00	12	12	9	5	5	6	3	6	7
03:00	2	7	6	7	5	7	3	6	5
04:00	3	7	16	19	15	18	19	17	14
05:00	12	12	61	52	61	45	44	53	41
06:00	51	49	185	199	180	196	180	188	149
07:00	44	41	250	280	261	288	238	263	200
08:00	36	33	276	287	300	313	300	295	221
09:00	93	80	182	212	177	186	206	193	162
10:00	145	145	169	154	197	162	160	168	162
11:00	295	158	153	200	162	151	222	178	192
12:00	225	186	155	188	177	161	169	170	180
13:00	199	153	200	178	223	195	168	193	188
14:00	201	149	224	225	221	210	246	225	211
15:00	177	163	226	237	196	211	214	217	203
16:00	165	137	211	259	263	244	209	237	213
17:00	134	95	228	262	235	248	281	251	212
18:00	154	131	200	189	193	224	224	206	188
19:00	121	74	121	129	118	125	132	125	117
20:00	60	60	72	69	78	70	79	74	70
21:00	30	31	39	50	53	54	50	49	44
22:00	30	26	21	24	29	28	21	25	26
23:00	16	7	16	11	9	12	9	11	11
Total									
12H(7-19)	1868	1471	2474	2671	2605	2593	2637	2596	2331
16H(6-22)	2130	1685	2891	3118	3034	3038	3078	3032	2711
18H(6-24)	2176	1718	2928	3153	3072	3078	3108	3068	2748
24H(0-24)	2231	1792	3029	3253	3171	3174	3190	3163	2834
AM Peak	11:00 295	11:00 158	08:00 276	08:00 287	08:00 300	08:00 313	08:00 300	08:00 295	08:00 221
PM Peak	12:00 225	12:00 186	17:00 228	17:00 262	16:00 263	17:00 248	17:00 281	17:00 251	16:00 213

Site No. 578101

Site Ref. 578101

Site 1

Vehicle Count Report

Week Begin: 26 March 2022

Channel: Total Flow

	Sat Mar 26	Sun Mar 27	Mon Mar 28	Tue Mar 29	Wed Mar 30	Thu Mar 31	Fri Apr 01	5-Day Ave.	7-Day Ave.
00:00	29	52	20	19	16	24	17	19	25
01:00	28	25	10	14	14	16	10	13	17
02:00	25	25	16	14	9	12	12	13	16
03:00	14	18	10	10	7	14	5	9	11
04:00	5	11	22	26	25	27	21	24	20
05:00	20	21	104	84	87	74	75	85	66
06:00	68	65	252	272	260	289	262	267	210
07:00	90	92	444	506	473	491	486	480	369
08:00	76	77	569	560	597	584	614	585	440
09:00	154	149	368	442	379	359	405	391	322
10:00	319	290	356	333	381	339	366	355	341
11:00	533	326	327	361	326	310	373	339	365
12:00	459	362	314	367	381	329	322	343	362
13:00	398	331	368	367	423	384	352	379	375
14:00	377	329	408	405	402	417	408	408	392
15:00	375	304	475	528	457	450	453	473	435
16:00	313	263	498	557	531	540	514	528	459
17:00	302	223	548	568	546	541	622	565	479
18:00	291	236	400	391	390	450	464	419	375
19:00	252	209	256	286	275	261	306	277	264
20:00	140	124	144	133	148	142	156	145	141
21:00	76	67	75	91	106	91	98	92	86
22:00	74	57	49	63	66	71	63	62	63
23:00	41	22	27	28	24	32	27	28	29
Total									
12H(7-19)	3687	2982	5075	5385	5286	5194	5379	5264	4713
16H(6-22)	4223	3447	5802	6167	6075	5977	6201	6044	5413
18H(6-24)	4338	3526	5878	6258	6165	6080	6291	6134	5505
24H(0-24)	4459	3678	6060	6425	6323	6247	6431	6297	5660
AM Peak	11:00 533	11:00 326	08:00 569	08:00 560	08:00 597	08:00 584	08:00 614	08:00 585	08:00 440
PM Peak	12:00 459	12:00 362	17:00 548	17:00 568	17:00 546	17:00 541	17:00 622	17:00 565	17:00 479



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

Week Begin: 26 March 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/IVan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
Sat 26 Mar	2228	10	2187	19	12	0
Sun 27 Mar	1886	9	1850	17	10	0
Mon 28 Mar	3031	9	2886	74	62	0
Tue 29 Mar	3172	11	3023	69	69	0
Wed 30 Mar	3152	8	3013	61	70	0
Thu 31 Mar	3073	8	2933	60	72	0
Fri 1 Apr	3241	6	3132	49	54	0
5 Day Ave.	3134	8	2997	63	65	0
7 Day Ave.	2826	9	2718	50	50	0

PCC Traffic Information Consultancy Ltd.

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

Week Begin: 26 March 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/IVan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
Sat 26 Mar	2231	8	2194	21	8	0
Sun 27 Mar	1792	7	1768	14	3	0
Mon 28 Mar	3029	5	2927	50	47	0
Tue 29 Mar	3253	7	3142	57	47	0
Wed 30 Mar	3171	4	3048	66	53	0
Thu 31 Mar	3174	7	3037	69	61	0
Fri 1 Apr	3190	13	3107	31	39	0
5 Day Ave.	3163	7	3052	55	49	0
7 Day Ave.	2834	7	2746	44	37	0

PCC Traffic Information Consultancy Ltd.

Site No. 578101

Site Ref. 578101

Site 1

Classification I Site No.

Week Begin: 26 March 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/IVan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
Sat 26 Mar	4459	18	4381	40	20	0
Sun 27 Mar	3678	16	3618	31	13	0
Mon 28 Mar	6060	14	5813	124	109	0
Tue 29 Mar	6425	18	6165	126	116	0
Wed 30 Mar	6323	12	6061	127	123	0
Thu 31 Mar	6247	15	5970	129	133	0
Fri 1 Apr	6431	19	6239	80	93	0
5 Day Ave.	6297	16	6050	117	115	0
7 Day Ave.	5660	16	5464	94	87	0

PCC Traffic Information Consultancy Ltd.



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

Week Begin: 26 March 2022

Channel: Northbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
Sat 26 Mar	2228	33	29	5	0	2	3	21	397	1113	547	90	39	9	4	2	1
Sun 27 Mar	1886	34	29	5	0	1	2	9	273	946	522	101	23	4	5	0	0
Mon 28 Mar	3031	33	28	5	0	0	6	46	483	1652	700	116	21	6	0	1	0
Tue 29 Mar	3172	32	28	5	0	2	3	49	705	1660	610	117	16	9	1	0	0
Wed 30 Mar	3152	33	28	5	0	1	15	34	685	1616	673	104	16	7	1	0	0
Thu 31 Mar	3073	33	28	5	0	4	8	41	668	1562	648	109	18	12	3	0	0
Fri 1 Apr	3241	32	28	5	0	3	4	34	740	1673	648	105	14	18	2	0	0
5 Day Ave.	3134	33	28	5	0	2	7	41	656	1633	656	110	17	10	1	0	0
7 Day Ave.	2826	33	28	5	0	2	6	33	564	1460	621	106	21	9	2	0	0

PCC Traffic Information Consultancy Ltd.

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

Week Begin: 26 March 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
Sat 26 Mar	2231	36	30	5	0	2	6	29	242	785	787	296	63	14	6	1	0
Sun 27 Mar	1792	36	31	5	0	3	2	10	176	639	650	216	70	15	7	4	0
Mon 28 Mar	3029	35	30	5	0	7	12	32	357	1185	961	349	92	24	7	3	0
Tue 29 Mar	3253	35	30	5	0	8	4	34	425	1346	1030	300	69	27	6	4	0
Wed 30 Mar	3171	35	30	5	0	10	6	40	419	1303	986	310	69	21	4	1	2
Thu 31 Mar	3174	35	30	5	0	6	6	44	418	1178	1056	375	64	18	1	4	4
Fri 1 Apr	3190	35	29	5	0	11	5	30	432	1427	894	303	46	30	8	4	0
5 Day Ave.	3163	35	30	5	0	8	7	36	410	1288	985	327	68	24	5	3	1
7 Day Ave.	2834	35	30	5	0	7	6	31	353	1123	909	307	68	21	6	3	1

PCC Traffic Information Consultancy Ltd.

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

Week Begin: 26 March 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
Sat 26 Mar	4459	35	30	5	0	4	9	50	639	1898	1334	386	102	23	10	3	1
Sun 27 Mar	3678	35	30	5	0	4	4	19	449	1585	1172	317	93	19	12	4	0
Mon 28 Mar	6060	34	29	5	0	7	18	78	840	2837	1661	465	113	30	7	4	0
Tue 29 Mar	6425	34	29	5	0	10	7	83	1130	3006	1640	417	85	36	7	4	0
Wed 30 Mar	6323	34	29	5	0	11	21	74	1104	2919	1659	414	85	28	5	1	2
Thu 31 Mar	6247	34	29	5	0	10	14	85	1086	2740	1704	484	82	30	4	4	4
Fri 1 Apr	6431	34	29	5	0	14	9	64	1172	3100	1542	408	60	48	10	4	0
5 Day Ave.	6297	34	29	5	0	10	14	77	1066	2920	1641	438	85	34	7	3	1
7 Day Ave.	5660	34	29	5	0	9	12	65	917	2584	1530	413	89	31	8	3	1

PCC Traffic Information Consultancy Ltd.



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

26 Mar 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	17	0	17	0	0	0
01:00	14	0	14	0	0	0
02:00	13	0	13	0	0	0
03:00	12	0	12	0	0	0
04:00	2	0	2	0	0	0
05:00	8	0	8	0	0	0
06:00	17	0	17	0	0	0
07:00	46	1	45	0	0	0
08:00	40	0	38	0	2	0
09:00	61	0	56	2	3	0
10:00	174	1	170	3	0	0
11:00	238	3	231	3	1	0
12:00	234	2	227	4	1	0
13:00	199	3	196	0	0	0
14:00	176	0	174	1	1	0
15:00	198	0	195	2	1	0
16:00	148	0	148	0	0	0
17:00	168	0	167	1	0	0
18:00	137	0	135	0	2	0
19:00	131	0	131	0	0	0
20:00	80	0	78	1	1	0
21:00	46	0	45	1	0	0
22:00	44	0	43	1	0	0
23:00	25	0	25	0	0	0
Total						
12H(7-19)	1819	10	1782	16	11	0
16H(6-22)	2093	10	2053	18	12	0
18H(6-24)	2162	10	2121	19	12	0
24H(0-24)	2228	10	2187	19	12	0
AM Peak	11:00	11:00	11:00	11:00	09:00	11:00
	238	3	231	3	3	0
PM Peak	12:00	13:00	12:00	12:00	18:00	23:00
	234	3	227	4	2	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

26 Mar 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	12	0	10	0	2	0
01:00	14	0	13	1	0	0
02:00	12	0	9	3	0	0
03:00	2	0	2	0	0	0
04:00	3	0	3	0	0	0
05:00	12	0	12	0	0	0
06:00	51	0	51	0	0	0
07:00	44	0	44	0	0	0
08:00	36	0	35	1	0	0
09:00	93	0	92	1	0	0
10:00	145	1	144	0	0	0
11:00	295	2	289	4	0	0
12:00	225	3	221	0	1	0
13:00	199	1	196	2	0	0
14:00	201	1	196	4	0	0
15:00	177	0	176	1	0	0
16:00	165	0	163	0	2	0
17:00	134	0	132	1	1	0
18:00	154	0	151	2	1	0
19:00	121	0	120	1	0	0
20:00	60	0	59	0	1	0
21:00	30	0	30	0	0	0
22:00	30	0	30	0	0	0
23:00	16	0	16	0	0	0
Total						
12H(7-19)	1868	8	1839	16	5	0
16H(6-22)	2130	8	2099	17	6	0
18H(6-24)	2176	8	2145	17	6	0
24H(0-24)	2231	8	2194	21	8	0
AM Peak	11:00	11:00	11:00	11:00	00:00	11:00
	295	2	289	4	2	0
PM Peak	12:00	12:00	12:00	14:00	16:00	23:00
	225	3	221	4	2	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

26 Mar 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	29	0	27	0	2	0
01:00	28	0	27	1	0	0
02:00	25	0	22	3	0	0
03:00	14	0	14	0	0	0
04:00	5	0	5	0	0	0
05:00	20	0	20	0	0	0
06:00	68	0	68	0	0	0
07:00	90	1	89	0	0	0
08:00	76	0	73	1	2	0
09:00	154	0	148	3	3	0
10:00	319	2	314	3	0	0
11:00	533	5	520	7	1	0
12:00	459	5	448	4	2	0
13:00	398	4	392	2	0	0
14:00	377	1	370	5	1	0
15:00	375	0	371	3	1	0
16:00	313	0	311	0	2	0
17:00	302	0	299	2	1	0
18:00	291	0	286	2	3	0
19:00	252	0	251	1	0	0
20:00	140	0	137	1	2	0
21:00	76	0	75	1	0	0
22:00	74	0	73	1	0	0
23:00	41	0	41	0	0	0
Total						
12H(7-19)	3687	18	3621	32	16	0
16H(6-22)	4223	18	4152	35	18	0
18H(6-24)	4338	18	4266	36	18	0
24H(0-24)	4459	18	4381	40	20	0
AM Peak	11:00 533	11:00 5	11:00 520	11:00 7	09:00 3	11:00 0
PM Peak	12:00 459	12:00 5	12:00 448	14:00 5	18:00 3	23:00 0



