

Penrhyn Road, Knowsley

Transport Note: Further Information for Highway Authority

Knowsley Redevelopments Ltd

REPORT DETAILS

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1. INTRODUCTION

- 1.1.1 The local highway authority (LHA), Knowsley Council (KC), has provided a consultation response in relation to the planning application (App Ref: 22/00099/FUL). This Transport Note (TN) provides further information to alleviate the concerns raised by the LHA.
- 1.1.2 The planning application included a Transport Assessment and Travel Plan (TA / TP) against which the LHA provided its comments. Where applicable, relevant sections of these reports have been referred to in this response.
- 1.1.3 For ease, the TN has been set out with the specific LHA comments shown in **navy boxes** with the Apex further information provided below. These comments have been grouped by topic, broadly as set out by the LHA.

2. SITE ACCESS

Visibility splays of 2.4m x 55m have been provided at the site access. This visibility splay is based on measured 85th%ile speeds along the site frontage (35.5mph). The raw speed survey data will need to be provided as it has not yet been included.

- 2.1.1 The speed survey information has been included in Appendix A.

It should be noted that the visibility splays on Drawing No. 21065-BGL-xx-xx-SK-S-0003 P4 are drawn incorrectly. Visibility splays need to be drawn to connect to the kerb line. From the plan, none of the splays drawn connect to the kerb line, with them either being drawn into the carriageway or footway. Confirmation of boundary treatments will also need to be confirmed as some of the splays appear to cross these treatments. Any boundary above a height of 0.6m, with which a visibility splay crosses, can be counted as an obstruction.

- 2.1.2 The access drawings and visibility splays have been reproduced to connect to the nearside kerb. The revised drawing is contained within Appendix B. No obstructions will be placed within the splays above a height of 0.6m and the significant majority of the splays are contained within the footway.

3. VEHICLE SWEEP PATHS AND SITE LAYOUT

It is acknowledged that the 6.0m aisle width provided is a standard minimum. A 5.0m length car swept path will not be requested as a result. However, additional space is available for use within the verge along the site boundary. It is recommended that the aisle width be increased (slightly) to allow for ease of access for larger vehicles. This would benefit any future tenants and their staff.

- 3.1.1 We agree that a 6.0m aisle width is appropriate. However, considering the comments made by the LHA, the aisle has been widened to 6.25m which will further assist with vehicle manoeuvring within the staff and visitor car park. The revised site layout is provided in Appendix C.

A 16.5m length HGV has been tracked. The area highlighted below at the barrier does appear to be particularly tight. Could some additional carriageway space be provided to improve access for large vehicles.

- 3.1.2 This has been reviewed and the arrangements amended within the vicinity of the barrier to provide additional width and a larger radii to ease vehicle movements at this point. The Gatehouse and car parking has been moved c.1.5m to the south to accommodate this, which can be seen on the revised site layout in Appendix C. Swept path analysis has been undertaken to demonstrate two articulated

vehicles can pass in this location and this is provided in Appendix D. As such, the revised layout is considered appropriate and safe.

4. PARKING

The site in total equates to 18,554sqm

The application proposes E(g)iii, B2 and B8 use. All applications are considered on a robust basis, and as such B2 parking standards should be adhered to:

B2 – 1 space per 45 sqm = 412 car parking spaces

B8 – 1 space per 100sqm = 185 car parking spaces

The Transport Assessment acknowledges these standards and two possible outcomes for the site in terms of parking provision have been stated:

1) A B8 occupier for the site

For a B8 occupier, the parking spaces at the front of the site would be provided (132) along with the 15 parking spaces along the main access route. It is also stated that 46 HGV spaces would be available to the rear. The 147-space provision would equate to circa 80% of the maximum standards for B8 which is considered acceptable

4.1.1 This is agreed and no further analysis of B8 standards has therefore been undertaken.

2) A B2 occupier

For a B2 occupier, it is stated that the large amount of HGV parking to the rear would likely not be required, and additional light vehicle parking could be provided in this space. This would equate to an additional 85 parking spaces and a total provision of 232. This 232-parking space provision would only account for 56% of the maximum standard. Highways do not consider this quantum of parking acceptable.

4.1.2 The revised site layout in Appendix C has considered the additional car parking which could be provided on the site, if it were occupied for B2 use. This provides 262 spaces, which is a provision of 1 space per 71 sqm. This is a total of 64% of the maximum provision on the site. This is an increase of 32 spaces over and above that shown on the submitted plan and considered in the TA.

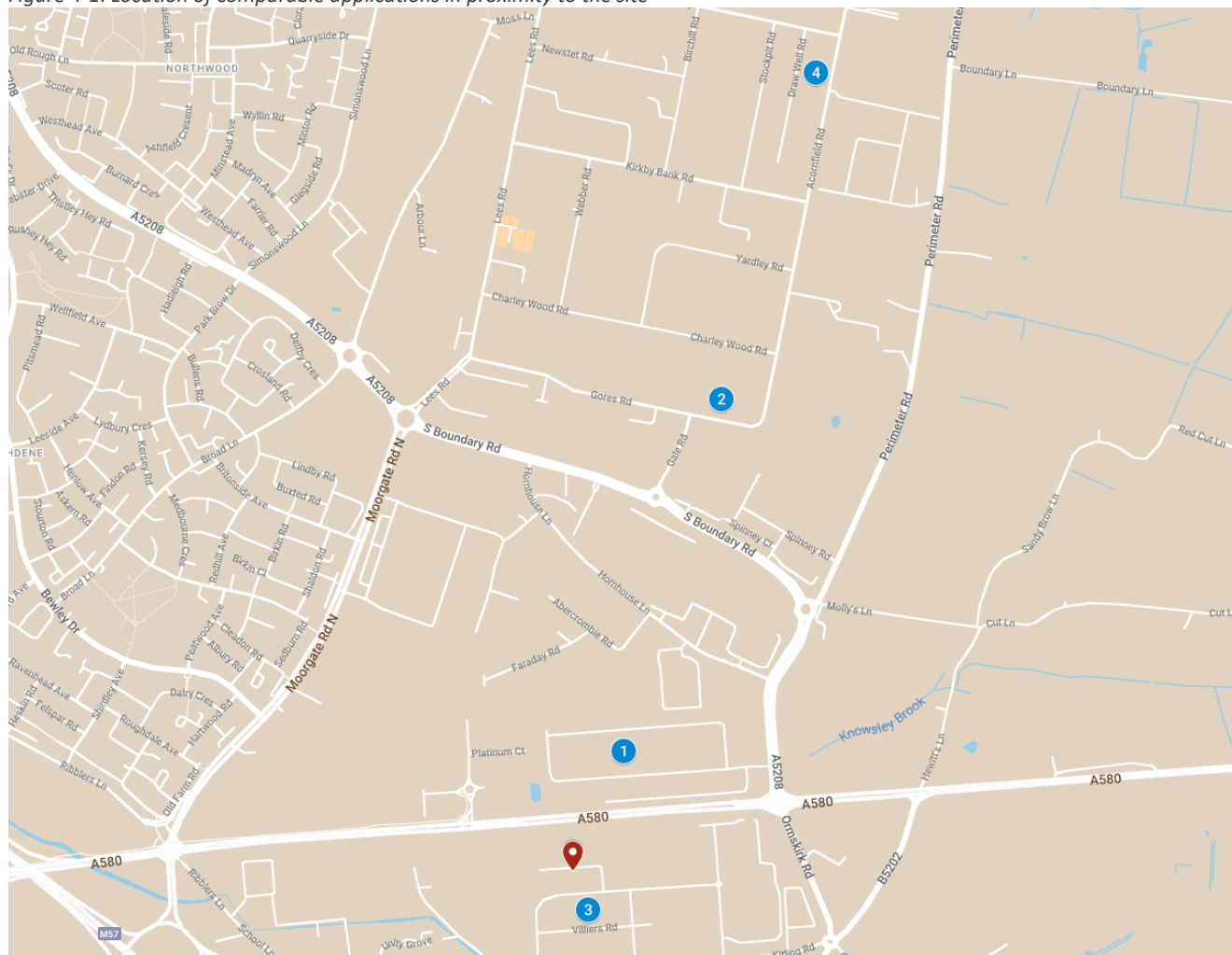
4.1.3 As set out in paragraph 4.4.6 of the TA, this proposed level of parking is in excess of the existing site use which had 93 car parking spaces for an industrial / office use with a floorspace of 7,583 sqm. This equates to one space per 82 sqm. Applied to the proposed use this would equate to 226 spaces. The potential B2 use can provide parking significantly in excess of this level and as such a provision of 262 spaces should be considered appropriate on this site, as an improvement on existing levels.

4.1.4 In addition to the existing use, a review of comparable B2 or flexible B2 / B8 applications has been undertaken for applications within the vicinity of the site. A summary of comparable applications is set out in Table 4-1 and the location of these sites is shown in Figure 4-1.

Table 4-1: Comparable Planning Applications

No.	Ref.	Site Name	Use	GFA (sqm)	Parking Spaces	Parking per sqm
1	19/00004/FUL	Titan extension Knowsley	B2	6503	77	84
2	17/00278/FUL	Proposed industrial unit, Gores Road	B2	5572	60	93
3	22/00163/FUL	Land Between Villiers Road & Penrhyn Road, Knowsley	E / B2 / B8 Use	9941	103	97
4	20/00688/FUL	Land Bounded by Acornfield Road, Draw Well Road and Ashcroft Road Knowsley	B2 / B8	12506.34	201	62

Figure 4-1: Location of comparable applications in proximity to the site



Source: Google Maps

Numbers comparable with Table 4-1

4.1.5 The comparable applications show that a similar or lower level of car parking has been accepted at other sites within the vicinity which have comparable vehicular access and sustainable connectivity and have been judged against the current KC parking standards. As such, the level of parking on the site is appropriate for the requirements of a B2 operator, in accordance with the requirements for other applicants, and within the maximum standards in KC.