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

27 Mar 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/IVan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	28	1	27	0	0	0
01:00	13	0	13	0	0	0
02:00	13	0	13	0	0	0
03:00	11	0	11	0	0	0
04:00	4	0	4	0	0	0
05:00	9	0	9	0	0	0
06:00	16	0	16	0	0	0
07:00	51	0	51	0	0	0
08:00	44	0	42	0	2	0
09:00	69	0	65	2	2	0
10:00	145	0	143	2	0	0
11:00	168	0	165	2	1	0
12:00	176	0	173	2	1	0
13:00	178	5	170	1	2	0
14:00	180	0	178	1	1	0
15:00	141	0	141	0	0	0
16:00	126	1	123	2	0	0
17:00	128	1	127	0	0	0
18:00	105	0	105	0	0	0
19:00	135	1	132	2	0	0
20:00	64	0	63	1	0	0
21:00	36	0	34	1	1	0
22:00	31	0	31	0	0	0
23:00	15	0	14	1	0	0
Total						
12H(7-19)	1511	7	1483	12	9	0
16H(6-22)	1762	8	1728	16	10	0
18H(6-24)	1808	8	1773	17	10	0
24H(0-24)	1886	9	1850	17	10	0
AM Peak	11:00 168	00:00 1	11:00 165	11:00 2	09:00 2	11:00 0
PM Peak	14:00 180	13:00 5	14:00 178	19:00 2	13:00 2	23:00 0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

27 Mar 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	24	0	23	0	1	0
01:00	12	0	11	1	0	0
02:00	12	0	11	1	0	0
03:00	7	0	7	0	0	0
04:00	7	0	7	0	0	0
05:00	12	0	12	0	0	0
06:00	49	0	49	0	0	0
07:00	41	0	41	0	0	0
08:00	33	0	32	1	0	0
09:00	80	0	78	2	0	0
10:00	145	0	145	0	0	0
11:00	158	0	158	0	0	0
12:00	186	2	183	1	0	0
13:00	153	3	148	2	0	0
14:00	149	0	145	3	1	0
15:00	163	1	162	0	0	0
16:00	137	0	137	0	0	0
17:00	95	0	95	0	0	0
18:00	131	0	131	0	0	0
19:00	74	0	73	1	0	0
20:00	60	0	58	1	1	0
21:00	31	1	30	0	0	0
22:00	26	0	25	1	0	0
23:00	7	0	7	0	0	0
Total						
12H(7-19)	1471	6	1455	9	1	0
16H(6-22)	1685	7	1665	11	2	0
18H(6-24)	1718	7	1697	12	2	0
24H(0-24)	1792	7	1768	14	3	0
AM Peak	11:00	11:00	11:00	09:00	00:00	11:00
	158	0	158	2	1	0
PM Peak	12:00	13:00	12:00	14:00	20:00	23:00
	186	3	183	3	1	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

27 Mar 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	52	1	50	0	1	0
01:00	25	0	24	1	0	0
02:00	25	0	24	1	0	0
03:00	18	0	18	0	0	0
04:00	11	0	11	0	0	0
05:00	21	0	21	0	0	0
06:00	65	0	65	0	0	0
07:00	92	0	92	0	0	0
08:00	77	0	74	1	2	0
09:00	149	0	143	4	2	0
10:00	290	0	288	2	0	0
11:00	326	0	323	2	1	0
12:00	362	2	356	3	1	0
13:00	331	8	318	3	2	0
14:00	329	0	323	4	2	0
15:00	304	1	303	0	0	0
16:00	263	1	260	2	0	0
17:00	223	1	222	0	0	0
18:00	236	0	236	0	0	0
19:00	209	1	205	3	0	0
20:00	124	0	121	2	1	0
21:00	67	1	64	1	1	0
22:00	57	0	56	1	0	0
23:00	22	0	21	1	0	0
Total						
12H(7-19)	2982	13	2938	21	10	0
16H(6-22)	3447	15	3393	27	12	0
18H(6-24)	3526	15	3470	29	12	0
24H(0-24)	3678	16	3618	31	13	0
AM Peak	11:00	00:00	11:00	09:00	09:00	11:00
	326	1	323	4	2	0
PM Peak	12:00	13:00	12:00	14:00	14:00	23:00
	362	8	356	4	2	0



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

28 Mar 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	14	0	14	0	0	0
01:00	7	0	7	0	0	0
02:00	7	0	6	1	0	0
03:00	4	0	4	0	0	0
04:00	6	0	6	0	0	0
05:00	43	0	38	2	3	0
06:00	67	0	60	2	5	0
07:00	194	0	181	7	6	0
08:00	293	1	283	4	5	0
09:00	186	0	173	5	8	0
10:00	187	0	174	6	7	0
11:00	174	1	161	6	6	0
12:00	159	0	148	7	4	0
13:00	168	0	159	6	3	0
14:00	184	0	175	7	2	0
15:00	249	0	242	3	4	0
16:00	287	3	273	4	7	0
17:00	320	3	312	3	2	0
18:00	200	0	196	4	0	0
19:00	135	1	133	1	0	0
20:00	72	0	68	4	0	0
21:00	36	0	35	1	0	0
22:00	28	0	27	1	0	0
23:00	11	0	11	0	0	0
Total						
12H(7-19)	2601	8	2477	62	54	0
16H(6-22)	2911	9	2773	70	59	0
18H(6-24)	2950	9	2811	71	59	0
24H(0-24)	3031	9	2886	74	62	0
AM Peak	08:00 293	11:00 1	08:00 283	07:00 7	09:00 8	11:00 0
PM Peak	17:00 320	17:00 3	17:00 312	14:00 7	16:00 7	23:00 0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

28 Mar 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	6	0	6	0	0	0
01:00	3	0	3	0	0	0
02:00	9	0	8	1	0	0
03:00	6	0	6	0	0	0
04:00	16	0	16	0	0	0
05:00	61	0	61	0	0	0
06:00	185	1	181	2	1	0
07:00	250	0	247	2	1	0
08:00	276	0	270	0	6	0
09:00	182	0	172	6	4	0
10:00	169	1	157	4	7	0
11:00	153	0	146	0	7	0
12:00	155	1	144	7	3	0
13:00	200	1	190	5	4	0
14:00	224	0	212	5	7	0
15:00	226	0	217	7	2	0
16:00	211	0	208	3	0	0
17:00	228	0	226	1	1	0
18:00	200	1	194	3	2	0
19:00	121	0	115	4	2	0
20:00	72	0	72	0	0	0
21:00	39	0	39	0	0	0
22:00	21	0	21	0	0	0
23:00	16	0	16	0	0	0
Total						
12H(7-19)	2474	4	2383	43	44	0
16H(6-22)	2891	5	2790	49	47	0
18H(6-24)	2928	5	2827	49	47	0
24H(0-24)	3029	5	2927	50	47	0
AM Peak	08:00	10:00	08:00	09:00	11:00	11:00
	276	1	270	6	7	0
PM Peak	17:00	18:00	17:00	15:00	14:00	23:00
	228	1	226	7	7	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

28 Mar 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	20	0	20	0	0	0
01:00	10	0	10	0	0	0
02:00	16	0	14	2	0	0
03:00	10	0	10	0	0	0
04:00	22	0	22	0	0	0
05:00	104	0	99	2	3	0
06:00	252	1	241	4	6	0
07:00	444	0	428	9	7	0
08:00	569	1	553	4	11	0
09:00	368	0	345	11	12	0
10:00	356	1	331	10	14	0
11:00	327	1	307	6	13	0
12:00	314	1	292	14	7	0
13:00	368	1	349	11	7	0
14:00	408	0	387	12	9	0
15:00	475	0	459	10	6	0
16:00	498	3	481	7	7	0
17:00	548	3	538	4	3	0
18:00	400	1	390	7	2	0
19:00	256	1	248	5	2	0
20:00	144	0	140	4	0	0
21:00	75	0	74	1	0	0
22:00	49	0	48	1	0	0
23:00	27	0	27	0	0	0
Total						
12H(7-19)	5075	12	4860	105	98	0
16H(6-22)	5802	14	5563	119	106	0
18H(6-24)	5878	14	5638	120	106	0
24H(0-24)	6060	14	5813	124	109	0
AM Peak	08:00	11:00	08:00	09:00	10:00	11:00
	569	1	553	11	14	0
PM Peak	17:00	17:00	17:00	12:00	14:00	23:00
	548	3	538	14	9	0



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

29 Mar 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Ivan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	8	0	8	0	0	0
01:00	8	0	7	0	1	0
02:00	9	0	8	1	0	0
03:00	3	0	3	0	0	0
04:00	7	0	7	0	0	0
05:00	32	0	28	1	3	0
06:00	73	0	70	0	3	0
07:00	226	0	212	4	10	0
08:00	273	0	264	2	7	0
09:00	230	0	219	6	5	0
10:00	179	1	162	8	8	0
11:00	161	1	148	7	5	0
12:00	179	3	163	6	7	0
13:00	189	1	171	8	9	0
14:00	180	0	170	9	1	0
15:00	291	0	281	4	6	0
16:00	298	0	288	7	3	0
17:00	306	0	303	3	0	0
18:00	202	1	201	0	0	0
19:00	157	4	152	1	0	0
20:00	64	0	63	0	1	0
21:00	41	0	39	2	0	0
22:00	39	0	39	0	0	0
23:00	17	0	17	0	0	0
Total						
12H(7-19)	2714	7	2582	64	61	0
16H(6-22)	3049	11	2906	67	65	0
18H(6-24)	3105	11	2962	67	65	0
24H(0-24)	3172	11	3023	69	69	0
AM Peak	08:00	11:00	08:00	10:00	07:00	11:00
	273	1	264	8	10	0
PM Peak	17:00	19:00	17:00	14:00	13:00	23:00
	306	4	303	9	9	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

29 Mar 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	11	0	10	0	1	0
01:00	6	0	6	0	0	0
02:00	5	0	5	0	0	0
03:00	7	0	7	0	0	0
04:00	19	0	19	0	0	0
05:00	52	0	49	2	1	0
06:00	199	0	194	1	4	0
07:00	280	0	272	5	3	0
08:00	287	1	272	6	8	0
09:00	212	0	202	3	7	0
10:00	154	0	144	7	3	0
11:00	200	2	191	5	2	0
12:00	188	1	178	6	3	0
13:00	178	0	171	2	5	0
14:00	225	0	219	4	2	0
15:00	237	0	230	4	3	0
16:00	259	0	254	4	1	0
17:00	262	0	256	4	2	0
18:00	189	2	184	2	1	0
19:00	129	0	128	1	0	0
20:00	69	0	69	0	0	0
21:00	50	1	47	1	1	0
22:00	24	0	24	0	0	0
23:00	11	0	11	0	0	0
Total						
12H(7-19)	2671	6	2573	52	40	0
16H(6-22)	3118	7	3011	55	45	0
18H(6-24)	3153	7	3046	55	45	0
24H(0-24)	3253	7	3142	57	47	0
AM Peak	08:00	11:00	08:00	10:00	08:00	11:00
	287	2	272	7	8	0
PM Peak	17:00	18:00	17:00	12:00	13:00	23:00
	262	2	256	6	5	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

29 Mar 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	19	0	18	0	1	0
01:00	14	0	13	0	1	0
02:00	14	0	13	1	0	0
03:00	10	0	10	0	0	0
04:00	26	0	26	0	0	0
05:00	84	0	77	3	4	0
06:00	272	0	264	1	7	0
07:00	506	0	484	9	13	0
08:00	560	1	536	8	15	0
09:00	442	0	421	9	12	0
10:00	333	1	306	15	11	0
11:00	361	3	339	12	7	0
12:00	367	4	341	12	10	0
13:00	367	1	342	10	14	0
14:00	405	0	389	13	3	0
15:00	528	0	511	8	9	0
16:00	557	0	542	11	4	0
17:00	568	0	559	7	2	0
18:00	391	3	385	2	1	0
19:00	286	4	280	2	0	0
20:00	133	0	132	0	1	0
21:00	91	1	86	3	1	0
22:00	63	0	63	0	0	0
23:00	28	0	28	0	0	0
Total						
12H(7-19)	5385	13	5155	116	101	0
16H(6-22)	6167	18	5917	122	110	0
18H(6-24)	6258	18	6008	122	110	0
24H(0-24)	6425	18	6165	126	116	0
AM Peak	08:00	11:00	08:00	10:00	08:00	11:00
	560	3	536	15	15	0
PM Peak	17:00	19:00	17:00	14:00	13:00	23:00
	568	4	559	13	14	0



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

30 Mar 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	10	0	10	0	0	0
01:00	7	0	6	0	1	0
02:00	4	0	4	0	0	0
03:00	2	0	1	1	0	0
04:00	10	0	9	0	1	0
05:00	26	0	25	0	1	0
06:00	80	0	70	3	7	0
07:00	212	0	204	3	5	0
08:00	297	2	284	6	5	0
09:00	202	0	191	5	6	0
10:00	184	0	174	4	6	0
11:00	164	0	153	6	5	0
12:00	204	0	192	2	10	0
13:00	200	0	182	8	10	0
14:00	181	0	170	5	6	0
15:00	261	0	259	2	0	0
16:00	268	4	255	4	5	0
17:00	311	0	303	7	1	0
18:00	197	1	194	2	0	0
19:00	157	0	155	2	0	0
20:00	70	1	67	1	1	0
21:00	53	0	53	0	0	0
22:00	37	0	37	0	0	0
23:00	15	0	15	0	0	0
Total						
12H(7-19)	2681	7	2561	54	59	0
16H(6-22)	3041	8	2906	60	67	0
18H(6-24)	3093	8	2958	60	67	0
24H(0-24)	3152	8	3013	61	70	0
AM Peak	08:00 297	08:00 2	08:00 284	11:00 6	06:00 7	11:00 0
PM Peak	17:00 311	16:00 4	17:00 303	13:00 8	13:00 10	23:00 0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

30 Mar 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	6	0	6	0	0	0
01:00	7	0	6	0	1	0
02:00	5	0	4	1	0	0
03:00	5	0	5	0	0	0
04:00	15	0	15	0	0	0
05:00	61	0	58	1	2	0
06:00	180	1	176	3	0	0
07:00	261	0	255	5	1	0
08:00	300	0	288	3	9	0
09:00	177	0	173	1	3	0
10:00	197	0	184	8	5	0
11:00	162	0	153	4	5	0
12:00	177	0	166	5	6	0
13:00	223	1	209	9	4	0
14:00	221	1	204	8	8	0
15:00	196	0	190	4	2	0
16:00	263	0	256	7	0	0
17:00	235	0	233	0	2	0
18:00	193	1	188	1	3	0
19:00	118	0	115	3	0	0
20:00	78	0	75	3	0	0
21:00	53	0	52	0	1	0
22:00	29	0	29	0	0	0
23:00	9	0	8	0	1	0
Total						
12H(7-19)	2605	3	2499	55	48	0
16H(6-22)	3034	4	2917	64	49	0
18H(6-24)	3072	4	2954	64	50	0
24H(0-24)	3171	4	3048	66	53	0
AM Peak	08:00	06:00	08:00	10:00	08:00	11:00
	300	1	288	8	9	0
PM Peak	16:00	18:00	16:00	13:00	14:00	23:00
	263	1	256	9	8	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

30 Mar 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	16	0	16	0	0	0
01:00	14	0	12	0	2	0
02:00	9	0	8	1	0	0
03:00	7	0	6	1	0	0
04:00	25	0	24	0	1	0
05:00	87	0	83	1	3	0
06:00	260	1	246	6	7	0
07:00	473	0	459	8	6	0
08:00	597	2	572	9	14	0
09:00	379	0	364	6	9	0
10:00	381	0	358	12	11	0
11:00	326	0	306	10	10	0
12:00	381	0	358	7	16	0
13:00	423	1	391	17	14	0
14:00	402	1	374	13	14	0
15:00	457	0	449	6	2	0
16:00	531	4	511	11	5	0
17:00	546	0	536	7	3	0
18:00	390	2	382	3	3	0
19:00	275	0	270	5	0	0
20:00	148	1	142	4	1	0
21:00	106	0	105	0	1	0
22:00	66	0	66	0	0	0
23:00	24	0	23	0	1	0
Total						
12H(7-19)	5286	10	5060	109	107	0
16H(6-22)	6075	12	5823	124	116	0
18H(6-24)	6165	12	5912	124	117	0
24H(0-24)	6323	12	6061	127	123	0
AM Peak	08:00	08:00	08:00	10:00	08:00	11:00
	597	2	572	12	14	0
PM Peak	17:00	16:00	17:00	13:00	12:00	23:00
	546	4	536	17	16	0



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

31 Mar 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	13	0	13	0	0	0
01:00	7	0	6	0	1	0
02:00	6	0	6	0	0	0
03:00	7	0	6	1	0	0
04:00	9	0	9	0	0	0
05:00	29	0	25	0	4	0
06:00	93	0	86	2	5	0
07:00	203	0	188	8	7	0
08:00	271	0	260	4	7	0
09:00	173	2	161	3	7	0
10:00	177	0	167	6	4	0
11:00	159	0	147	4	8	0
12:00	168	2	156	2	8	0
13:00	189	0	182	3	4	0
14:00	207	0	191	10	6	0
15:00	239	0	229	4	6	0
16:00	296	1	283	9	3	0
17:00	293	0	291	1	1	0
18:00	226	2	224	0	0	0
19:00	136	1	134	1	0	0
20:00	72	0	71	0	1	0
21:00	37	0	35	2	0	0
22:00	43	0	43	0	0	0
23:00	20	0	20	0	0	0
Total						
12H(7-19)	2601	7	2479	54	61	0
16H(6-22)	2939	8	2805	59	67	0
18H(6-24)	3002	8	2868	59	67	0
24H(0-24)	3073	8	2933	60	72	0
AM Peak	08:00 271	09:00 2	08:00 260	07:00 8	11:00 8	11:00 0
PM Peak	16:00 296	18:00 2	17:00 291	14:00 10	12:00 8	23:00 0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

31 Mar 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Ivan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	11	0	9	1	1	0
01:00	9	0	9	0	0	0
02:00	6	0	5	0	1	0
03:00	7	0	7	0	0	0
04:00	18	0	17	1	0	0
05:00	45	0	43	1	1	0
06:00	196	1	189	2	4	0
07:00	288	0	280	4	4	0
08:00	313	0	301	7	5	0
09:00	186	1	177	2	6	0
10:00	162	0	153	5	4	0
11:00	151	0	144	6	1	0
12:00	161	0	151	3	7	0
13:00	195	0	183	4	8	0
14:00	210	0	191	12	7	0
15:00	211	0	202	7	2	0
16:00	244	0	240	3	1	0
17:00	248	0	241	4	3	0
18:00	224	2	216	3	3	0
19:00	125	0	123	2	0	0
20:00	70	0	70	0	0	0
21:00	54	3	46	2	3	0
22:00	28	0	28	0	0	0
23:00	12	0	12	0	0	0
Total						
12H(7-19)	2593	3	2479	60	51	0
16H(6-22)	3038	7	2907	66	58	0
18H(6-24)	3078	7	2947	66	58	0
24H(0-24)	3174	7	3037	69	61	0
AM Peak	08:00	09:00	08:00	08:00	09:00	11:00
	313	1	301	7	6	0
PM Peak	17:00	21:00	17:00	14:00	13:00	23:00
	248	3	241	12	8	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

31 Mar 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Ivan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	24	0	22	1	1	0
01:00	16	0	15	0	1	0
02:00	12	0	11	0	1	0
03:00	14	0	13	1	0	0
04:00	27	0	26	1	0	0
05:00	74	0	68	1	5	0
06:00	289	1	275	4	9	0
07:00	491	0	468	12	11	0
08:00	584	0	561	11	12	0
09:00	359	3	338	5	13	0
10:00	339	0	320	11	8	0
11:00	310	0	291	10	9	0
12:00	329	2	307	5	15	0
13:00	384	0	365	7	12	0
14:00	417	0	382	22	13	0
15:00	450	0	431	11	8	0
16:00	540	1	523	12	4	0
17:00	541	0	532	5	4	0
18:00	450	4	440	3	3	0
19:00	261	1	257	3	0	0
20:00	142	0	141	0	1	0
21:00	91	3	81	4	3	0
22:00	71	0	71	0	0	0
23:00	32	0	32	0	0	0
Total						
12H(7-19)	5194	10	4958	114	112	0
16H(6-22)	5977	15	5712	125	125	0
18H(6-24)	6080	15	5815	125	125	0
24H(0-24)	6247	15	5970	129	133	0
AM Peak	08:00	09:00	08:00	07:00	09:00	11:00
	584	3	561	12	13	0
PM Peak	17:00	18:00	17:00	14:00	12:00	23:00
	541	4	532	22	15	0



Bumpstead Rd, Haverhill ATC

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

01 Apr 2022

Channel: Northbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Ivan	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	7	0	7	0	0	0
01:00	7	1	3	0	3	0
02:00	9	0	7	2	0	0
03:00	2	0	2	0	0	0
04:00	2	0	2	0	0	0
05:00	31	0	26	2	3	0
06:00	82	1	80	0	1	0
07:00	248	0	234	3	11	0
08:00	314	0	310	1	3	0
09:00	199	1	192	3	3	0
10:00	206	1	190	8	7	0
11:00	151	0	148	2	1	0
12:00	153	1	148	2	2	0
13:00	184	0	166	9	9	0
14:00	162	0	151	8	3	0
15:00	239	0	234	2	3	0
16:00	305	0	300	3	2	0
17:00	341	0	340	1	0	0
18:00	240	0	240	0	0	0
19:00	174	0	173	1	0	0
20:00	77	0	74	0	3	0
21:00	48	1	45	2	0	0
22:00	42	0	42	0	0	0
23:00	18	0	18	0	0	0
Total						
12H(7-19)	2742	3	2653	42	44	0
16H(6-22)	3123	5	3025	45	48	0
18H(6-24)	3183	5	3085	45	48	0
24H(0-24)	3241	6	3132	49	54	0
AM Peak	08:00	10:00	08:00	10:00	07:00	11:00
	314	1	310	8	11	0
PM Peak	17:00	21:00	17:00	13:00	13:00	23:00
	341	1	340	9	9	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

01 Apr 2022

Channel: Southbound

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	10	0	9	0	1	0
01:00	3	0	3	0	0	0
02:00	3	0	3	0	0	0
03:00	3	0	3	0	0	0
04:00	19	0	19	0	0	0
05:00	44	0	41	2	1	0
06:00	180	0	177	2	1	0
07:00	238	0	233	2	3	0
08:00	300	3	287	3	7	0
09:00	206	0	200	1	5	0
10:00	160	0	156	3	1	0
11:00	222	3	215	1	3	0
12:00	169	3	161	1	4	0
13:00	168	0	164	1	3	0
14:00	246	0	242	2	2	0
15:00	214	0	210	3	1	0
16:00	209	0	205	1	3	0
17:00	281	0	278	1	2	0
18:00	224	1	219	3	1	0
19:00	132	0	129	3	0	0
20:00	79	0	79	0	0	0
21:00	50	3	44	2	1	0
22:00	21	0	21	0	0	0
23:00	9	0	9	0	0	0
Total						
12H(7-19)	2637	10	2570	22	35	0
16H(6-22)	3078	13	2999	29	37	0
18H(6-24)	3108	13	3029	29	37	0
24H(0-24)	3190	13	3107	31	39	0
AM Peak	08:00	11:00	08:00	10:00	08:00	11:00
	300	3	287	3	7	0
PM Peak	17:00	21:00	17:00	19:00	12:00	23:00
	281	3	278	3	4	0

Site No. 578101

Site Ref. 578101

Site 1

Classification Report

01 Apr 2022

Channel: Total Flow

	Total Volume	Bin 1 M/Cycle	Bin 2 Car/Van	Bin 3 LGV	Bin 4 HGV	Bin 5 Bus
00:00	17	0	16	0	1	0
01:00	10	1	6	0	3	0
02:00	12	0	10	2	0	0
03:00	5	0	5	0	0	0
04:00	21	0	21	0	0	0
05:00	75	0	67	4	4	0
06:00	262	1	257	2	2	0
07:00	486	0	467	5	14	0
08:00	614	3	597	4	10	0
09:00	405	1	392	4	8	0
10:00	366	1	346	11	8	0
11:00	373	3	363	3	4	0
12:00	322	4	309	3	6	0
13:00	352	0	330	10	12	0
14:00	408	0	393	10	5	0
15:00	453	0	444	5	4	0
16:00	514	0	505	4	5	0
17:00	622	0	618	2	2	0
18:00	464	1	459	3	1	0
19:00	306	0	302	4	0	0
20:00	156	0	153	0	3	0
21:00	98	4	89	4	1	0
22:00	63	0	63	0	0	0
23:00	27	0	27	0	0	0
Total						
12H(7-19)	5379	13	5223	64	79	0
16H(6-22)	6201	18	6024	74	85	0
18H(6-24)	6291	18	6114	74	85	0
24H(0-24)	6431	19	6239	80	93	0
AM Peak	08:00	11:00	08:00	10:00	07:00	11:00
	614	3	597	11	14	0
PM Peak	17:00	21:00	17:00	14:00	13:00	23:00
	622	4	618	10	12	0

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	17	35	28	7	0	2	0	0	3	2	7	3	0	0	0	0	0
01:00	14	30	26	3	0	0	0	0	10	1	1	0	2	0	0	0	0
02:00	13	33	28	5	0	0	0	0	7	2	2	0	2	0	0	0	0
03:00	12	34	30	4	0	0	0	2	0	1	9	0	0	0	0	0	0
04:00	2		28		0	0	0	0	0	2	0	0	0	0	0	0	0
05:00	8		26		0	0	0	0	4	3	1	0	0	0	0	0	0
06:00	17	33	24	8	0	0	0	8	3	1	3	2	0	0	0	0	0
07:00	46	33	29	4	0	0	2	0	3	25	12	2	2	0	0	0	0
08:00	40	37	32	5	0	0	0	0	3	15	14	3	3	2	0	0	0
09:00	61	33	28	4	0	0	0	0	12	30	18	1	0	0	0	0	0
10:00	174	33	28	5	0	0	0	2	36	87	45	2	2	0	0	0	0
11:00	238	33	28	4	0	0	1	0	39	131	54	7	5	0	1	0	0
12:00	234	31	28	4	0	0	0	0	43	145	43	3	0	0	0	0	0
13:00	199	34	30	4	0	0	0	0	29	88	65	11	3	2	0	0	1
14:00	176	34	30	5	0	0	0	0	22	90	43	13	6	0	1	1	0
15:00	198	33	29	4	0	0	0	2	35	98	51	4	6	0	2	0	0
16:00	148	33	28	5	0	0	0	4	28	75	34	5	2	0	0	0	0
17:00	168	33	29	4	0	0	0	0	22	92	41	10	2	1	0	0	0
18:00	137	33	28	5	0	0	0	1	27	65	38	4	0	2	0	0	0
19:00	131	32	28	4	0	0	0	0	32	70	21	7	1	0	0	0	0
20:00	80	35	29	5	0	0	0	0	17	33	19	7	2	2	0	0	0
21:00	46	32	28	4	0	0	0	1	10	23	11	1	0	0	0	0	0
22:00	44	34	29	5	0	0	0	1	9	19	10	3	1	0	0	1	0
23:00	25	32	29	4	0	0	0	0	3	15	5	2	0	0	0	0	0
Total																	
12H(7-19)	1819	33	29	5	0	0	3	9	299	941	458	65	31	7	4	1	1
16H(6-22)	2093	33	29	5	0	0	3	18	361	1068	512	82	34	9	4	1	1
18H(6-24)	2162	33	29	5	0	0	3	19	373	1102	527	87	35	9	4	2	1
24H(0-24)	2228	33	29	5	0	2	3	21	397	1113	547	90	39	9	4	2	1
AM Peak	11:00 238	08:00 37	08:00 32	06:00 8	- 0	00:00 2	07:00 2	06:00 8	11:00 39	11:00 131	11:00 54	11:00 7	11:00 5	08:00 2	11:00 1	- 0	- 0
PM Peak	12:00 234	20:00 35	14:00 30	20:00 5	- 0	- 0	- 0	16:00 4	12:00 43	12:00 145	13:00 65	14:00 13	15:00 6	20:00 2	15:00 2	22:00 1	13:00 1