4.1.6 In addition, the site is promoting sustainable travel through the Travel Plan. This will encourage the use of more sustainable alternative modes to the car and minimise the demand for car parking in accordance with KC and National Planning Policies. The LHA have stated that the site is within a reasonable distance of both a frequent bus stop and a signed cycle route. The development also meets

the required scoring for walking. As such it is recognised that the site has a sustainable location which will assist in encouraging travel by non-car modes. On this basis, the provision of car parking at a level below the maximum is considered appropriate to suitably encourage sustainable travel, without resulting in an overspill impact on the surrounding network.

There is no guarantee that the site will be occupied by B8 users. A condition can be included so that the additional parking provision to the rear is provided should a B2 occupier seek to occupy the site.

4.1.7 The applicant is happy to agree to a condition such as this, subject to wording.

However, additional parking will still need to be provided to bring the site closer to the maximum standard, as 56% (for B2) is too low to be considered acceptable.

4.1.8 The parking provision has been increased on the revised site layout plan, which demonstrates a provision of 64% of the maximum, which we would consider acceptable, particularly when compared with surrounding applications for B2 use and the ratio of parking for the existing site use.

Equally, a condition could be applied to limit the proportions of B2 / B8 for the site i.e 60% B8 and 40% B2 perhaps)

4.1.9 Unfortunately, the applicant is unable to accept a condition such as this, as it would not be operationally feasible.

The cycle parking offered is acceptable, with the exact detail for the cycle stores to be conditioned in line with the informative which will be included with my final highway response

4.1.10 This is agreed and acceptable. The cycle parking is shown in the revised site layout plans in Appendix C.

5. TRAVEL PLAN

5.1.1 The LHA have suggested a number of links to include within the Travel Plan which have now been included and submitted separately within a revised and updated document.

5.1.2 All these links have been included within the Travel Information Pack and/or as information to be provided on the Noticeboard.

6. OTHER MATTERS

6.1.1 The LHA have raised points in relation to trip generation, junction modelling, accessibility and accidents. However, no further work was required and as such it is considered that the conclusions of the TA in relation to these matters would remain appropriate.

7. SUMMARY

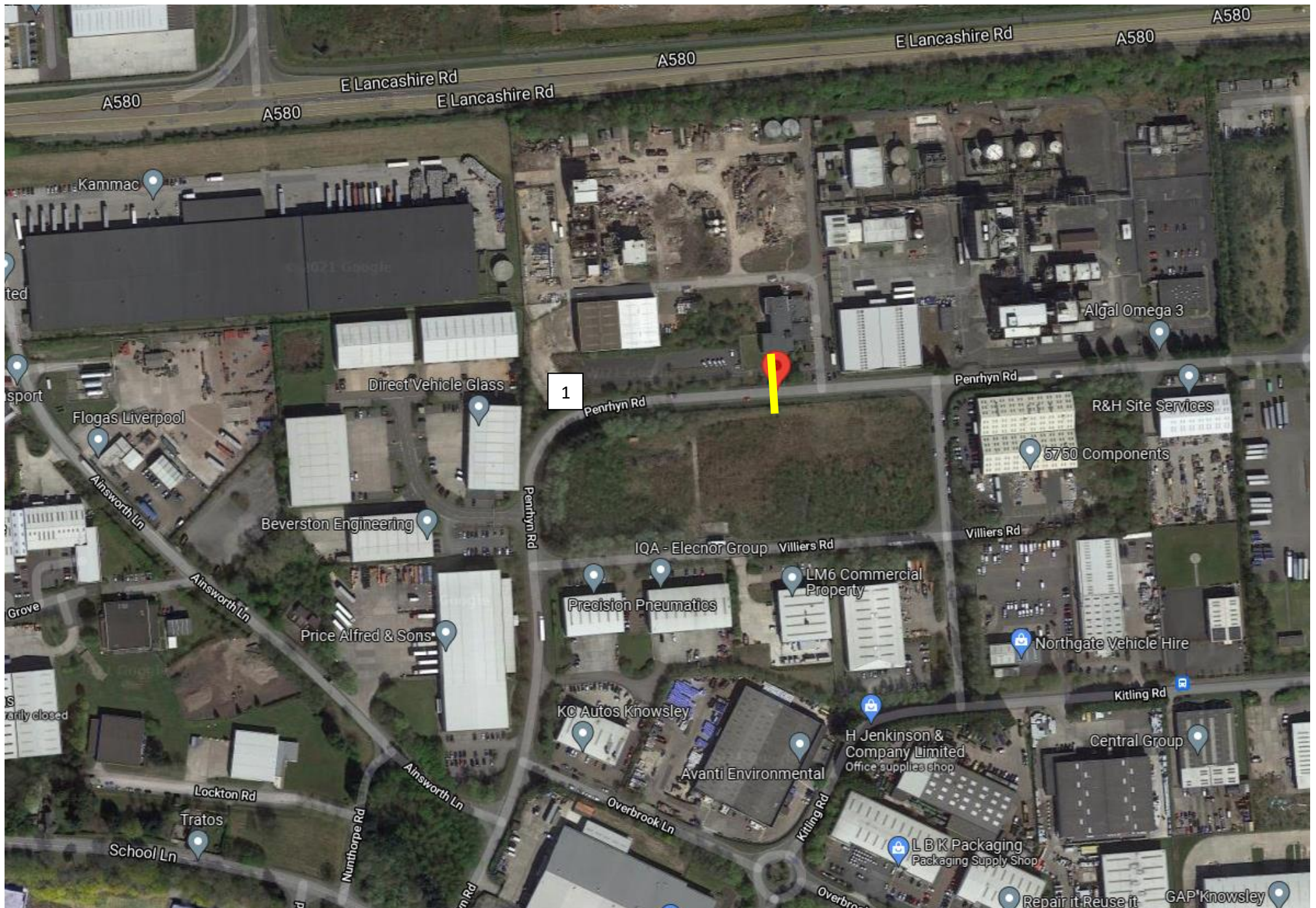
7.1.1 This Transport Note has fully considered the LHA comments and provides further information in response to queries which have been raised.

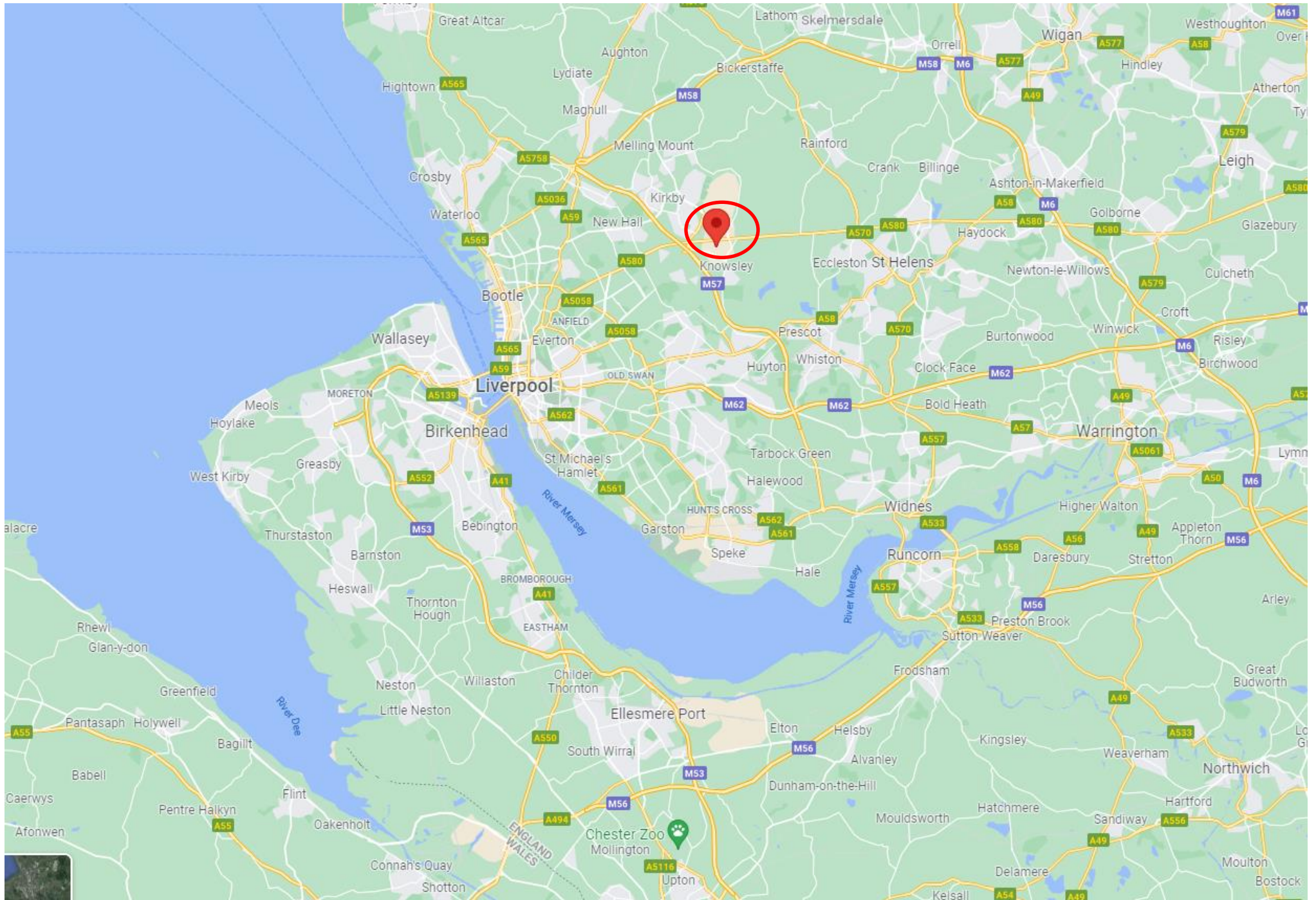
7.1.2 As such, we trust that the planning authority is able to provide a positive recommendation on the application.