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

26 Mar 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	12	40	34	7	0	0	0	0	1	4	1	3	3	0	0	0	0
01:00	14	32	27	6	0	0	0	1	7	2	2	2	0	0	0	0	0
02:00	12	31	25	6	0	0	0	5	1	3	1	2	0	0	0	0	0
03:00	2		27		0	0	0	0	1	0	1	0	0	0	0	0	0
04:00	3		34		0	0	0	0	0	1	1	0	1	0	0	0	0
05:00	12	37	30	7	0	0	0	0	5	1	2	3	1	0	0	0	0
06:00	51	38	30	7	0	0	2	0	9	16	11	9	3	0	1	0	0
07:00	44	34	31	3	0	0	0	0	1	11	29	3	0	0	0	0	0
08:00	36	35	31	4	0	0	0	1	3	15	11	3	1	2	0	0	0
09:00	93	34	31	3	0	0	0	0	13	19	55	3	1	1	1	0	0
10:00	145	35	30	5	0	2	0	3	12	55	54	17	1	1	0	0	0
11:00	295	35	30	5	0	0	0	4	34	115	97	35	8	1	1	0	0
12:00	225	35	31	4	0	0	0	0	19	79	95	27	4	1	0	0	0
13:00	199	37	32	6	0	0	0	1	17	67	71	27	11	3	1	1	0
14:00	201	38	32	6	0	0	2	4	12	61	67	46	8	1	0	0	0
15:00	177	36	31	5	0	0	0	0	12	65	65	27	7	1	0	0	0
16:00	165	35	30	5	0	0	1	2	15	59	61	24	2	1	0	0	0
17:00	134	37	32	5	0	0	0	0	7	51	45	25	5	0	1	0	0
18:00	154	34	29	5	0	0	0	3	21	76	42	11	0	1	0	0	0
19:00	121	35	29	5	0	0	1	1	25	39	39	14	1	0	1	0	0
20:00	60	35	29	6	0	0	0	3	10	23	14	6	4	0	0	0	0
21:00	30	38	32	6	0	0	0	1	3	9	7	7	2	1	0	0	0
22:00	30	33	28	5	0	0	0	0	8	10	12	0	0	0	0	0	0
23:00	16	33	28	5	0	0	0	0	6	4	4	2	0	0	0	0	0
Total																	
12H(7-19)	1868	36	31	5	0	2	3	18	166	673	692	248	48	13	4	1	0
16H(6-22)	2130	36	31	5	0	2	6	23	213	760	763	284	58	14	6	1	0
18H(6-24)	2176	36	31	5	0	2	6	23	227	774	779	286	58	14	6	1	0
24H(0-24)	2231	36	30	5	0	2	6	29	242	785	787	296	63	14	6	1	0
AM Peak	11:00 295	00:00 40	04:00 34	06:00 7	- 0	10:00 2	06:00 2	02:00 5	11:00 34	11:00 115	11:00 97	11:00 35	11:00 8	08:00 2	11:00 1	- 0	- 0
PM Peak	12:00 225	21:00 38	21:00 32	21:00 6	- 0	- 0	14:00 2	14:00 4	19:00 25	12:00 79	12:00 95	14:00 46	13:00 11	13:00 3	19:00 1	13:00 1	- 0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

26 Mar 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	29	38	30	8	0	2	0	0	4	6	8	6	3	0	0	0	0
01:00	28	33	26	7	0	0	0	1	17	3	3	2	2	0	0	0	0
02:00	25	34	27	7	0	0	0	5	8	5	3	2	2	0	0	0	0
03:00	14	34	29	4	0	0	0	2	1	1	10	0	0	0	0	0	0
04:00	5		31		0	0	0	0	0	3	1	0	1	0	0	0	0
05:00	20	35	28	7	0	0	0	0	9	4	3	3	1	0	0	0	0
06:00	68	37	29	8	0	0	2	8	12	17	14	11	3	0	1	0	0
07:00	90	34	30	4	0	0	2	0	4	36	41	5	2	0	0	0	0
08:00	76	36	31	5	0	0	0	1	6	30	25	6	4	4	0	0	0
09:00	154	34	30	4	0	0	0	0	25	49	73	4	1	1	1	0	0
10:00	319	34	29	5	0	2	0	5	48	142	99	19	3	1	0	0	0
11:00	533	34	29	5	0	0	1	4	73	246	151	42	13	1	2	0	0
12:00	459	34	29	5	0	0	0	0	62	224	138	30	4	1	0	0	0
13:00	398	35	31	4	0	0	0	1	46	155	136	38	14	5	1	1	1
14:00	377	37	31	6	0	0	2	4	34	151	110	59	14	1	1	1	0
15:00	375	35	30	5	0	0	0	2	47	163	116	31	13	1	2	0	0
16:00	313	34	29	5	0	0	1	6	43	134	95	29	4	1	0	0	0
17:00	302	35	30	5	0	0	0	0	29	143	86	35	7	1	1	0	0
18:00	291	33	29	5	0	0	0	4	48	141	80	15	0	3	0	0	0
19:00	252	34	29	5	0	0	1	1	57	109	60	21	2	0	1	0	0
20:00	140	35	29	6	0	0	0	3	27	56	33	13	6	2	0	0	0
21:00	76	35	29	5	0	0	0	2	13	32	18	8	2	1	0	0	0
22:00	74	33	29	5	0	0	0	1	17	29	22	3	1	0	0	1	0
23:00	41	33	28	5	0	0	0	0	9	19	9	4	0	0	0	0	0
Total																	
12H(7-19)	3687	35	30	5	0	2	6	27	465	1614	1150	313	79	20	8	2	1
16H(6-22)	4223	35	30	5	0	2	9	41	574	1828	1275	366	92	23	10	2	1
18H(6-24)	4338	35	30	5	0	2	9	42	600	1876	1306	373	93	23	10	3	1
24H(0-24)	4459	35	30	5	0	4	9	50	639	1898	1334	386	102	23	10	3	1
AM Peak	11:00 533	00:00 38	08:00 31	06:00 8	- 0	10:00 2	07:00 2	06:00 8	11:00 73	11:00 246	11:00 151	11:00 42	11:00 13	08:00 4	11:00 2	- 0	- 0
PM Peak	12:00 459	14:00 37	14:00 31	14:00 6	- 0	- 0	14:00 2	16:00 6	12:00 62	12:00 224	12:00 138	14:00 59	14:00 14	13:00 5	15:00 2	22:00 1	13:00 1

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	28	34	29	5	0	1	0	0	3	13	8	3	0	0	0	0	0
01:00	13	32	29	3	0	0	0	0	3	6	3	0	1	0	0	0	0
02:00	13	32	29	3	0	0	0	0	3	6	3	0	1	0	0	0	0
03:00	11	31	28	3	0	0	0	1	0	7	3	0	0	0	0	0	0
04:00	4		36		0	0	0	0	0	2	0	0	1	1	0	0	0
05:00	9		29		0	0	0	0	1	4	4	0	0	0	0	0	0
06:00	16	33	29	4	0	0	0	1	2	6	6	1	0	0	0	0	0
07:00	51	34	29	5	0	0	1	0	5	25	14	5	1	0	0	0	0
08:00	44	35	30	5	0	0	0	0	7	16	13	5	2	1	0	0	0
09:00	69	33	29	4	0	0	0	0	11	36	19	3	0	0	0	0	0
10:00	145	33	28	5	0	0	0	3	31	65	38	7	1	0	0	0	0
11:00	168	33	29	4	0	0	0	1	19	90	49	7	1	0	1	0	0
12:00	176	33	29	4	0	0	0	0	24	104	39	6	0	1	2	0	0
13:00	178	34	29	5	0	0	0	1	25	87	52	10	2	0	1	0	0
14:00	180	34	29	4	0	0	0	0	25	95	47	6	5	1	1	0	0
15:00	141	34	29	5	0	0	0	0	20	72	39	8	2	0	0	0	0
16:00	126	34	29	4	0	0	0	0	14	62	42	8	0	0	0	0	0
17:00	128	33	29	4	0	0	0	0	18	67	35	7	1	0	0	0	0
18:00	105	34	29	5	0	0	0	0	13	57	24	11	0	0	0	0	0
19:00	135	34	29	5	0	0	1	0	28	56	41	5	4	0	0	0	0
20:00	64	33	29	4	0	0	0	0	10	35	15	4	0	0	0	0	0
21:00	36	33	29	4	0	0	0	0	5	17	13	1	0	0	0	0	0
22:00	31	34	30	4	0	0	0	1	2	11	13	3	1	0	0	0	0
23:00	15	30	27	3	0	0	0	1	4	7	2	1	0	0	0	0	0
Total																	
12H(7-19)	1511	34	29	5	0	0	1	5	212	776	411	83	15	3	5	0	0
16H(6-22)	1762	34	29	5	0	0	2	6	257	890	486	94	19	3	5	0	0
18H(6-24)	1808	34	29	5	0	0	2	8	263	908	501	98	20	3	5	0	0
24H(0-24)	1886	34	29	5	0	1	2	9	273	946	522	101	23	4	5	0	0
AM Peak	11:00 168	08:00 35	04:00 36	10:00 5	- 0	00:00 1	07:00 1	10:00 3	10:00 31	11:00 90	11:00 49	11:00 7	08:00 2	08:00 1	11:00 1	- 0	- 0
PM Peak	14:00 180	22:00 34	22:00 30	19:00 5	- 0	- 0	19:00 1	23:00 1	19:00 28	12:00 104	13:00 52	18:00 11	14:00 5	14:00 1	12:00 2	- 0	- 0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

27 Mar 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	24	41	31	9	0	0	0	0	2	12	4	1	5	0	0	0	0
01:00	12	33	29	5	0	0	0	1	2	3	5	1	0	0	0	0	0
02:00	12	33	29	5	0	0	0	1	2	3	5	1	0	0	0	0	0
03:00	7		30		0	0	0	0	1	3	2	1	0	0	0	0	0
04:00	7		30		0	0	0	0	2	1	3	0	1	0	0	0	0
05:00	12	38	31	7	0	0	0	0	3	4	1	2	2	0	0	0	0
06:00	49	38	31	7	0	0	1	0	9	14	12	8	4	0	1	0	0
07:00	41	35	30	5	0	0	0	0	6	13	15	7	0	0	0	0	0
08:00	33	36	31	5	0	0	0	1	4	10	11	5	1	1	0	0	0
09:00	80	35	30	4	0	0	0	0	15	23	30	7	2	2	1	0	0
10:00	145	36	31	5	0	1	0	1	15	45	56	21	5	1	0	0	0
11:00	158	37	31	6	0	0	0	1	13	59	49	27	8	0	0	1	0
12:00	186	36	31	4	0	0	0	0	13	70	72	22	7	0	2	0	0
13:00	153	36	31	5	0	2	1	0	14	46	64	12	12	0	1	1	0
14:00	149	36	31	5	0	0	0	0	9	62	52	15	8	3	0	0	0
15:00	163	35	31	4	0	0	0	0	12	65	64	14	6	1	0	1	0
16:00	137	35	31	4	0	0	0	0	12	49	54	17	3	2	0	0	0
17:00	95	37	32	5	0	0	0	0	4	32	38	18	1	2	0	0	0
18:00	131	35	31	4	0	0	0	1	12	49	51	15	0	3	0	0	0
19:00	74	35	31	4	0	0	0	0	8	28	29	5	1	0	2	1	0
20:00	60	35	30	5	0	0	0	2	7	26	16	7	2	0	0	0	0
21:00	31	34	29	5	0	0	0	0	7	11	10	3	0	0	0	0	0
22:00	26	37	30	6	0	0	0	2	2	9	6	6	1	0	0	0	0
23:00	7		30		0	0	0	0	2	2	1	1	1	0	0	0	0
Total																	
12H(7-19)	1471	36	31	5	0	3	1	4	129	523	556	180	53	15	4	3	0
16H(6-22)	1685	36	31	5	0	3	2	6	160	602	623	203	60	15	7	4	0
18H(6-24)	1718	36	31	5	0	3	2	8	164	613	630	210	62	15	7	4	0
24H(0-24)	1792	36	31	5	0	3	2	10	176	639	650	216	70	15	7	4	0
AM Peak	11:00 158	00:00 41	00:00 31	00:00 9	- 0	10:00 1	06:00 1	11:00 1	10:00 15	11:00 59	10:00 56	11:00 27	11:00 8	09:00 2	09:00 1	11:00 1	- 0
PM Peak	12:00 186	22:00 37	17:00 32	22:00 6	- 0	13:00 2	13:00 1	22:00 2	13:00 14	12:00 70	12:00 72	12:00 22	13:00 12	18:00 3	19:00 2	19:00 1	- 0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