Appendix A Speed Survey Data

Site 1 - 53.463389, -2.859556







10901 KNOWSLEY										
NOVEMBER 2021										
Site	Location	Direction	Start Date	End Date	Posted Speed Limit (PSL)	Total Vehicles	5 Day Ave.	7 Day Ave.	Average 85%ile Speed	Average Mean Speed
Site No: 10901001	Penrhyn Rd, Knowsley (att to L/C) 53.463389, -2.859556	Channel: Eastbound	Fri 12-Nov-21	Thu 18-Nov-21	30	938	169	134	35.5	26.3
		Channel: Westbound	Fri 12-Nov-21	Thu 18-Nov-21		1093	194	156	34.2	24.5

10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Fri 12-Nov-21														
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	7	0	7	0	0	0	0	0	0	0	0	0	0	0
07:00	12	0	12	0	0	0	0	0	0	0	0	0	0	0
08:00	25	0	24	1	0	0	0	0	0	0	0	0	0	0
09:00	12	0	10	1	0	0	0	0	0	0	1	0	0	0
10:00	6	0	4	0	0	0	2	0	0	0	0	0	0	0
11:00	13	0	13	0	0	0	0	0	0	0	0	0	0	0
12:00	17	0	13	4	0	0	0	0	0	0	0	0	0	0
13:00	15	0	12	2	0	1	0	0	0	0	0	0	0	0
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17:00	10	0	10	0	0	0	0	0	0	0	0	0	0	0
18:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0
19:00	2	1	0	1	0	0	0	0	0	0	0	0	0	0
20:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0
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12H,7-19	129	0	114	10	0	2	2	0	0	0	1	0	0	0
16H,6-22	139	1	121	12	0	2	2	0	0	0	1	0	0	0
18H,6-24	139	1	121	12	0	2	2	0	0	0	1	0	0	0
24H,0-24	140	1	122	12	0	2	2	0	0	0	1	0	0	0

10901	KNOWSLEY					Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)					
NOVEMBER 2021			Channel: Eastbound												
			CARS OR CAR- BASED	LIGHT GOODS			TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI- TRAILER ARTIC	SIX AXLE MULTI- TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
TIME PERIOD	TOTAL VEHICLES	MOTOR- CYCLES	LGV	VEHICLES	BUSES										
Sat 13-Nov-21															
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02:00	0	0	0	0	0		0	0	0	0	0	0	0	0	0
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12H,7-19	52	1	48	2	0		0	0	0	0	0	0	1	0	0
16H,6-22	56	1	51	2	0		0	0	0	0	0	1	1	0	0
18H,6-24	57	1	52	2	0		0	0	0	0	0	1	1	0	0
24H,0-24	60	1	54	3	0		0	0	0	0	0	1	1	0	0

10901	KNOWSLEY					Site No: 10901001	Location Penrhyn Rd, Knowsley (att to L/C)							
	NOVEMBER 2021					Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
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18H,6-24	33	4	27	1	0	0	0	0	0	0	1	0	0	0
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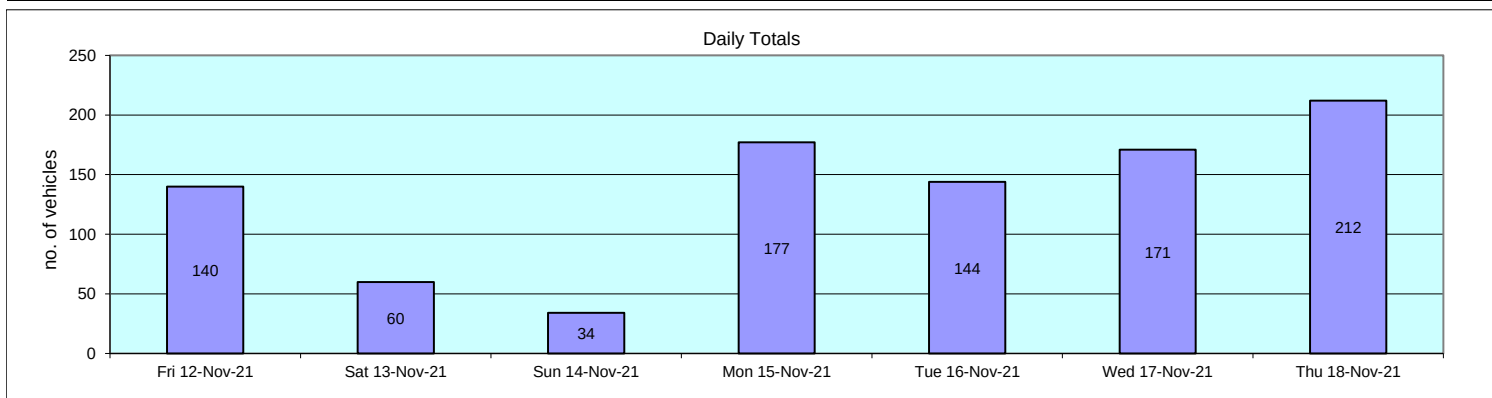
10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Eastbound								
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Mon 15-Nov-21														
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02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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12H,7-19	161	1	136	14	2	0	1	0	4	0	1	2	0	0
16H,6-22	176	1	151	14	2	0	1	0	4	0	1	2	0	0
18H,6-24	176	1	151	14	2	0	1	0	4	0	1	2	0	0
24H,0-24	177	1	152	14	2	0	1	0	4	0	1	2	0	0

10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Tue 16-Nov-21														
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	15	0	9	4	0	0	0	0	1	0	1	0	0	0
09:00	18	0	17	1	0	0	0	0	0	0	0	0	0	0
10:00	8	0	5	1	0	0	0	0	1	0	1	0	0	0
11:00	11	0	11	0	0	0	0	0	0	0	0	0	0	0
12:00	28	0	22	5	1	0	0	0	0	0	0	0	0	0
13:00	9	0	6	2	0	0	0	0	1	0	0	0	0	0
14:00	10	0	5	5	0	0	0	0	0	0	0	0	0	0
15:00	6	0	6	0	0	0	0	0	0	0	0	0	0	0
16:00	10	0	7	3	0	0	0	0	0	0	0	0	0	0
17:00	8	0	8	0	0	0	0	0	0	0	0	0	0	0
18:00	12	0	10	0	0	0	0	0	0	0	2	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	4	0	3	0	0	1	0	0	0	0	0	0	0	0
21:00	4	0	4	0	0	0	0	0	0	0	0	0	0	0
22:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	135	0	106	21	1	0	0	0	3	0	4	0	0	0
16H,6-22	143	0	113	21	1	1	0	0	3	0	4	0	0	0
18H,6-24	144	0	114	21	1	1	0	0	3	0	4	0	0	0
24H,0-24	144	0	114	21	1	1	0	0	3	0	4	0	0	0

10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Wed 17-Nov-21														
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	1	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0
06:00	11	0	11	0	0	0	0	0	0	0	0	0	0	0
07:00	14	0	12	1	0	0	0	0	1	0	0	0	0	0
08:00	13	0	11	2	0	0	0	0	0	0	0	0	0	0
09:00	15	0	10	2	0	0	0	0	2	0	1	0	0	0
10:00	9	0	7	1	0	0	0	0	1	0	0	0	0	0
11:00	19	0	18	0	1	0	0	0	0	0	0	0	0	0
12:00	13	0	11	2	0	0	0	0	0	0	0	0	0	0
13:00	20	0	17	2	1	0	0	0	0	0	0	0	0	0
14:00	9	0	5	4	0	0	0	0	0	0	0	0	0	0
15:00	8	0	4	3	0	0	0	0	0	0	1	0	0	0
16:00	7	0	6	1	0	0	0	0	0	0	0	0	0	0
17:00	15	0	15	0	0	0	0	0	0	0	0	0	0	0
18:00	8	0	8	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	6	0	6	0	0	0	0	0	0	0	0	0	0	0
22:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	150	0	124	18	2	0	0	0	4	0	2	0	0	0
16H,6-22	167	0	141	18	2	0	0	0	4	0	2	0	0	0
18H,6-24	168	0	142	18	2	0	0	0	4	0	2	0	0	0
24H,0-24	171	0	144	18	2	0	0	0	4	0	3	0	0	0

10901	KNOWSLEY					Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)								
	NOVEMBER 2021					Channel: Eastbound										
												FIVE OR LESS AXLE MULTI-TRAILER		SIX AXLE MULTI-TRAILER		SEVEN OR MORE AXLE
	TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	ARTIC	ARTIC	ARTIC	
Thu 18-Nov-21																
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
05:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0		
06:00	10	0	10	0	0	0	0	0	0	0	0	0	0	0		
07:00	21	1	16	2	0	0	0	0	1	0	1	0	0	0		
08:00	15	0	14	1	0	0	0	0	0	0	0	0	0	0		
09:00	18	0	15	2	0	0	0	0	1	0	0	0	0	0		
10:00	18	0	18	0	0	0	0	0	0	0	0	0	0	0		
11:00	12	0	11	1	0	0	0	0	0	0	0	0	0	0		
12:00	17	0	17	0	0	0	0	0	0	0	0	0	0	0		
13:00	18	0	13	2	0	0	0	0	1	0	0	2	0	0		
14:00	22	0	19	3	0	0	0	0	0	0	0	0	0	0		
15:00	18	0	16	2	0	0	0	0	0	0	0	0	0	0		
16:00	8	0	6	1	0	0	0	0	1	0	0	0	0	0		
17:00	16	0	14	2	0	0	0	0	0	0	0	0	0	0		
18:00	12	0	10	2	0	0	0	0	0	0	0	0	0	0		
19:00	3	0	2	1	0	0	0	0	0	0	0	0	0	0		
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0		
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12H,7-19	195	1	169	18	0	0	0	0	4	0	1	2	0	0		
16H,6-22	210	1	182	20	0	0	0	0	4	0	1	2	0	0		
18H,6-24	210	1	182	20	0	0	0	0	4	0	1	2	0	0		
24H,0-24	212	1	184	20	0	0	0	0	4	0	1	2	0	0		

10901		KNOWSLEY				Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)				
NOVEMBER 2021				Channel: Eastbound										
												FIVE OR LESS		SEVEN
				CARS OR				FOUR OR		FOUR OR		SIX OR		OR MORE
				CAR-BASED		LIGHT		MORE		LESS		MORE		AXLE
				LGV		GOODS		AXLE		AXLE		AXLE		MULTI-
				VEHICLES		VEHICLES		RIGID		RIGID		ARTIC		TRAILER
				BUSES		TWO AXLE, SIX TYRE, RIGID/BUSES		THREE AXLE RIGID		FIVE AXLE ARTIC		SIX AXLE MULTI-TRAILER		OR MORE AXLE ARTIC
TIME PERIOD		TOTAL VEHICLES		MOTOR-CYCLES										
Daily Totals														
Fri 12-Nov-21		140		1		122		12		0		2		0
Sat 13-Nov-21		60		1		54		3		0		0		0
Sun 14-Nov-21		34		4		28		1		0		0		0
Mon 15-Nov-21		177		1		152		14		2		0		0
Tue 16-Nov-21		144		0		114		21		1		0		0
Wed 17-Nov-21		171		0		144		18		2		0		0
Thu 18-Nov-21		212		1		184		20		0		0		0
Total Vehicles														
[--]		938		8		798		89		5		3		3



10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)			
	NOVEMBER 2021			Channel: Eastbound							
	TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS
Fri 12-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	0	0	-	0	-	0	-	0	-	0	-
06:00	7	0	0.0	7	100.0	0	0.0	0	0.0	0	0.0
07:00	12	0	0.0	12	100.0	0	0.0	0	0.0	0	0.0
08:00	25	0	0.0	24	96.0	1	4.0	0	0.0	0	0.0
09:00	12	0	0.0	10	83.3	1	8.3	1	8.3	0	0.0
10:00	6	0	0.0	4	66.7	0	0.0	2	33.3	0	0.0
11:00	13	0	0.0	13	100.0	0	0.0	0	0.0	0	0.0
12:00	17	0	0.0	13	76.5	4	23.5	0	0.0	0	0.0
13:00	15	0	0.0	12	80.0	2	13.3	1	6.7	0	0.0
14:00	14	0	0.0	11	78.6	2	14.3	1	7.1	0	0.0
15:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
16:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
17:00	10	0	0.0	10	100.0	0	0.0	0	0.0	0	0.0
18:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
19:00	2	1	50.0	0	0.0	1	50.0	0	0.0	0	0.0
20:00	1	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
21:00	0	0	-	0	-	0	-	0	-	0	-
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	129	0	0.0	114	88.4	10	7.8	5	3.9	0	0.0
16H,6-22	139	1	0.7	121	87.1	12	8.6	5	3.6	0	0.0
18H,6-24	139	1	0.7	121	87.1	12	8.6	5	3.6	0	0.0
24H,0-24	140	1	0.7	122	87.1	12	8.6	5	3.6	0	0.0

10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)			
NOVEMBER 2021			Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sat 13-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	1	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
06:00	3	0	0.0	2	66.7	0	0.0	1	33.3	0	0.0
07:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
08:00	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
09:00	18	0	0.0	18	100.0	0	0.0	0	0.0	0	0.0
10:00	6	0	0.0	4	66.7	1	16.7	1	16.7	0	0.0
11:00	0	0	-	0	-	0	-	0	-	0	-
12:00	4	0	0.0	4	100.0	0	0.0	0	0.0	0	0.0
13:00	7	0	0.0	7	100.0	0	0.0	0	0.0	0	0.0
14:00	6	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0
15:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
16:00	0	0	-	0	-	0	-	0	-	0	-
17:00	4	0	0.0	3	75.0	1	25.0	0	0.0	0	0.0
18:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
19:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	0	0	-	0	-	0	-	0	-	0	-
22:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	52	1	1.9	48	92.3	2	3.9	1	1.9	0	0.0
16H,6-22	56	1	1.8	51	91.1	2	3.6	2	3.6	0	0.0
18H,6-24	57	1	1.8	52	91.2	2	3.5	2	3.5	0	0.0
24H,0-24	60	1	1.7	54	90.0	3	5.0	2	3.3	0	0.0

10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)			
NOVEMBER 2021			Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sun 14-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
06:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
07:00	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
08:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
09:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
10:00	4	1	25.0	2	50.0	1	25.0	0	0.0	0	0.0
11:00	0	0	-	0	-	0	-	0	-	0	-
12:00	7	0	0.0	7	100.0	0	0.0	0	0.0	0	0.0
13:00	3	1	33.3	1	33.3	0	0.0	1	33.3	0	0.0
14:00	6	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0
15:00	2	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0
16:00	0	0	-	0	-	0	-	0	-	0	-
17:00	0	0	-	0	-	0	-	0	-	0	-
18:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
19:00	0	0	-	0	-	0	-	0	-	0	-
20:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
21:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	28	4	14.3	22	78.6	1	3.6	1	3.6	0	0.0
16H,6-22	33	4	12.1	27	81.8	1	3.0	1	3.0	0	0.0
18H,6-24	33	4	12.1	27	81.8	1	3.0	1	3.0	0	0.0
24H,0-24	34	4	11.8	28	82.4	1	2.9	1	2.9	0	0.0

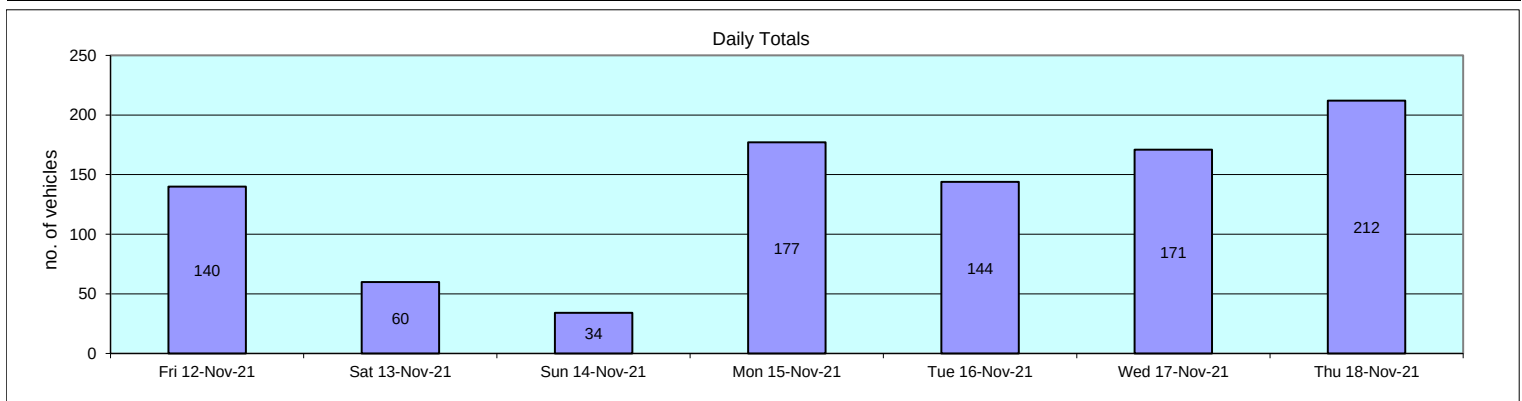
10901	KNOWSLEY				Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)			
	NOVEMBER 2021				Channel: Eastbound							
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %	
Mon 15-Nov-21												
00:00	0	0	-	0	-	0	-	0	-	0	-	
01:00	0	0	-	0	-	0	-	0	-	0	-	
02:00	0	0	-	0	-	0	-	0	-	0	-	
03:00	0	0	-	0	-	0	-	0	-	0	-	
04:00	0	0	-	0	-	0	-	0	-	0	-	
05:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0	
06:00	12	0	0.0	12	100.0	0	0.0	0	0.0	0	0.0	
07:00	26	1	3.9	23	88.5	2	7.7	0	0.0	0	0.0	
08:00	22	0	0.0	19	86.4	3	13.6	0	0.0	0	0.0	
09:00	14	0	0.0	13	92.9	1	7.1	0	0.0	0	0.0	
10:00	12	0	0.0	11	91.7	1	8.3	0	0.0	0	0.0	
11:00	23	0	0.0	18	78.3	3	13.0	2	8.7	0	0.0	
12:00	14	0	0.0	10	71.4	1	7.1	2	14.3	1	7.1	
13:00	12	0	0.0	12	100.0	0	0.0	0	0.0	0	0.0	
14:00	9	0	0.0	7	77.8	0	0.0	2	22.2	0	0.0	
15:00	7	0	0.0	5	71.4	2	28.6	0	0.0	0	0.0	
16:00	5	0	0.0	2	40.0	1	20.0	1	20.0	1	20.0	
17:00	7	0	0.0	6	85.7	0	0.0	1	14.3	0	0.0	
18:00	10	0	0.0	10	100.0	0	0.0	0	0.0	0	0.0	
19:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0	
20:00	0	0	-	0	-	0	-	0	-	0	-	
21:00	0	0	-	0	-	0	-	0	-	0	-	
22:00	0	0	-	0	-	0	-	0	-	0	-	
23:00	0	0	-	0	-	0	-	0	-	0	-	
12H,7-19	161	1	0.6	136	84.5	14	8.7	8	5.0	2	1.2	
16H,6-22	176	1	0.6	151	85.8	14	8.0	8	4.6	2	1.1	
18H,6-24	176	1	0.6	151	85.8	14	8.0	8	4.6	2	1.1	
24H,0-24	177	1	0.6	152	85.9	14	7.9	8	4.5	2	1.1	