27 Mar 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	52	35	30	5	0	1	0	0	5	25	12	4	5	0	0	0	0
01:00	25	33	29	5	0	0	0	1	5	9	8	1	1	0	0	0	0
02:00	25	33	29	5	0	0	0	1	5	9	8	1	1	0	0	0	0
03:00	18	32	29	4	0	0	0	1	1	10	5	1	0	0	0	0	0
04:00	11	41	33	8	0	0	0	0	2	3	3	0	2	1	0	0	0
05:00	21	35	30	5	0	0	0	0	4	8	5	2	2	0	0	0	0
06:00	65	37	30	7	0	0	1	1	11	20	18	9	4	0	1	0	0
07:00	92	35	30	5	0	0	1	0	11	38	29	12	1	0	0	0	0
08:00	77	36	31	6	0	0	0	1	11	26	24	10	3	2	0	0	0
09:00	149	34	30	5	0	0	0	0	26	59	49	10	2	2	1	0	0
10:00	290	35	29	5	0	1	0	4	46	110	94	28	6	1	0	0	0
11:00	326	35	30	5	0	0	0	2	32	149	98	34	9	0	1	1	0
12:00	362	34	30	4	0	0	0	0	37	174	111	28	7	1	4	0	0
13:00	331	35	30	4	0	2	1	1	39	133	116	22	14	0	2	1	0
14:00	329	35	30	4	0	0	0	0	34	157	99	21	13	4	1	0	0
15:00	304	34	30	4	0	0	0	0	32	137	103	22	8	1	0	1	0
16:00	263	35	30	4	0	0	0	0	26	111	96	25	3	2	0	0	0
17:00	223	35	30	5	0	0	0	0	22	99	73	25	2	2	0	0	0
18:00	236	35	30	5	0	0	0	1	25	106	75	26	0	3	0	0	0
19:00	209	34	29	5	0	0	1	0	36	84	70	10	5	0	2	1	0
20:00	124	34	29	5	0	0	0	2	17	61	31	11	2	0	0	0	0
21:00	67	34	29	5	0	0	0	0	12	28	23	4	0	0	0	0	0
22:00	57	36	30	6	0	0	0	3	4	20	19	9	2	0	0	0	0
23:00	22	33	28	5	0	0	0	1	6	9	3	2	1	0	0	0	0
Total																	
12H(7-19)	2982	35	30	5	0	3	2	9	341	1299	967	263	68	18	9	3	0
16H(6-22)	3447	35	30	5	0	3	4	12	417	1492	1109	297	79	18	12	4	0
18H(6-24)	3526	35	30	5	0	3	4	16	427	1521	1131	308	82	18	12	4	0
24H(0-24)	3678	35	30	5	0	4	4	19	449	1585	1172	317	93	19	12	4	0
AM Peak	11:00 326	04:00 41	04:00 33	04:00 8	- 0	10:00 1	07:00 1	10:00 4	10:00 46	11:00 149	11:00 98	11:00 34	11:00 9	09:00 2	11:00 1	11:00 1	- 0
PM Peak	12:00 362	22:00 36	22:00 30	22:00 6	- 0	13:00 2	19:00 1	22:00 3	13:00 39	12:00 174	13:00 116	12:00 28	13:00 14	14:00 4	12:00 4	19:00 1	- 0

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	14	37	33	5	0	0	0	0	1	5	4	2	1	1	0	0	0
01:00	7		27		0	0	0	1	1	3	2	0	0	0	0	0	0
02:00	7		30		0	0	0	0	0	3	4	0	0	0	0	0	0
03:00	4		31		0	0	0	0	0	2	1	1	0	0	0	0	0
04:00	6		32		0	0	0	0	0	2	3	1	0	0	0	0	0
05:00	43	34	29	5	0	0	0	3	5	17	13	4	1	0	0	0	0
06:00	67	34	29	5	0	0	0	1	14	24	24	4	0	0	0	0	0
07:00	194	33	28	5	0	0	0	0	37	102	42	13	0	0	0	0	0
08:00	293	32	28	4	0	0	3	2	41	176	58	10	2	1	0	0	0
09:00	186	32	28	5	0	0	0	5	41	90	44	5	1	0	0	0	0
10:00	187	33	28	4	0	0	0	2	23	114	39	7	1	1	0	0	0
11:00	174	32	27	5	0	0	1	7	35	90	34	7	0	0	0	0	0
12:00	159	32	28	5	0	0	0	0	40	78	35	6	0	0	0	0	0
13:00	168	33	28	5	0	0	0	5	28	88	39	7	1	0	0	0	0
14:00	184	33	28	4	0	0	0	1	30	100	45	4	3	1	0	0	0
15:00	249	33	28	4	0	0	0	1	42	141	53	8	4	0	0	0	0
16:00	287	32	28	4	0	0	0	9	37	173	57	8	2	0	0	1	0
17:00	320	33	28	4	0	0	0	2	38	192	76	11	1	0	0	0	0
18:00	200	33	28	4	0	0	0	2	34	106	50	5	2	1	0	0	0
19:00	135	33	28	4	0	0	1	2	16	74	37	4	1	0	0	0	0
20:00	72	33	28	5	0	0	0	2	10	37	20	3	0	0	0	0	0
21:00	36	34	30	4	0	0	0	0	2	18	13	3	0	0	0	0	0
22:00	28	34	28	6	0	0	1	1	7	11	4	2	1	1	0	0	0
23:00	11	32	29	3	0	0	0	0	1	6	3	1	0	0	0	0	0
Total																	
12H(7-19)	2601	33	28	4	0	0	4	36	426	1450	572	91	17	4	0	1	0
16H(6-22)	2911	33	28	5	0	0	5	41	468	1603	666	105	18	4	0	1	0
18H(6-24)	2950	33	28	5	0	0	6	42	476	1620	673	108	19	5	0	1	0
24H(0-24)	3031	33	28	5	0	0	6	46	483	1652	700	116	21	6	0	1	0
AM Peak	08:00 293	00:00 37	00:00 33	05:00 5	- 0	- 0	08:00 3	11:00 7	09:00 41	08:00 176	08:00 58	07:00 13	08:00 2	10:00 1	- 0	- 0	- 0
PM Peak	17:00 320	21:00 34	21:00 30	22:00 6	- 0	- 0	22:00 1	16:00 9	15:00 42	17:00 192	17:00 76	17:00 11	15:00 4	22:00 1	- 0	16:00 1	- 0

Site No. 578101 64.98716 Site Ref. 578101
 Site 1
 Speed Report (Speed Limit 30 Mph)

28 Mar 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	6		32		0	0	0	1	0	1	1	3	0	0	0	0	0
01:00	3		27		0	0	0	0	1	1	1	0	0	0	0	0	0
02:00	9		32		0	0	0	0	0	4	2	3	0	0	0	0	0
03:00	6		30		0	0	0	0	0	3	3	0	0	0	0	0	0
04:00	16	37	33	4	0	0	0	0	0	6	6	2	2	0	0	0	0
05:00	61	38	31	6	0	0	0	0	6	23	15	13	4	0	0	0	0
06:00	185	35	30	4	0	2	0	0	15	83	63	16	1	4	1	0	0
07:00	250	36	31	5	0	1	2	2	22	87	91	34	6	4	0	1	0
08:00	276	35	30	5	0	0	0	3	36	118	80	29	8	2	0	0	0
09:00	182	34	29	5	0	0	0	1	24	82	59	13	3	0	0	0	0
10:00	169	34	30	5	0	0	0	2	23	72	52	15	4	1	0	0	0
11:00	153	34	29	6	0	1	1	1	33	60	39	14	3	0	1	0	0
12:00	155	35	31	4	0	1	0	2	8	52	71	15	6	0	0	0	0
13:00	200	37	30	7	0	0	2	3	32	67	55	25	12	3	0	1	0
14:00	224	36	30	5	0	0	2	3	28	78	76	23	10	2	1	1	0
15:00	226	35	30	5	0	0	0	6	20	89	79	25	5	2	0	0	0
16:00	211	36	31	5	0	0	0	0	22	75	72	37	1	1	3	0	0
17:00	228	35	30	5	0	1	0	2	28	98	68	19	10	2	0	0	0
18:00	200	35	30	5	0	1	3	1	22	72	70	24	6	1	0	0	0
19:00	121	37	30	7	0	0	0	4	16	50	24	19	5	2	1	0	0
20:00	72	35	30	5	0	0	0	0	12	31	17	10	2	0	0	0	0
21:00	39	37	30	7	0	0	2	0	4	15	8	7	3	0	0	0	0
22:00	21	34	29	5	0	0	0	1	3	9	5	3	0	0	0	0	0
23:00	16	32	29	3	0	0	0	0	2	9	4	0	1	0	0	0	0
Total																	
12H(7-19)	2474	35	30	5	0	5	10	26	298	950	812	273	74	18	5	3	0
16H(6-22)	2891	35	30	5	0	7	12	30	345	1129	924	325	85	24	7	3	0
18H(6-24)	2928	35	30	5	0	7	12	31	350	1147	933	328	86	24	7	3	0
24H(0-24)	3029	35	30	5	0	7	12	32	357	1185	961	349	92	24	7	3	0
AM Peak	08:00 276	05:00 38	04:00 33	05:00 6	- 0	06:00 2	07:00 2	08:00 3	08:00 36	08:00 118	07:00 91	07:00 34	08:00 8	07:00 4	11:00 1	07:00 1	- 0
PM Peak	17:00 228	21:00 37	16:00 31	21:00 7	- 0	18:00 1	18:00 3	15:00 6	13:00 32	17:00 98	15:00 79	16:00 37	13:00 12	13:00 3	16:00 3	14:00 1	- 0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

28 Mar 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	20	38	32	6	0	0	0	1	1	6	5	5	1	1	0	0	0
01:00	10	31	27	4	0	0	0	1	2	4	3	0	0	0	0	0	0
02:00	16	35	31	4	0	0	0	0	0	7	6	3	0	0	0	0	0
03:00	10	33	31	3	0	0	0	0	0	5	4	1	0	0	0	0	0
04:00	22	36	32	4	0	0	0	0	0	8	9	3	2	0	0	0	0
05:00	104	37	30	6	0	0	0	3	11	40	28	17	5	0	0	0	0
06:00	252	34	30	5	0	2	0	1	29	107	87	20	1	4	1	0	0
07:00	444	35	30	5	0	1	2	2	59	189	133	47	6	4	0	1	0
08:00	569	34	29	5	0	0	3	5	77	294	138	39	10	3	0	0	0
09:00	368	33	29	5	0	0	0	6	65	172	103	18	4	0	0	0	0
10:00	356	34	29	5	0	0	0	4	46	186	91	22	5	2	0	0	0
11:00	327	33	28	5	0	1	2	8	68	150	73	21	3	0	1	0	0
12:00	314	34	29	5	0	1	0	2	48	130	106	21	6	0	0	0	0
13:00	368	35	29	5	0	0	2	8	60	155	94	32	13	3	0	1	0
14:00	408	34	30	5	0	0	2	4	58	178	121	27	13	3	1	1	0
15:00	475	34	29	5	0	0	0	7	62	230	132	33	9	2	0	0	0
16:00	498	34	29	5	0	0	0	9	59	248	129	45	3	1	3	1	0
17:00	548	34	29	5	0	1	0	4	66	290	144	30	11	2	0	0	0
18:00	400	34	29	5	0	1	3	3	56	178	120	29	8	2	0	0	0
19:00	256	34	29	5	0	0	1	6	32	124	61	23	6	2	1	0	0
20:00	144	34	29	5	0	0	0	2	22	68	37	13	2	0	0	0	0
21:00	75	35	30	5	0	0	2	0	6	33	21	10	3	0	0	0	0
22:00	49	34	28	6	0	0	1	2	10	20	9	5	1	1	0	0	0
23:00	27	33	29	4	0	0	0	0	3	15	7	1	1	0	0	0	0
Total																	
12H(7-19)	5075	34	29	5	0	5	14	62	724	2400	1384	364	91	22	5	4	0
16H(6-22)	5802	34	29	5	0	7	17	71	813	2732	1590	430	103	28	7	4	0
18H(6-24)	5878	34	29	5	0	7	18	73	826	2767	1606	436	105	29	7	4	0
24H(0-24)	6060	34	29	5	0	7	18	78	840	2837	1661	465	113	30	7	4	0
AM Peak	08:00 569	00:00 38	00:00 32	05:00 6	- 0	06:00 2	08:00 3	11:00 8	08:00 77	08:00 294	08:00 138	07:00 47	08:00 10	07:00 4	11:00 1	07:00 1	- 0
PM Peak	17:00 548	21:00 35	21:00 30	22:00 6	- 0	18:00 1	18:00 3	16:00 9	17:00 66	17:00 290	17:00 144	16:00 45	14:00 13	14:00 3	16:00 3	16:00 1	- 0

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	8		31		0	0	0	0	1	3	2	2	0	0	0	0	0
01:00	8		28		0	0	0	1	1	3	3	0	0	0	0	0	0
02:00	9		28		0	1	0	0	2	2	3	0	0	1	0	0	0
03:00	3		27		0	0	0	0	1	1	1	0	0	0	0	0	0
04:00	7		27		0	0	0	0	1	5	1	0	0	0	0	0	0
05:00	32	32	28	3	0	0	0	0	4	20	7	1	0	0	0	0	0
06:00	73	33	28	5	0	0	0	1	12	36	20	4	0	0	0	0	0
07:00	226	33	27	5	0	0	0	5	69	92	48	9	2	1	0	0	0
08:00	273	33	28	4	0	0	1	0	49	151	62	9	0	1	0	0	0
09:00	230	32	27	4	0	0	0	7	52	124	40	6	1	0	0	0	0
10:00	179	30	26	4	0	0	0	9	53	92	22	2	1	0	0	0	0
11:00	161	30	26	3	0	0	0	4	52	85	17	1	2	0	0	0	0
12:00	179	32	27	5	0	0	2	4	47	85	32	7	1	1	0	0	0
13:00	189	30	26	3	0	0	0	3	68	96	18	4	0	0	0	0	0
14:00	180	32	28	4	0	0	0	1	37	104	35	3	0	0	0	0	0
15:00	291	31	27	3	0	0	0	4	64	174	44	5	0	0	0	0	0
16:00	298	32	28	4	0	0	0	5	47	169	68	9	0	0	0	0	0
17:00	306	33	29	5	0	0	0	0	48	158	79	18	2	1	0	0	0
18:00	202	33	28	5	0	0	0	2	42	92	53	10	3	0	0	0	0
19:00	157	34	29	5	0	0	0	2	19	91	28	15	0	1	1	0	0
20:00	64	31	28	3	0	0	0	0	12	40	7	4	0	1	0	0	0
21:00	41	33	28	5	0	0	0	0	11	18	8	3	0	1	0	0	0
22:00	39	37	29	8	0	1	0	1	9	13	7	3	4	1	0	0	0
23:00	17	34	29	5	0	0	0	0	4	6	5	2	0	0	0	0	0
Total																	
12H(7-19)	2714	32	28	5	0	0	3	44	628	1422	518	83	12	4	0	0	0
16H(6-22)	3049	32	28	5	0	0	3	47	682	1607	581	109	12	7	1	0	0
18H(6-24)	3105	32	28	5	0	1	3	48	695	1626	593	114	16	8	1	0	0
24H(0-24)	3172	32	28	5	0	2	3	49	705	1660	610	117	16	9	1	0	0
AM Peak	08:00	06:00	00:00	07:00	-	02:00	08:00	10:00	07:00	08:00	08:00	08:00	11:00	08:00	-	-	-
	273	33	31	5	0	1	1	9	69	151	62	9	2	1	0	0	0
PM Peak	17:00	22:00	22:00	22:00	-	22:00	12:00	16:00	13:00	15:00	17:00	17:00	22:00	22:00	19:00	-	-
	306	37	29	8	0	1	2	5	68	174	79	18	4	1	1	0	0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