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Eastbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Tue 16-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	0	0	-	0	-	0	-	0	-	0	-
06:00	0	0	-	0	-	0	-	0	-	0	-
07:00	0	0	-	0	-	0	-	0	-	0	-
08:00	15	0	0.0	9	60.0	4	26.7	2	13.3	0	0.0
09:00	18	0	0.0	17	94.4	1	5.6	0	0.0	0	0.0
10:00	8	0	0.0	5	62.5	1	12.5	2	25.0	0	0.0
11:00	11	0	0.0	11	100.0	0	0.0	0	0.0	0	0.0
12:00	28	0	0.0	22	78.6	5	17.9	0	0.0	1	3.6
13:00	9	0	0.0	6	66.7	2	22.2	1	11.1	0	0.0
14:00	10	0	0.0	5	50.0	5	50.0	0	0.0	0	0.0
15:00	6	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0
16:00	10	0	0.0	7	70.0	3	30.0	0	0.0	0	0.0
17:00	8	0	0.0	8	100.0	0	0.0	0	0.0	0	0.0
18:00	12	0	0.0	10	83.3	0	0.0	2	16.7	0	0.0
19:00	0	0	-	0	-	0	-	0	-	0	-
20:00	4	0	0.0	3	75.0	0	0.0	1	25.0	0	0.0
21:00	4	0	0.0	4	100.0	0	0.0	0	0.0	0	0.0
22:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	135	0	0.0	106	78.5	21	15.6	7	5.2	1	0.7
16H,6-22	143	0	0.0	113	79.0	21	14.7	8	5.6	1	0.7
18H,6-24	144	0	0.0	114	79.2	21	14.6	8	5.6	1	0.7
24H,0-24	144	0	0.0	114	79.2	21	14.6	8	5.6	1	0.7

10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)			
NOVEMBER 2021			Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Wed 17-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
06:00	11	0	0.0	11	100.0	0	0.0	0	0.0	0	0.0
07:00	14	0	0.0	12	85.7	1	7.1	1	7.1	0	0.0
08:00	13	0	0.0	11	84.6	2	15.4	0	0.0	0	0.0
09:00	15	0	0.0	10	66.7	2	13.3	3	20.0	0	0.0
10:00	9	0	0.0	7	77.8	1	11.1	1	11.1	0	0.0
11:00	19	0	0.0	18	94.7	0	0.0	0	0.0	1	5.3
12:00	13	0	0.0	11	84.6	2	15.4	0	0.0	0	0.0
13:00	20	0	0.0	17	85.0	2	10.0	0	0.0	1	5.0
14:00	9	0	0.0	5	55.6	4	44.4	0	0.0	0	0.0
15:00	8	0	0.0	4	50.0	3	37.5	1	12.5	0	0.0
16:00	7	0	0.0	6	85.7	1	14.3	0	0.0	0	0.0
17:00	15	0	0.0	15	100.0	0	0.0	0	0.0	0	0.0
18:00	8	0	0.0	8	100.0	0	0.0	0	0.0	0	0.0
19:00	0	0	-	0	-	0	-	0	-	0	-
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	6	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0
22:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	150	0	0.0	124	82.7	18	12.0	6	4.0	2	1.3
16H,6-22	167	0	0.0	141	84.4	18	10.8	6	3.6	2	1.2
18H,6-24	168	0	0.0	142	84.5	18	10.7	6	3.6	2	1.2
24H,0-24	171	0	0.0	144	84.2	18	10.5	7	4.1	2	1.2

10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)			
NOVEMBER 2021			Channel: Eastbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Thu 18-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
06:00	10	0	0.0	10	100.0	0	0.0	0	0.0	0	0.0
07:00	21	1	4.8	16	76.2	2	9.5	2	9.5	0	0.0
08:00	15	0	0.0	14	93.3	1	6.7	0	0.0	0	0.0
09:00	18	0	0.0	15	83.3	2	11.1	1	5.6	0	0.0
10:00	18	0	0.0	18	100.0	0	0.0	0	0.0	0	0.0
11:00	12	0	0.0	11	91.7	1	8.3	0	0.0	0	0.0
12:00	17	0	0.0	17	100.0	0	0.0	0	0.0	0	0.0
13:00	18	0	0.0	13	72.2	2	11.1	3	16.7	0	0.0
14:00	22	0	0.0	19	86.4	3	13.6	0	0.0	0	0.0
15:00	18	0	0.0	16	88.9	2	11.1	0	0.0	0	0.0
16:00	8	0	0.0	6	75.0	1	12.5	1	12.5	0	0.0
17:00	16	0	0.0	14	87.5	2	12.5	0	0.0	0	0.0
18:00	12	0	0.0	10	83.3	2	16.7	0	0.0	0	0.0
19:00	3	0	0.0	2	66.7	1	33.3	0	0.0	0	0.0
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	2	0	0.0	1	50.0	1	50.0	0	0.0	0	0.0
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	195	1	0.5	169	86.7	18	9.2	7	3.6	0	0.0
16H,6-22	210	1	0.5	182	86.7	20	9.5	7	3.3	0	0.0
18H,6-24	210	1	0.5	182	86.7	20	9.5	7	3.3	0	0.0
24H,0-24	212	1	0.5	184	86.8	20	9.4	7	3.3	0	0.0

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
	NOVEMBER 2021	Channel: Eastbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Daily Totals											
Fri 12-Nov-21	140	1	0.7	122	87.1	12	8.6	5	3.6	0	0.0
Sat 13-Nov-21	60	1	1.7	54	90.0	3	5.0	2	3.3	0	0.0
Sun 14-Nov-21	34	4	11.8	28	82.4	1	2.9	1	2.9	0	0.0
Mon 15-Nov-21	177	1	0.6	152	85.9	14	7.9	8	4.5	2	1.1
Tue 16-Nov-21	144	0	0.0	114	79.2	21	14.6	8	5.6	1	0.7
Wed 17-Nov-21	171	0	0.0	144	84.2	18	10.5	7	4.1	2	1.2
Thu 18-Nov-21	212	1	0.5	184	86.8	20	9.4	7	3.3	0	0.0
Total Vehicles											
[--]	938	8	2.2	798	85.1	89	8.4	38	3.9	5	0.4



10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Fri 12-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	23.5	-	0	0	0	0	1	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	7	-	36.4	3.1	0	0	0	0	0	0	3	4	0	0	0	0
07:00	12	38.8	33.5	5.4	0	0	0	0	0	5	3	3	1	0	0	0
08:00	25	42.3	32.9	8.9	0	0	0	1	7	3	4	5	3	2	0	0
09:00	12	37.8	28.5	8.4	0	0	0	2	4	2	1	2	1	0	0	0
10:00	6	-	22.7	9.3	0	1	1	0	0	4	0	0	0	0	0	0
11:00	13	29.9	22	6.7	0	0	2	5	3	1	2	0	0	0	0	0
12:00	17	27.6	22.6	5.3	0	0	1	6	6	3	1	0	0	0	0	0
13:00	15	25.1	20.5	6	0	1	1	7	4	1	1	0	0	0	0	0
14:00	14	33.3	25.6	8.6	0	0	2	2	4	2	3	0	1	0	0	0
15:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
16:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
17:00	10	25.3	23	3.2	0	0	0	2	7	1	0	0	0	0	0	0
18:00	3	-	31.8	5.9	0	0	0	0	0	2	0	1	0	0	0	0
19:00	2	-	13.5	1.8	0	0	2	0	0	0	0	0	0	0	0	0
20:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	129	35.7	26.5	8.4	0	2	7	25	35	26	15	11	6	2	0	0
16H,6-22	139	36.6	26.8	8.6	0	2	9	25	35	27	18	15	6	2	0	0
18H,6-24	139	36.6	26.8	8.6	0	2	9	25	35	27	18	15	6	2	0	0
24H,0-24	140	36.5	26.8	8.6	0	2	9	25	36	27	18	15	6	2	0	0

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sat 13-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	2	-	23.5	1.8	0	0	0	0	2	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	38.5	-	0	0	0	0	0	0	0	1	0	0	0	0
06:00	3	-	28.5	10	0	0	0	1	0	1	0	1	0	0	0	0
07:00	2	-	26	3.5	0	0	0	0	1	1	0	0	0	0	0	0
08:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0
09:00	18	25	22.7	8.2	0	0	2	7	6	1	1	0	0	1	0	0
10:00	6	-	25.2	4.3	0	0	0	1	2	3	0	0	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	4	-	22.3	4.9	0	0	0	2	1	1	0	0	0	0	0	0
13:00	7	-	23.5	5.2	0	0	0	2	4	0	1	0	0	0	0	0
14:00	6	-	21	6.3	0	0	0	5	0	0	1	0	0	0	0	0
15:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
16:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
17:00	4	-	19.8	2.8	0	0	0	3	1	0	0	0	0	0	0	0
18:00	3	-	40.2	3.1	0	0	0	0	0	0	0	2	1	0	0	0
19:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	38.5	-	0	0	0	0	0	0	0	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	52	30.6	24.1	7.5	0	0	2	20	15	7	4	2	1	1	0	0
16H,6-22	56	31.1	24.4	7.5	0	0	2	21	15	9	4	3	1	1	0	0
18H,6-24	57	32.2	24.6	7.7	0	0	2	21	15	9	4	4	1	1	0	0
24H,0-24	60	32.9	24.8	7.7	0	0	2	21	17	9	4	5	1	1	0	0