29 Mar 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	11	30	27	3	0	0	0	2	1	6	1	1	0	0	0	0	0
01:00	6		34		0	0	0	0	1	1	2	1	0	1	0	0	0
02:00	5		32		0	0	0	0	1	1	1	1	1	0	0	0	0
03:00	7		36		0	0	0	0	0	2	2	1	1	0	1	0	0
04:00	19	35	31	4	0	0	0	0	2	4	9	4	0	0	0	0	0
05:00	52	38	32	6	0	1	0	0	5	11	19	11	4	1	0	0	0
06:00	199	35	30	5	0	2	0	2	22	73	73	17	6	2	2	0	0
07:00	280	35	30	4	0	0	0	0	25	117	101	30	3	3	1	0	0
08:00	287	35	30	5	0	0	0	2	41	113	90	22	10	6	0	3	0
09:00	212	34	29	5	0	0	0	10	39	74	73	11	3	2	0	0	0
10:00	154	34	30	4	0	0	0	1	14	67	59	10	3	0	0	0	0
11:00	200	34	28	5	0	1	0	3	43	85	53	13	2	0	0	0	0
12:00	188	34	29	5	0	0	1	1	35	83	52	14	2	0	0	0	0
13:00	178	35	30	5	0	0	0	4	18	85	45	24	1	1	0	0	0
14:00	225	34	29	5	0	1	0	2	34	101	61	21	4	1	0	0	0
15:00	237	34	29	5	0	0	0	4	32	111	66	18	2	4	0	0	0
16:00	259	35	30	5	0	0	0	1	32	104	93	23	4	2	0	0	0
17:00	262	35	30	5	0	1	0	0	27	118	80	27	6	1	1	1	0
18:00	189	35	30	5	0	2	2	0	24	73	61	24	3	0	0	0	0
19:00	129	36	31	6	0	0	1	1	11	55	37	16	6	2	0	0	0
20:00	69	34	29	4	0	0	0	1	11	25	27	2	3	0	0	0	0
21:00	50	38	31	6	0	0	0	0	3	23	13	5	5	1	0	0	0
22:00	24	35	30	4	0	0	0	0	4	9	7	3	0	0	1	0	0
23:00	11	33	31	3	0	0	0	0	0	5	5	1	0	0	0	0	0
Total																	
12H(7-19)	2671	35	30	5	0	5	3	28	364	1131	834	237	43	20	2	4	0
16H(6-22)	3118	35	30	5	0	7	4	32	411	1307	984	277	63	25	4	4	0
18H(6-24)	3153	35	30	5	0	7	4	32	415	1321	996	281	63	25	5	4	0
24H(0-24)	3253	35	30	5	0	8	4	34	425	1346	1030	300	69	27	6	4	0
AM Peak	08:00 287	05:00 38	03:00 36	05:00 6	- 0	06:00 2	- 0	09:00 10	11:00 43	07:00 117	07:00 101	07:00 30	08:00 10	08:00 6	06:00 2	08:00 3	- 0
PM Peak	17:00 262	21:00 38	21:00 31	21:00 6	- 0	18:00 2	18:00 2	15:00 4	12:00 35	17:00 118	16:00 93	17:00 27	19:00 6	15:00 4	22:00 1	17:00 1	- 0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

29 Mar 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	19	34	28	5	0	0	0	2	2	9	3	3	0	0	0	0	0
01:00	14	34	30	4	0	0	0	1	2	4	5	1	0	1	0	0	0
02:00	14	35	30	5	0	1	0	0	3	3	4	1	1	1	0	0	0
03:00	10	38	33	4	0	0	0	0	1	3	3	1	1	0	1	0	0
04:00	26	35	30	4	0	0	0	0	3	9	10	4	0	0	0	0	0
05:00	84	37	31	6	0	1	0	0	9	31	26	12	4	1	0	0	0
06:00	272	35	30	5	0	2	0	3	34	109	93	21	6	2	2	0	0
07:00	506	34	29	5	0	0	0	5	94	209	149	39	5	4	1	0	0
08:00	560	34	29	5	0	0	1	2	90	264	152	31	10	7	0	3	0
09:00	442	33	28	5	0	0	0	17	91	198	113	17	4	2	0	0	0
10:00	333	33	28	5	0	0	0	10	67	159	81	12	4	0	0	0	0
11:00	361	32	27	5	0	1	0	7	95	170	70	14	4	0	0	0	0
12:00	367	33	28	5	0	0	3	5	82	168	84	21	3	1	0	0	0
13:00	367	33	28	5	0	0	0	7	86	181	63	28	1	1	0	0	0
14:00	405	33	28	5	0	1	0	3	71	205	96	24	4	1	0	0	0
15:00	528	33	28	5	0	0	0	8	96	285	110	23	2	4	0	0	0
16:00	557	34	29	5	0	0	0	6	79	273	161	32	4	2	0	0	0
17:00	568	34	29	5	0	1	0	0	75	276	159	45	8	2	1	1	0
18:00	391	34	29	5	0	2	2	2	66	165	114	34	6	0	0	0	0
19:00	286	35	30	5	0	0	1	3	30	146	65	31	6	3	1	0	0
20:00	133	33	29	5	0	0	0	1	23	65	34	6	3	1	0	0	0
21:00	91	35	30	5	0	0	0	0	14	41	21	8	5	2	0	0	0
22:00	63	36	30	7	0	1	0	1	13	22	14	6	4	1	1	0	0
23:00	28	34	30	4	0	0	0	0	4	11	10	3	0	0	0	0	0
Total																	
12H(7-19)	5385	34	29	5	0	5	6	72	992	2553	1352	320	55	24	2	4	0
16H(6-22)	6167	34	29	5	0	7	7	79	1093	2914	1565	386	75	32	5	4	0
18H(6-24)	6258	34	29	5	0	8	7	80	1110	2947	1589	395	79	33	6	4	0
24H(0-24)	6425	34	29	5	0	10	7	83	1130	3006	1640	417	85	36	7	4	0
AM Peak	08:00 560	03:00 38	03:00 33	05:00 6	- 0	06:00 2	08:00 1	09:00 17	11:00 95	08:00 264	08:00 152	07:00 39	08:00 10	08:00 7	06:00 2	08:00 3	- 0
PM Peak	17:00 568	22:00 36	21:00 30	22:00 7	- 0	18:00 2	12:00 3	15:00 8	15:00 96	15:00 285	16:00 161	17:00 45	17:00 8	15:00 4	22:00 1	17:00 1	- 0

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	10	32	29	3	0	0	0	0	2	4	4	0	0	0	0	0	0
01:00	7		27		0	0	0	0	2	4	1	0	0	0	0	0	0
02:00	4		29		0	0	0	0	2	0	1	1	0	0	0	0	0
03:00	2		30		0	0	0	0	0	1	1	0	0	0	0	0	0
04:00	10	33	29	3	0	0	0	0	1	4	5	0	0	0	0	0	0
05:00	26	32	28	5	0	0	1	0	6	11	7	1	0	0	0	0	0
06:00	80	33	28	5	0	0	0	1	21	33	19	4	1	1	0	0	0
07:00	212	32	27	5	0	0	1	3	55	101	47	4	1	0	0	0	0
08:00	297	32	28	4	0	0	0	1	66	164	53	13	0	0	0	0	0
09:00	202	31	27	4	0	0	0	3	47	111	39	2	0	0	0	0	0
10:00	184	31	27	4	0	0	2	5	50	95	27	5	0	0	0	0	0
11:00	164	32	27	5	0	1	1	0	41	83	29	8	1	0	0	0	0
12:00	204	32	28	4	0	0	0	4	48	105	39	7	0	1	0	0	0
13:00	200	31	27	4	0	0	7	1	51	104	31	6	0	0	0	0	0
14:00	181	33	28	5	0	0	0	2	38	92	40	6	2	1	0	0	0
15:00	261	33	28	5	0	0	0	0	43	141	65	11	1	0	0	0	0
16:00	268	33	29	5	0	0	0	0	48	132	78	8	0	2	0	0	0
17:00	311	33	28	4	0	0	0	3	48	178	65	13	4	0	0	0	0
18:00	197	33	28	5	0	0	0	4	36	104	46	5	1	1	0	0	0
19:00	157	33	28	5	0	0	2	0	38	71	39	4	2	0	1	0	0
20:00	70	33	28	5	0	0	0	1	18	30	17	2	1	1	0	0	0
21:00	53	32	28	4	0	0	0	1	15	24	10	1	2	0	0	0	0
22:00	37	30	26	4	0	0	1	4	6	19	6	1	0	0	0	0	0
23:00	15	34	29	5	0	0	0	1	3	5	4	2	0	0	0	0	0
Total																	
12H(7-19)	2681	32	28	5	0	1	11	26	571	1410	559	88	10	5	0	0	0
16H(6-22)	3041	33	28	5	0	1	13	29	663	1568	644	99	16	7	1	0	0
18H(6-24)	3093	33	28	5	0	1	14	34	672	1592	654	102	16	7	1	0	0
24H(0-24)	3152	33	28	5	0	1	15	34	685	1616	673	104	16	7	1	0	0
AM Peak	08:00 297	06:00 33	03:00 30	06:00 5	- 0	11:00 1	10:00 2	10:00 5	08:00 66	08:00 164	08:00 53	08:00 13	11:00 1	06:00 1	- 0	- 0	- 0
PM Peak	17:00 311	23:00 34	23:00 29	23:00 5	- 0	- 0	13:00 7	22:00 4	13:00 51	17:00 178	16:00 78	17:00 13	17:00 4	16:00 2	19:00 1	- 0	- 0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

30 Mar 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	6		33		0	0	0	0	2	0	1	2	0	1	0	0	0
01:00	7		28		0	0	0	0	2	2	3	0	0	0	0	0	0
02:00	5		31		0	0	0	1	1	0	0	2	1	0	0	0	0
03:00	5		30		0	0	0	0	0	3	1	1	0	0	0	0	0
04:00	15	41	33	8	0	0	0	0	3	3	3	2	3	1	0	0	0
05:00	61	37	31	6	0	0	0	0	7	23	15	13	2	1	0	0	0
06:00	180	35	30	5	0	2	0	2	23	75	53	18	6	1	0	0	0
07:00	261	36	31	5	0	0	0	3	23	96	93	34	7	4	1	0	0
08:00	300	35	30	5	0	0	2	0	31	132	98	27	9	0	1	0	0
09:00	177	35	30	5	0	0	0	2	22	82	48	15	5	2	0	1	0
10:00	197	34	28	5	0	1	0	2	40	82	59	11	2	0	0	0	0
11:00	162	35	29	6	0	1	0	8	34	57	37	25	0	0	0	0	0
12:00	177	34	29	5	0	0	0	0	22	81	57	16	1	0	0	0	0
13:00	223	34	29	6	0	4	4	1	31	100	57	25	1	0	0	0	0
14:00	221	35	30	5	0	0	0	4	28	91	68	21	5	4	0	0	0
15:00	196	34	30	5	0	0	0	4	17	90	68	16	0	0	1	0	0
16:00	263	35	30	5	0	0	0	2	35	107	87	22	9	1	0	0	0
17:00	235	35	30	4	0	0	0	0	25	96	82	23	7	1	1	0	0
18:00	193	35	30	5	0	1	0	5	25	79	60	11	6	5	0	0	1
19:00	118	35	31	4	0	0	0	1	12	39	49	14	3	0	0	0	0
20:00	78	34	29	5	0	0	0	2	16	29	25	4	2	0	0	0	0
21:00	53	33	28	5	0	0	0	1	13	20	15	4	0	0	0	0	0
22:00	29	34	30	4	0	0	0	0	5	14	6	3	0	0	0	0	1
23:00	9		24		0	1	0	2	2	2	1	1	0	0	0	0	0
Total																	
12H(7-19)	2605	35	30	5	0	7	6	31	333	1093	814	246	52	17	4	1	1
16H(6-22)	3034	35	30	5	0	9	6	37	397	1256	956	286	63	18	4	1	1
18H(6-24)	3072	35	30	5	0	10	6	39	404	1272	963	290	63	18	4	1	2
24H(0-24)	3171	35	30	5	0	10	6	40	419	1303	986	310	69	21	4	1	2
AM Peak	08:00 300	04:00 41	00:00 33	04:00 8	- 0	06:00 2	08:00 2	11:00 8	10:00 40	08:00 132	08:00 98	07:00 34	08:00 9	07:00 4	08:00 1	09:00 1	- 0
PM Peak	16:00 263	19:00 35	19:00 31	13:00 6	- 0	13:00 4	13:00 4	18:00 5	16:00 35	16:00 107	16:00 87	13:00 25	16:00 9	18:00 5	17:00 1	- 0	22:00 1