10901		KNOWSLEY			Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)									
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sun 14-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	2	-	31	3.5	0	0	0	0	0	1	1	0	0	0	0	0
07:00	1	-	38.5	-	0	0	0	0	0	0	0	1	0	0	0	0
08:00	2	-	28.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
09:00	1	-	23.5	-	0	0	0	0	1	0	0	0	0	0	0	0
10:00	4	-	21	11.9	0	0	2	1	0	0	0	1	0	0	0	0
11:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12:00	7	-	23.5	4.3	0	0	0	2	3	2	0	0	0	0	0	0
13:00	3	-	25.2	5.9	0	0	0	1	0	2	0	0	0	0	0	0
14:00	6	-	25.2	4.3	0	0	0	1	2	3	0	0	0	0	0	0
15:00	2	-	23.5	1.8	0	0	0	0	2	0	0	0	0	0	0	0
16:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
18:00	2	-	46	3.5	0	0	0	0	0	0	0	0	1	1	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
21:00	2	-	38.5	7.1	0	0	0	0	0	0	1	0	1	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	28	32.5	26.2	8.4	0	0	2	5	9	7	1	2	1	1	0	0
16H,6-22	33	34.9	27.3	8.5	0	0	2	5	9	9	3	2	2	1	0	0
18H,6-24	33	34.9	27.3	8.5	0	0	2	5	9	9	3	2	2	1	0	0
24H,0-24	34	35.3	27.5	8.4	0	0	2	5	9	9	4	2	2	1	0	0

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Mon 15-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	38.5	-	0	0	0	0	0	0	0	1	0	0	0	0
06:00	12	40.3	36.4	4.7	0	0	0	0	0	1	5	4	2	0	0	0
07:00	26	34	25.8	8.4	0	0	6	1	4	7	6	2	0	0	0	0
08:00	22	43.7	33.3	9.7	0	0	0	3	3	3	4	2	6	1	0	0
09:00	14	36.7	27.8	8.4	0	0	1	3	1	4	2	3	0	0	0	0
10:00	12	34.4	26.4	7.9	0	0	1	2	4	0	4	1	0	0	0	0
11:00	23	26.1	20.5	5.6	0	1	3	9	6	4	0	0	0	0	0	0
12:00	14	29	24.2	6.3	0	0	1	3	5	4	0	1	0	0	0	0
13:00	12	29.5	25.2	6.3	0	0	0	3	5	2	1	1	0	0	0	0
14:00	9	-	27.4	9.7	0	0	1	2	0	4	0	1	1	0	0	0
15:00	7	-	27.1	7.5	0	0	0	2	1	2	1	1	0	0	0	0
16:00	5	-	19.5	8.3	0	1	1	0	2	1	0	0	0	0	0	0
17:00	7	-	23.5	7.7	0	0	2	0	2	2	1	0	0	0	0	0
18:00	10	31	23.5	6.8	0	0	1	3	3	1	2	0	0	0	0	0
19:00	3	-	18.5	5	0	0	1	1	1	0	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	161	34.9	25.8	8.5	0	2	17	31	36	34	21	12	7	1	0	0
16H,6-22	176	35.8	26.4	8.7	0	2	18	32	37	35	26	16	9	1	0	0
18H,6-24	176	35.8	26.4	8.7	0	2	18	32	37	35	26	16	9	1	0	0
24H,0-24	177	36	26.5	8.7	0	2	18	32	37	35	26	17	9	1	0	0

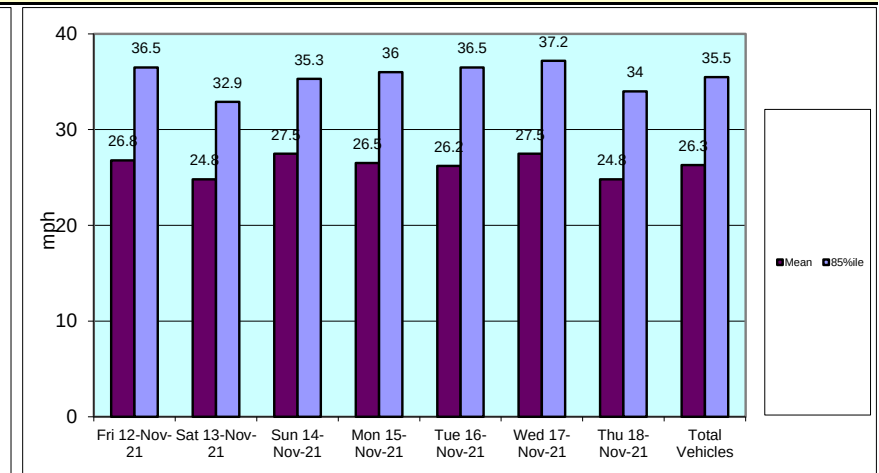
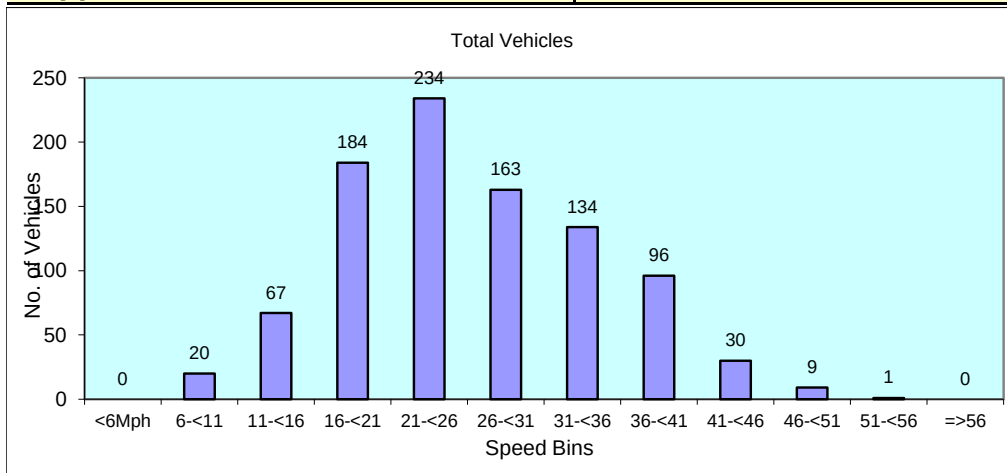
10901		KNOWSLEY			Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)									
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Tue 16-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	15	37.3	29.5	9	0	0	0	2	5	2	3	1	1	1	0	0
09:00	18	35.5	27.1	9.6	0	1	0	4	4	3	3	2	0	1	0	0
10:00	8	-	24.1	6.3	0	0	1	1	3	2	1	0	0	0	0	0
11:00	11	37.4	26.7	10.1	0	1	1	0	4	1	1	3	0	0	0	0
12:00	28	25.3	22.4	6.2	0	0	2	10	13	0	1	2	0	0	0	0
13:00	9	-	30.2	7.6	0	0	0	1	2	2	1	3	0	0	0	0
14:00	10	36	30	6.8	0	0	0	1	2	2	3	2	0	0	0	0
15:00	6	-	27.7	6	0	0	0	1	1	2	2	0	0	0	0	0
16:00	10	36	26	11.7	0	0	0	5	2	1	0	1	0	0	1	0
17:00	8	-	16.6	8.5	0	2	3	1	1	0	1	0	0	0	0	0
18:00	12	29.5	24.3	7.4	0	1	0	1	7	1	1	1	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	4	-	33.5	7.1	0	0	0	0	1	0	1	2	0	0	0	0
21:00	4	-	37.3	2.8	0	0	0	0	0	0	1	3	0	0	0	0
22:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	135	35.5	25.7	8.7	0	5	7	27	44	16	17	15	1	2	1	0
16H,6-22	143	36.5	26.2	8.8	0	5	7	27	45	16	19	20	1	2	1	0
18H,6-24	144	36.5	26.2	8.8	0	5	7	27	45	17	19	20	1	2	1	0
24H,0-24	144	36.5	26.2	8.8	0	5	7	27	45	17	19	20	1	2	1	0

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Wed 17-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	-	36	3.5	0	0	0	0	0	0	1	1	0	0	0	0
06:00	11	40.3	36.7	6.2	0	0	0	0	0	2	3	4	1	1	0	0
07:00	14	37.8	33.1	5.5	0	0	0	1	0	2	7	4	0	0	0	0
08:00	13	39.9	34.7	6.6	0	0	0	0	1	4	1	5	2	0	0	0
09:00	15	37.3	30.2	7.6	0	0	0	0	7	1	4	1	2	0	0	0
10:00	9	-	27.4	7.5	0	0	1	1	1	2	4	0	0	0	0	0
11:00	19	35.4	25.3	8.3	0	1	1	2	9	1	2	3	0	0	0	0
12:00	13	27.4	19.7	8.1	0	1	3	6	0	2	0	1	0	0	0	0
13:00	20	29.6	24.8	5	0	0	0	6	4	9	1	0	0	0	0	0
14:00	9	-	26.3	8.4	0	0	1	1	3	2	0	2	0	0	0	0
15:00	8	-	26	6.1	0	0	0	1	4	2	0	1	0	0	0	0
16:00	7	-	22.8	6.8	0	0	1	2	2	1	1	0	0	0	0	0
17:00	15	31.6	22.8	8.7	0	2	1	2	6	1	2	1	0	0	0	0
18:00	8	-	25.4	10.7	0	0	1	3	1	1	0	1	1	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	6	-	30.2	7.6	0	0	0	0	2	2	1	0	1	0	0	0
22:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	150	36.3	26.6	8.4	0	4	9	25	38	28	22	19	5	0	0	0
16H,6-22	167	37.2	27.4	8.6	0	4	9	25	40	32	26	23	7	1	0	0
18H,6-24	168	37.2	27.4	8.5	0	4	9	25	40	33	26	23	7	1	0	0
24H,0-24	171	37.2	27.5	8.5	0	4	9	25	40	34	27	24	7	1	0	0

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Eastbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Thu 18-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	-	36	10.6	0	0	0	0	0	1	0	0	1	0	0	0
06:00	10	36	33	4	0	0	0	0	0	3	5	2	0	0	0	0
07:00	21	35.6	30.4	6.9	0	0	1	1	2	6	8	2	1	0	0	0
08:00	15	40.1	32.2	9.4	0	0	1	1	1	4	2	4	1	1	0	0
09:00	18	32	25.2	7.2	0	1	1	2	5	5	4	0	0	0	0	0
10:00	18	30.7	21.6	7	0	1	2	6	6	0	3	0	0	0	0	0
11:00	12	24.4	20.6	5.6	0	0	2	5	4	0	1	0	0	0	0	0
12:00	17	20.9	17.6	6.3	0	3	2	9	2	0	1	0	0	0	0	0
13:00	18	33.3	26.6	6.6	0	0	0	2	10	1	4	0	1	0	0	0
14:00	22	31.5	25.3	6.8	0	0	1	5	7	5	2	2	0	0	0	0
15:00	18	28	20.4	6.8	0	0	5	7	2	2	2	0	0	0	0	0
16:00	8	-	22.9	7.4	0	0	1	3	2	0	2	0	0	0	0	0
17:00	16	26.2	21	5.4	0	0	3	5	5	3	0	0	0	0	0	0
18:00	12	35.3	24.3	9.3	0	1	1	2	4	1	1	2	0	0	0	0
19:00	3	-	21.8	15.3	0	1	0	1	0	0	0	1	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	2	-	31	3.5	0	0	0	0	0	1	1	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	195	33.4	24.2	8.1	0	6	20	48	50	27	30	10	3	1	0	0
16H,6-22	210	33.9	24.7	8.2	0	7	20	49	50	31	36	13	3	1	0	0
18H,6-24	210	33.9	24.7	8.2	0	7	20	49	50	31	36	13	3	1	0	0
24H,0-24	212	34	24.8	8.3	0	7	20	49	50	32	36	13	4	1	0	0

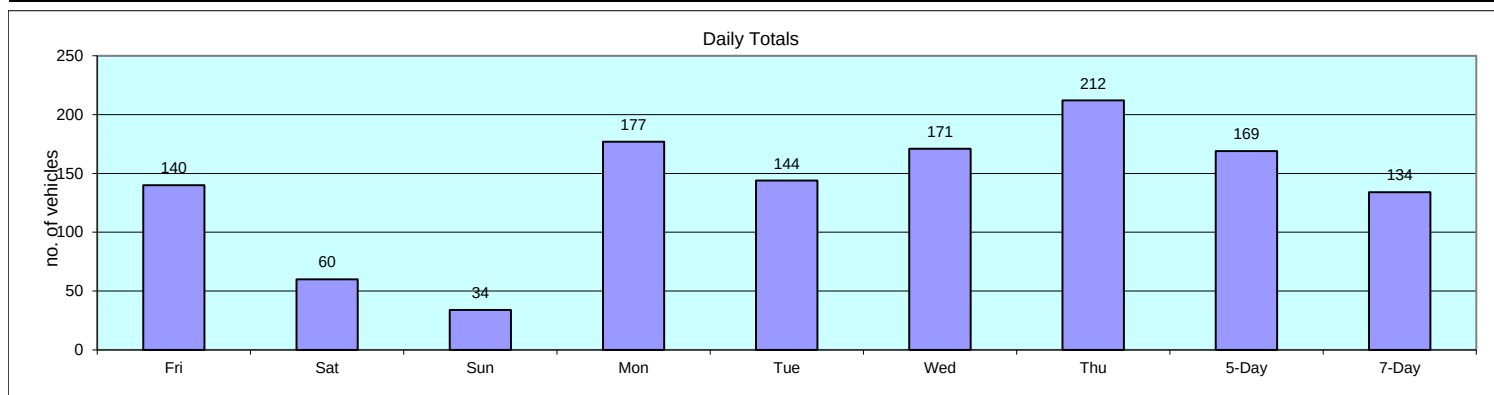
10901 KNOWSLEY Site No: 10901001 Location Penrhyn Rd, Knowsley (att to L/C)
 NOVEMBER 2021 Channel: Eastbound

Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Daily Totals																
Fri 12-Nov-21	140	36.5	26.8	8.6	0	2	9	25	36	27	18	15	6	2	0	0
Sat 13-Nov-21	60	32.9	24.8	7.7	0	0	2	21	17	9	4	5	1	1	0	0
Sun 14-Nov-21	34	35.3	27.5	8.4	0	0	2	5	9	9	4	2	2	1	0	0
Mon 15-Nov-21	177	36	26.5	8.7	0	2	18	32	37	35	26	17	9	1	0	0
Tue 16-Nov-21	144	36.5	26.2	8.8	0	5	7	27	45	17	19	20	1	2	1	0
Wed 17-Nov-21	171	37.2	27.5	8.5	0	4	9	25	40	34	27	24	7	1	0	0
Thu 18-Nov-21	212	34	24.8	8.3	0	7	20	49	50	32	36	13	4	1	0	0
Total Vehicles																
[--]	938	35.5	26.3	8.4	0	20	67	184	234	163	134	96	30	9	1	0



10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)	
NOVEMBER 2021			Channel: Eastbound						
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	5-Day	7-Day
TIME PERIOD	12/11/2021	13/11/2021	14/11/2021	15/11/2021	16/11/2021	17/11/2021	18/11/2021	Av	Av
Week Begin: 12-Nov-21									
00:00	0	0	0	0	0	0	0	0	0
01:00	0	2	0	0	0	0	0	0	0
02:00	1	0	0	0	0	1	0	0	0
03:00	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0
05:00	0	1	1	1	0	2	2	1	1
06:00	7	3	2	12	0	11	10	8	6
07:00	12	2	1	26	0	14	21	15	11
08:00	25	1	2	22	15	13	15	18	13
09:00	12	18	1	14	18	15	18	15	14
10:00	6	6	4	12	8	9	18	11	9
11:00	13	0	0	23	11	19	12	16	11
12:00	17	4	7	14	28	13	17	18	14
13:00	15	7	3	12	9	20	18	15	12
14:00	14	6	6	9	10	9	22	13	11
15:00	1	1	2	7	6	8	18	8	6
16:00	1	0	0	5	10	7	8	6	4
17:00	10	4	0	7	8	15	16	11	9
18:00	3	3	2	10	12	8	12	9	7
19:00	2	1	0	3	0	0	3	2	1
20:00	1	0	1	0	4	0	0	1	1
21:00	0	0	2	0	4	6	2	2	2
22:00	0	1	0	0	1	1	0	0	0
23:00	0	0	0	0	0	0	0	0	0
12H,7-19	129	52	28	161	135	150	195	154	121
16H,6-22	139	56	33	176	143	167	210	167	132
18H,6-24	139	57	33	176	144	168	210	167	132
24H,0-24	140	60	34	177	144	171	212	169	134
Am	08:00	09:00	10:00	07:00	09:00	11:00	07:00		
Peak	25	18	4	26	18	19	21		
Pm	12:00	13:00	12:00	12:00	12:00	13:00	14:00		
Peak	17	7	7	14	28	20	22		

10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)	
	NOVEMBER 2021			Channel: Eastbound					
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	5-Day	7-Day
TIME PERIOD	12/11/2021	13/11/2021	14/11/2021	15/11/2021	16/11/2021	17/11/2021	18/11/2021	Av	Av



10901	KNOWSLEY				Site No: 10901001				Location Penrhyn Rd, Knowsley (att to L/C)					
	NOVEMBER 2021				Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/ BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Fri 12-Nov-21														
00:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
06:00	7	0	6	0	0	0	0	0	0	0	0	1	0	0
07:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
08:00	15	0	14	1	0	0	0	0	0	0	0	0	0	0
09:00	11	0	10	0	0	0	0	0	0	0	1	0	0	0
10:00	12	0	11	1	0	0	0	0	0	0	0	0	0	0
11:00	10	0	8	1	0	0	1	0	0	0	0	0	0	0
12:00	22	0	22	0	0	0	0	0	0	0	0	0	0	0
13:00	14	0	13	1	0	0	0	0	0	0	0	0	0	0
14:00	14	0	11	2	0	1	0	0	0	0	0	0	0	0
15:00	25	0	25	0	0	0	0	0	0	0	0	0	0	0
16:00	12	1	11	0	0	0	0	0	0	0	0	0	0	0
17:00	4	0	4	0	0	0	0	0	0	0	0	0	0	0
18:00	10	0	10	0	0	0	0	0	0	0	0	0	0	0
19:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
20:00	1	0	0	1	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	150	1	140	6	0	1	1	0	0	0	1	0	0	0
16H,6-22	159	1	147	7	0	1	1	0	0	0	1	1	0	0
18H,6-24	159	1	147	7	0	1	1	0	0	0	1	1	0	0
24H,0-24	161	1	149	7	0	1	1	0	0	0	1	1	0	0

10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Westbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Sat 13-Nov-21														
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	2	0	1	0	0	0	0	0	0	0	0	1	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
06:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
07:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0
08:00	6	0	6	0	0	0	0	0	0	0	0	0	0	0
09:00	5	0	5	0	0	0	0	0	0	0	0	0	0	0
10:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0
11:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0
12:00	16	0	15	1	0	0	0	0	0	0	0	0	0	0
13:00	27	0	26	0	1	0	0	0	0	0	0	0	0	0
14:00	9	1	8	0	0	0	0	0	0	0	0	0	0	0
15:00	3	0	2	0	1	0	0	0	0	0	0	0	0	0
16:00	4	0	3	0	0	0	1	0	0	0	0	0	0	0
17:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0
18:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0
19:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	83	1	78	1	2	0	1	0	0	0	0	0	0	0
16H,6-22	86	1	81	1	2	0	1	0	0	0	0	0	0	0
18H,6-24	87	1	82	1	2	0	1	0	0	0	0	0	0	0
24H,0-24	90	1	84	1	2	0	1	0	0	0	0	1	0	0