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

30 Mar 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	16	35	30	4	0	0	0	0	4	4	5	2	0	1	0	0	0
01:00	14	31	28	4	0	0	0	0	4	6	4	0	0	0	0	0	0
02:00	9		30		0	0	0	1	3	0	1	3	1	0	0	0	0
03:00	7		30		0	0	0	0	0	4	2	1	0	0	0	0	0
04:00	25	38	32	6	0	0	0	0	4	7	8	2	3	1	0	0	0
05:00	87	36	30	6	0	0	1	0	13	34	22	14	2	1	0	0	0
06:00	260	34	29	5	0	2	0	3	44	108	72	22	7	2	0	0	0
07:00	473	34	29	5	0	0	1	6	78	197	140	38	8	4	1	0	0
08:00	597	34	29	5	0	0	2	1	97	296	151	40	9	0	1	0	0
09:00	379	33	28	5	0	0	0	5	69	193	87	17	5	2	0	1	0
10:00	381	33	28	5	0	1	2	7	90	177	86	16	2	0	0	0	0
11:00	326	34	28	6	0	2	1	8	75	140	66	33	1	0	0	0	0
12:00	381	33	28	5	0	0	0	4	70	186	96	23	1	1	0	0	0
13:00	423	33	28	5	0	4	11	2	82	204	88	31	1	0	0	0	0
14:00	402	34	29	5	0	0	0	6	66	183	108	27	7	5	0	0	0
15:00	457	34	29	5	0	0	0	4	60	231	133	27	1	0	1	0	0
16:00	531	34	29	5	0	0	0	2	83	239	165	30	9	3	0	0	0
17:00	546	34	29	5	0	0	0	3	73	274	147	36	11	1	1	0	0
18:00	390	34	29	5	0	1	0	9	61	183	106	16	7	6	0	0	1
19:00	275	34	29	5	0	0	2	1	50	110	88	18	5	0	1	0	0
20:00	148	34	28	5	0	0	0	3	34	59	42	6	3	1	0	0	0
21:00	106	33	28	5	0	0	0	2	28	44	25	5	2	0	0	0	0
22:00	66	33	28	5	0	0	1	4	11	33	12	4	0	0	0	0	1
23:00	24	33	27	7	0	1	0	3	5	7	5	3	0	0	0	0	0
Total																	
12H(7-19)	5286	34	29	5	0	8	17	57	904	2503	1373	334	62	22	4	1	1
16H(6-22)	6075	34	29	5	0	10	19	66	1060	2824	1600	385	79	25	5	1	1
18H(6-24)	6165	34	29	5	0	11	20	73	1076	2864	1617	392	79	25	5	1	2
24H(0-24)	6323	34	29	5	0	11	21	74	1104	2919	1659	414	85	28	5	1	2
AM Peak	08:00 597	04:00 38	04:00 32	04:00 6	- 0	11:00 2	10:00 2	11:00 8	08:00 97	08:00 296	08:00 151	08:00 40	08:00 9	07:00 4	08:00 1	09:00 1	- 0
PM Peak	17:00 546	19:00 34	17:00 29	23:00 7	- 0	13:00 4	13:00 11	18:00 9	16:00 83	17:00 274	16:00 165	17:00 36	17:00 11	18:00 6	19:00 1	- 0	22:00 1

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	13	31	27	4	0	0	0	0	5	4	4	0	0	0	0	0	0
01:00	7		27		0	0	0	1	4	0	0	1	1	0	0	0	0
02:00	6		27		0	0	0	0	1	4	1	0	0	0	0	0	0
03:00	7		30		0	0	0	0	1	2	3	1	0	0	0	0	0
04:00	9		30		0	0	0	0	1	2	6	0	0	0	0	0	0
05:00	29	31	29	2	0	0	0	0	0	23	6	0	0	0	0	0	0
06:00	93	33	28	5	0	0	1	3	20	42	20	5	2	0	0	0	0
07:00	203	31	27	5	0	1	1	7	61	95	32	4	2	0	0	0	0
08:00	271	32	28	5	0	0	0	2	69	129	62	7	0	2	0	0	0
09:00	173	32	28	4	0	0	0	1	33	97	37	5	0	0	0	0	0
10:00	177	32	27	4	0	0	0	5	42	91	32	5	2	0	0	0	0
11:00	159	30	27	3	0	0	0	2	47	85	23	2	0	0	0	0	0
12:00	168	33	28	5	0	0	0	3	44	75	40	5	1	0	0	0	0
13:00	189	32	28	4	0	0	0	4	36	104	39	5	1	0	0	0	0
14:00	207	33	28	5	0	0	0	2	47	89	57	8	2	2	0	0	0
15:00	239	33	28	5	0	0	0	0	47	124	58	9	1	0	0	0	0
16:00	296	33	28	5	0	0	6	3	62	148	59	16	2	0	0	0	0
17:00	293	32	28	4	0	0	0	1	39	174	71	7	1	0	0	0	0
18:00	226	33	28	5	0	0	0	1	43	118	54	9	1	0	0	0	0
19:00	136	35	30	5	0	0	0	3	18	65	32	13	0	2	3	0	0
20:00	72	29	27	2	0	0	0	0	14	55	1	1	0	1	0	0	0
21:00	37	34	29	5	0	0	0	0	10	15	7	2	0	3	0	0	0
22:00	43	34	27	7	0	3	0	3	8	19	3	3	2	2	0	0	0
23:00	20	25	24	1	0	0	0	0	16	2	1	1	0	0	0	0	0
Total																	
12H(7-19)	2601	33	28	5	0	1	7	31	570	1329	564	82	13	4	0	0	0
16H(6-22)	2939	33	28	5	0	1	8	37	632	1506	624	103	15	10	3	0	0
18H(6-24)	3002	33	28	5	0	4	8	40	656	1527	628	107	17	12	3	0	0
24H(0-24)	3073	33	28	5	0	4	8	41	668	1562	648	109	18	12	3	0	0
AM Peak	08:00 271	06:00 33	03:00 30	06:00 5	- 0	07:00 1	07:00 1	07:00 7	08:00 69	08:00 129	08:00 62	08:00 7	10:00 2	08:00 2	- 0	- 0	- 0
PM Peak	16:00 296	19:00 35	19:00 30	22:00 7	- 0	22:00 3	16:00 6	13:00 4	16:00 62	17:00 174	17:00 71	16:00 16	22:00 2	21:00 3	19:00 3	- 0	- 0

Site No. 578101 64.98716 Site Ref. 578101
 Site 1
 Speed Report (Speed Limit 30 Mph)

31 Mar 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	11	29	27	3	0	0	0	3	2	4	0	1	0	1	0	0	0
01:00	9		29		0	0	1	0	2	0	5	1	0	0	0	0	0
02:00	6		31		0	0	0	1	0	1	2	2	0	0	0	0	0
03:00	7		26		0	1	0	0	0	5	0	1	0	0	0	0	0
04:00	18	37	31	6	0	0	0	0	3	5	4	6	0	0	0	0	0
05:00	45	36	30	6	0	0	0	0	8	15	13	7	2	0	0	0	0
06:00	196	36	30	6	0	3	0	0	24	73	62	27	4	3	0	0	0
07:00	288	36	30	6	0	1	0	6	33	98	97	46	6	0	0	0	1
08:00	313	35	29	5	0	0	0	2	59	117	96	35	3	1	0	0	0
09:00	186	35	30	5	0	0	0	2	33	63	66	19	3	0	0	0	0
10:00	162	34	29	5	0	0	0	9	26	56	57	14	0	0	0	0	0
11:00	151	35	30	5	0	0	0	1	27	45	54	19	4	1	0	0	0
12:00	161	35	30	5	0	0	0	2	23	61	51	23	1	0	0	0	0
13:00	195	35	30	5	0	0	0	3	37	61	67	16	7	1	0	2	1
14:00	210	35	30	5	0	0	1	2	20	84	69	25	7	1	0	1	0
15:00	211	35	30	5	0	0	0	4	30	73	71	26	6	1	0	0	0
16:00	244	35	30	5	0	0	1	4	17	105	79	30	6	2	0	0	0
17:00	248	36	31	5	0	0	0	1	23	106	73	33	7	2	0	1	2
18:00	224	35	30	4	0	1	1	0	26	68	105	20	3	0	0	0	0
19:00	125	35	30	5	0	0	2	2	10	48	44	15	2	2	0	0	0
20:00	70	34	29	5	0	0	0	2	11	28	25	2	2	0	0	0	0
21:00	54	34	30	3	0	0	0	0	2	34	13	1	1	3	0	0	0
22:00	28	30	29	1	0	0	0	0	2	21	1	3	0	0	1	0	0
23:00	12	35	31	5	0	0	0	0	0	7	2	3	0	0	0	0	0
Total																	
12H(7-19)	2593	35	30	5	0	2	3	36	354	937	885	306	53	9	0	4	4
16H(6-22)	3038	35	30	5	0	5	5	40	401	1120	1029	351	62	17	0	4	4
18H(6-24)	3078	35	30	5	0	5	5	40	403	1148	1032	357	62	17	1	4	4
24H(0-24)	3174	35	30	5	0	6	6	44	418	1178	1056	375	64	18	1	4	4
AM Peak	08:00 313	04:00 37	04:00 31	04:00 6	- 0	06:00 3	01:00 1	10:00 9	08:00 59	08:00 117	07:00 97	07:00 46	07:00 6	06:00 3	- 0	- 0	07:00 1
PM Peak	17:00 248	17:00 36	17:00 31	17:00 5	- 0	18:00 1	19:00 2	16:00 4	13:00 37	17:00 106	18:00 105	17:00 33	17:00 7	21:00 3	22:00 1	13:00 2	17:00 2

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

31 Mar 2022

Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	24	32	27	5	0	0	0	3	7	8	4	1	0	1	0	0	0
01:00	16	35	28	7	0	0	1	1	6	0	5	2	1	0	0	0	0
02:00	12	34	29	4	0	0	0	1	1	5	3	2	0	0	0	0	0
03:00	14	33	28	5	0	1	0	0	1	7	3	2	0	0	0	0	0
04:00	27	36	31	5	0	0	0	0	4	7	10	6	0	0	0	0	0
05:00	74	34	30	5	0	0	0	0	8	38	19	7	2	0	0	0	0
06:00	289	35	29	5	0	3	1	3	44	115	82	32	6	3	0	0	0
07:00	491	34	29	6	0	2	1	13	94	193	129	50	8	0	0	0	1
08:00	584	34	29	5	0	0	0	4	128	246	158	42	3	3	0	0	0
09:00	359	34	29	5	0	0	0	3	66	160	103	24	3	0	0	0	0
10:00	339	33	28	5	0	0	0	14	68	147	89	19	2	0	0	0	0
11:00	310	34	28	5	0	0	0	3	74	130	77	21	4	1	0	0	0
12:00	329	34	29	5	0	0	0	5	67	136	91	28	2	0	0	0	0
13:00	384	34	29	5	0	0	0	7	73	165	106	21	8	1	0	2	1
14:00	417	34	29	5	0	0	1	4	67	173	126	33	9	3	0	1	0
15:00	450	34	29	5	0	0	0	4	77	197	129	35	7	1	0	0	0
16:00	540	34	29	5	0	0	7	7	79	253	138	46	8	2	0	0	0
17:00	541	34	29	5	0	0	0	2	62	280	144	40	8	2	0	1	2
18:00	450	34	29	5	0	1	1	1	69	186	159	29	4	0	0	0	0
19:00	261	35	30	5	0	0	2	5	28	113	76	28	2	4	3	0	0
20:00	142	32	28	4	0	0	0	2	25	83	26	3	2	1	0	0	0
21:00	91	34	30	4	0	0	0	0	12	49	20	3	1	6	0	0	0
22:00	71	34	28	6	0	3	0	3	10	40	4	6	2	2	1	0	0
23:00	32	32	27	5	0	0	0	0	16	9	3	4	0	0	0	0	0
Total																	
12H(7-19)	5194	34	29	5	0	3	10	67	924	2266	1449	388	66	13	0	4	4
16H(6-22)	5977	34	29	5	0	6	13	77	1033	2626	1653	454	77	27	3	4	4
18H(6-24)	6080	34	29	5	0	9	13	80	1059	2675	1660	464	79	29	4	4	4
24H(0-24)	6247	34	29	5	0	10	14	85	1086	2740	1704	484	82	30	4	4	4
AM Peak	08:00 584	04:00 36	04:00 31	01:00 7	- 0	06:00 3	07:00 1	10:00 14	08:00 128	08:00 246	08:00 158	07:00 50	07:00 8	08:00 3	- 0	- 0	07:00 1
PM Peak	17:00 541	19:00 35	19:00 30	22:00 6	- 0	22:00 3	16:00 7	16:00 7	16:00 79	17:00 280	18:00 159	16:00 46	14:00 9	21:00 6	19:00 3	13:00 2	17:00 2

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	7		28		0	0	0	0	3	1	2	1	0	0	0	0	0
01:00	7		27		0	0	0	1	2	1	3	0	0	0	0	0	0
02:00	9		31		0	1	0	0	1	1	4	0	0	2	0	0	0
03:00	2		33		0	0	0	0	0	0	2	0	0	0	0	0	0
04:00	2		33		0	0	0	0	0	0	2	0	0	0	0	0	0
05:00	31	30	28	1	0	0	0	0	1	25	3	2	0	0	0	0	0
06:00	82	32	28	4	0	0	0	2	11	48	19	2	0	0	0	0	0
07:00	248	32	27	5	0	0	0	2	78	109	46	9	1	3	0	0	0
08:00	314	32	28	4	0	0	3	0	46	189	65	8	0	3	0	0	0
09:00	199	32	27	5	0	0	0	1	59	94	41	1	3	0	0	0	0
10:00	206	30	27	3	0	0	0	9	48	123	23	2	1	0	0	0	0
11:00	151	30	27	3	0	0	0	2	44	82	20	2	1	0	0	0	0
12:00	153	33	27	5	0	0	1	2	52	53	39	3	2	1	0	0	0
13:00	184	30	26	4	0	0	0	1	74	89	19	1	0	0	0	0	0
14:00	162	32	27	5	0	0	0	2	45	73	40	2	0	0	0	0	0
15:00	239	31	27	4	0	0	0	3	74	119	42	1	0	0	0	0	0
16:00	305	33	28	4	0	0	0	3	42	170	82	8	0	0	0	0	0
17:00	341	33	29	5	0	0	0	0	52	172	97	16	3	1	0	0	0
18:00	240	33	28	5	0	0	0	3	52	111	61	12	1	0	0	0	0
19:00	174	33	29	4	0	0	0	2	18	112	24	15	0	1	2	0	0
20:00	77	30	28	2	0	0	0	0	13	57	3	1	0	3	0	0	0
21:00	48	33	28	4	0	0	0	0	13	23	7	3	0	2	0	0	0
22:00	42	34	28	7	0	2	0	1	10	20	2	3	2	2	0	0	0
23:00	18	39	35	4	0	0	0	0	2	1	2	13	0	0	0	0	0
Total																	
12H(7-19)	2742	32	28	5	0	0	4	28	666	1384	575	65	12	8	0	0	0
16H(6-22)	3123	32	28	5	0	0	4	32	721	1624	628	86	12	14	2	0	0
18H(6-24)	3183	32	28	5	0	2	4	33	733	1645	632	102	14	16	2	0	0
24H(0-24)	3241	32	28	5	0	3	4	34	740	1673	648	105	14	18	2	0	0
AM Peak	08:00	07:00	04:00	07:00	-	02:00	08:00	10:00	07:00	08:00	08:00	07:00	09:00	08:00	-	-	-
	314	32	33	5	0	1	3	9	78	189	65	9	3	3	0	0	0
PM Peak	17:00	23:00	23:00	22:00	-	22:00	12:00	18:00	15:00	17:00	17:00	17:00	17:00	20:00	19:00	-	-
	341	39	35	7	0	2	1	3	74	172	97	16	3	3	2	0	0

Site No. 578101

Site Ref. 578101

Site 1

Speed Report (Speed Limit 30 Mph)

01 Apr 2022

Channel: Southbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	10	34	29	5	0	0	0	1	1	4	2	2	0	0	0	0	0
01:00	3		42		0	0	0	0	0	0	1	0	0	2	0	0	0
02:00	3		27		0	0	0	0	1	1	1	0	0	0	0	0	0
03:00	3		34		0	0	0	0	0	1	1	0	1	0	0	0	0
04:00	19	34	31	3	0	0	0	0	3	1	13	2	0	0	0	0	0
05:00	44	38	32	6	0	1	0	0	2	13	16	9	1	2	0	0	0
06:00	180	35	30	5	0	2	0	1	24	79	47	20	3	3	1	0	0
07:00	238	35	30	5	0	0	0	0	28	94	82	26	3	3	2	0	0
08:00	300	35	30	5	0	0	0	2	43	133	85	22	11	1	0	3	0
09:00	206	34	28	5	0	0	0	12	42	77	57	12	3	3	0	0	0
10:00	160	34	29	4	0	0	0	1	15	80	53	9	2	0	0	0	0
11:00	222	33	28	5	0	1	0	1	38	118	49	13	2	0	0	0	0
12:00	169	34	28	5	0	0	2	2	37	70	43	12	3	0	0	0	0
13:00	168	36	30	6	0	0	0	3	19	71	42	27	3	3	0	0	0
14:00	246	34	29	5	0	3	0	2	35	130	49	24	1	2	0	0	0
15:00	214	34	29	5	0	0	0	2	38	85	67	20	1	1	0	0	0
16:00	209	35	30	4	0	0	0	1	33	52	98	21	2	2	0	0	0
17:00	281	35	30	5	0	3	0	0	26	151	64	28	2	3	3	1	0
18:00	224	34	29	5	0	1	2	0	22	119	52	26	2	0	0	0	0
19:00	132	35	30	5	0	0	1	1	12	68	30	17	1	2	0	0	0
20:00	79	33	29	4	0	0	0	1	10	37	27	2	2	0	0	0	0
21:00	50	35	31	4	0	0	0	0	1	29	12	2	3	3	0	0	0
22:00	21	37	31	5	0	0	0	0	2	12	2	3	0	0	2	0	0
23:00	9		35		0	0	0	0	0	2	1	6	0	0	0	0	0
Total																	
12H(7-19)	2637	34	29	5	0	8	4	26	376	1180	741	240	35	18	5	4	0
16H(6-22)	3078	35	29	5	0	10	5	29	423	1393	857	281	44	26	6	4	0
18H(6-24)	3108	35	29	5	0	10	5	29	425	1407	860	290	44	26	8	4	0
24H(0-24)	3190	35	29	5	0	11	5	30	432	1427	894	303	46	30	8	4	0
AM Peak	08:00 300	05:00 38	01:00 42	05:00 6	- 0	06:00 2	- 0	09:00 12	08:00 43	08:00 133	08:00 85	07:00 26	08:00 11	09:00 3	07:00 2	08:00 3	- 0
PM Peak	17:00 281	22:00 37	23:00 35	13:00 6	- 0	17:00 3	18:00 2	13:00 3	15:00 38	17:00 151	16:00 98	17:00 28	21:00 3	21:00 3	17:00 3	17:00 1	- 0

Site No. 578101

Site Ref. 578101

Site 1

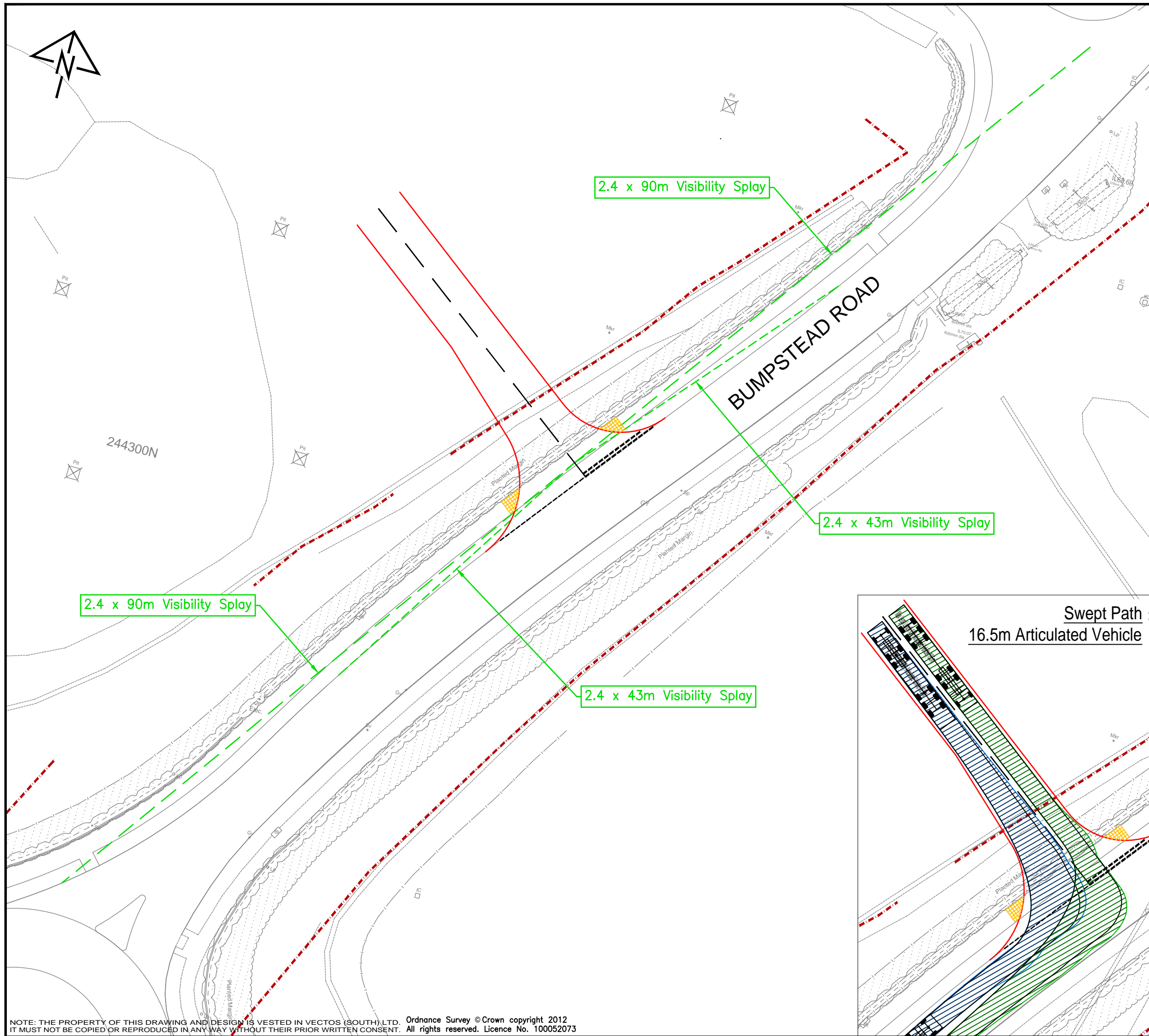
Speed Report (Speed Limit 30 Mph)

01 Apr 2022

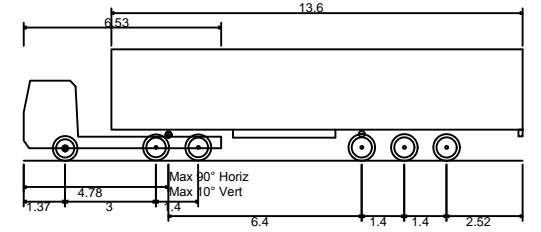
Channel: Total Flow

	Total Volume	85th Percentile	Mean Average	Standard Deviation	Bin 1 <5Mph	Bin 2 5-<10	Bin 3 10-<15	Bin 4 15-<20	Bin 5 20-<25	Bin 6 25-<30	Bin 7 30-<35	Bin 8 35-<40	Bin 9 40-<45	Bin 10 45-<50	Bin 11 50-<55	Bin 12 55-<60	Bin 13 =>60
00:00	17	34	29	6	0	0	0	1	4	5	4	3	0	0	0	0	0
01:00	10	34	32	3	0	0	0	1	2	1	4	0	0	2	0	0	0
02:00	12	34	30	4	0	1	0	0	2	2	5	0	0	2	0	0	0
03:00	5		34		0	0	0	0	0	1	3	0	1	0	0	0	0
04:00	21	34	31	3	0	0	0	0	3	1	15	2	0	0	0	0	0
05:00	75	36	31	5	0	1	0	0	3	38	19	11	1	2	0	0	0
06:00	262	34	29	5	0	2	0	3	35	127	66	22	3	3	1	0	0
07:00	486	34	29	5	0	0	0	2	106	203	128	35	4	6	2	0	0
08:00	614	34	29	5	0	0	3	2	89	322	150	30	11	4	0	3	0
09:00	405	33	28	5	0	0	0	13	101	171	98	13	6	3	0	0	0
10:00	366	32	28	4	0	0	0	10	63	203	76	11	3	0	0	0	0
11:00	373	32	28	4	0	1	0	3	82	200	69	15	3	0	0	0	0
12:00	322	33	28	5	0	0	3	4	89	123	82	15	5	1	0	0	0
13:00	352	33	28	5	0	0	0	4	93	160	61	28	3	3	0	0	0
14:00	408	33	28	5	0	3	0	4	80	203	89	26	1	2	0	0	0
15:00	453	33	28	5	0	0	0	5	112	204	109	21	1	1	0	0	0
16:00	514	34	29	5	0	0	0	4	75	222	180	29	2	2	0	0	0
17:00	622	34	29	5	0	3	0	0	78	323	161	44	5	4	3	1	0
18:00	464	34	29	5	0	1	2	3	74	230	113	38	3	0	0	0	0
19:00	306	34	29	5	0	0	1	3	30	180	54	32	1	3	2	0	0
20:00	156	32	28	4	0	0	0	1	23	94	30	3	2	3	0	0	0
21:00	98	34	30	5	0	0	0	0	14	52	19	5	3	5	0	0	0
22:00	63	36	29	7	0	2	0	1	12	32	4	6	2	2	2	0	0
23:00	27	39	35	4	0	0	0	0	2	3	3	19	0	0	0	0	0
Total																	
12H(7-19)	5379	34	28	5	0	8	8	54	1042	2564	1316	305	47	26	5	4	0
16H(6-22)	6201	34	29	5	0	10	9	61	1144	3017	1485	367	56	40	8	4	0
18H(6-24)	6291	34	29	5	0	12	9	62	1158	3052	1492	392	58	42	10	4	0
24H(0-24)	6431	34	29	5	0	14	9	64	1172	3100	1542	408	60	48	10	4	0
AM Peak	08:00 614	05:00 36	03:00 34	00:00 6	- 0	06:00 2	08:00 3	09:00 13	07:00 106	08:00 322	08:00 150	07:00 35	08:00 11	07:00 6	07:00 2	08:00 3	- 0
PM Peak	17:00 622	23:00 39	23:00 35	22:00 7	- 0	17:00 3	12:00 3	15:00 5	15:00 112	17:00 323	16:00 180	17:00 44	17:00 5	21:00 5	17:00 3	17:00 1	- 0

APPENDIX F



- Notes:**
1. This is not a construction drawing and is intended for illustrative purposes only.
 2. White lining is indicative only.
 3. Background & Access location from 12070_260-B-Site Access Constraints-A by BMP.



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

REV.	DETAILS	DRAWN	CHECKED	DATE

CLIENT:
Hammond Rutts Investments Limited

PROJECT:
Iceni Way Haverhill

DRAWING TITLE:
Site Access NW2 from Bumpstead Road

SCALES:
1:500 at A3

DRAWN: JM CHECKED: PW DATE: 09/11/2015



Network Building, 97 Tottenham Court Road, London W1T 4TP
t: 020 7580 7373 e: enquiries@vectos.co.uk

DRAWING NUMBER: **151707/A/08** REVISION: .

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