10901		KNOWSLEY				Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)					
NOVEMBER 2021				Channel: Westbound											
			CARS OR CAR-BASED	LIGHT GOODS		TWO AXLE, SIX TYRE,	THREE AXLE	FOUR OR MORE	FOUR OR LESS		SIX OR MORE	FIVE OR LESS	SIX AXLE	SEVEN OR	
TIME PERIOD	TOTAL VEHICLES	MOTOR- CYCLES	LGV	VEHICLES	BUSES	RIGID/BUSES	RIGID	AXLE RIGID	AXLE ARTIC	FIVE AXLE ARTIC	AXLE ARTIC	AXLE ARTIC	TRAILER ARTIC	TRAILER ARTIC	AXLE ARTIC
Sun 14-Nov-21															
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
06:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
10:00	3	1	1	0	0	0	0	0	1	0	0	0	0	0	0
11:00	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0
12:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
13:00	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0
14:00	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0
15:00	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0
16:00	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	31	3	26	0	0	0	0	0	1	0	0	1	0	0	0
16H,6-22	34	3	29	0	0	0	0	0	1	0	0	1	0	0	0
18H,6-24	34	3	29	0	0	0	0	0	1	0	0	1	0	0	0
24H,0-24	35	3	30	0	0	0	0	0	1	0	0	1	0	0	0

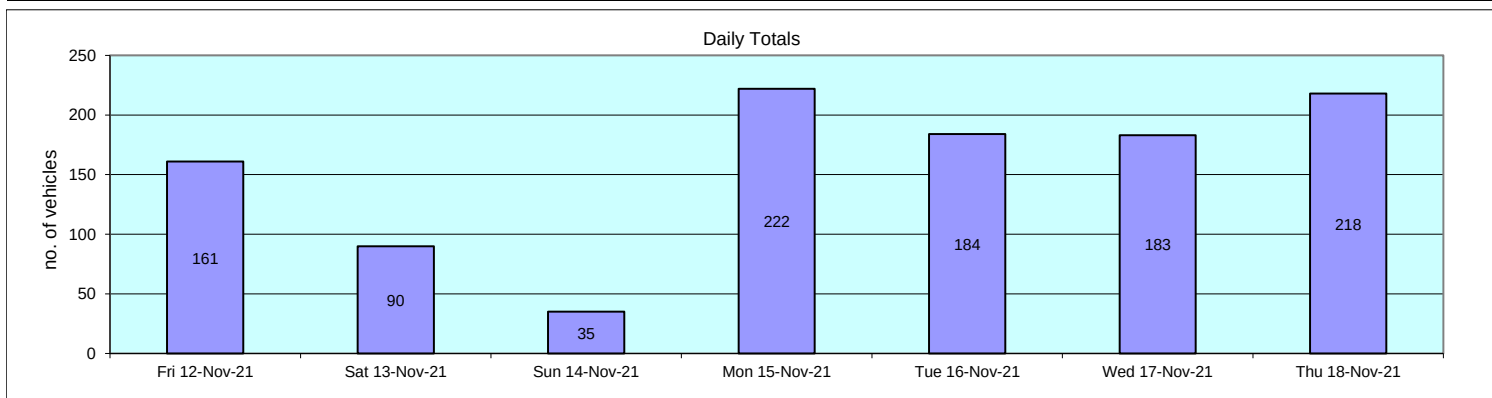
10901	KNOWSLEY					Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)								
	NOVEMBER 2021					Channel: Westbound										
											FIVE OR LESS AXLE MULTI-TRAILER ARTIC					SEVEN OR MORE AXLE ARTIC
	TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC				
Mon 15-Nov-21																
00:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0		
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
02:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0		
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
05:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0		
06:00	4	0	4	0	0	0	0	0	0	0	0	0	0	0		
07:00	8	0	7	1	0	0	0	0	0	0	0	0	0	0		
08:00	6	0	6	0	0	0	0	0	0	0	0	0	0	0		
09:00	18	1	15	2	0	0	0	0	0	0	0	0	0	0		
10:00	26	1	22	3	0	0	0	0	0	0	0	0	0	0		
11:00	13	0	10	2	0	0	0	0	0	1	0	0	0	0		
12:00	18	0	15	2	0	0	1	0	0	0	0	0	0	0		
13:00	22	0	21	0	0	1	0	0	0	0	0	0	0	0		
14:00	16	0	10	3	0	0	0	0	2	0	1	0	0	0		
15:00	20	0	18	2	0	0	0	0	0	0	0	0	0	0		
16:00	18	1	17	0	0	0	0	0	0	0	0	0	0	0		
17:00	30	0	29	1	0	0	0	0	0	0	0	0	0	0		
18:00	18	0	17	1	0	0	0	0	0	0	0	0	0	0		
19:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0		
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12H,7-19	213	3	187	17	0	1	1	0	2	1	1	0	0	0		
16H,6-22	219	3	193	17	0	1	1	0	2	1	1	0	0	0		
18H,6-24	219	3	193	17	0	1	1	0	2	1	1	0	0	0		
24H,0-24	222	3	196	17	0	1	1	0	2	1	1	0	0	0		

10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Westbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/ BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Tue 16-Nov-21														
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	6	0	5	0	0	0	0	0	0	0	1	0	0	0
09:00	14	0	8	4	0	0	0	0	1	0	0	1	0	0
10:00	10	0	9	0	0	0	1	0	0	0	0	0	0	0
11:00	36	0	33	2	0	0	0	0	0	0	1	0	0	0
12:00	18	0	13	2	1	0	1	0	0	0	1	0	0	0
13:00	7	0	3	2	0	0	1	0	0	0	1	0	0	0
14:00	6	0	5	1	0	0	0	0	0	0	0	0	0	0
15:00	17	0	16	1	0	0	0	0	0	0	0	0	0	0
16:00	42	1	35	6	0	0	0	0	0	0	0	0	0	0
17:00	17	0	16	0	0	0	0	0	0	0	0	1	0	0
18:00	7	0	7	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0
21:00	2	0	1	0	0	0	0	0	0	1	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	180	1	150	18	1	0	3	0	1	0	4	2	0	0
16H,6-22	184	1	152	19	1	0	3	0	1	1	4	2	0	0
18H,6-24	184	1	152	19	1	0	3	0	1	1	4	2	0	0
24H,0-24	184	1	152	19	1	0	3	0	1	1	4	2	0	0

10901		KNOWSLEY				Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021						Channel: Westbound								
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI-TRAILER ARTIC	SIX AXLE MULTI-TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
Wed 17-Nov-21														
00:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0
06:00	6	0	5	1	0	0	0	0	0	0	0	0	0	0
07:00	2	0	1	0	0	0	0	0	1	0	0	0	0	0
08:00	4	0	3	1	0	0	0	0	0	0	0	0	0	0
09:00	11	0	5	2	0	1	0	0	2	0	1	0	0	0
10:00	6	0	4	0	1	0	0	0	0	0	0	1	0	0
11:00	14	0	11	2	0	0	0	0	1	0	0	0	0	0
12:00	28	1	27	0	0	0	0	0	0	0	0	0	0	0
13:00	16	0	10	1	2	0	0	1	0	0	0	2	0	0
14:00	17	0	15	2	0	0	0	0	0	0	0	0	0	0
15:00	17	0	11	5	0	0	0	0	0	0	1	0	0	0
16:00	30	1	28	1	0	0	0	0	0	0	0	0	0	0
17:00	13	0	13	0	0	0	0	0	0	0	0	0	0	0
18:00	8	0	7	1	0	0	0	0	0	0	0	0	0	0
19:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	4	0	4	0	0	0	0	0	0	0	0	0	0	0
22:00	2	0	0	0	0	0	2	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	166	2	135	15	3	1	0	1	4	0	2	3	0	0
16H,6-22	178	2	146	16	3	1	0	1	4	0	2	3	0	0
18H,6-24	180	2	146	16	3	1	2	1	4	0	2	3	0	0
24H,0-24	183	2	148	17	3	1	2	1	4	0	2	3	0	0

10901	KNOWSLEY					Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
	NOVEMBER 2021					Channel: Westbound									
												FIVE OR LESS AXLE MULTI-TRAILER		SIX AXLE MULTI-TRAILER	SEVEN OR MORE AXLE
	TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES	BUSES	TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	ARTIC	ARTIC	ARTIC
Thu 18-Nov-21															
00:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:00	3	0	1	1	0	0	1	0	0	0	0	0	0	0	
06:00	7	0	4	0	0	0	3	0	0	0	0	0	0	0	
07:00	10	0	7	1	0	0	1	0	0	0	1	0	0	0	
08:00	9	0	5	3	0	0	0	0	0	1	0	0	0	0	
09:00	23	0	22	0	0	0	0	0	0	0	0	1	0	0	
10:00	12	1	8	3	0	0	0	0	0	0	0	0	0	0	
11:00	13	0	10	1	1	0	0	0	1	0	0	0	0	0	
12:00	20	0	20	0	0	0	0	0	0	0	0	0	0	0	
13:00	20	0	18	1	0	0	0	0	1	0	0	0	0	0	
14:00	27	0	26	1	0	0	0	0	0	0	0	0	0	0	
15:00	20	0	18	2	0	0	0	0	0	0	0	0	0	0	
16:00	19	2	15	2	0	0	0	0	0	0	0	0	0	0	
17:00	20	0	18	0	0	0	0	0	0	0	1	1	0	0	
18:00	11	0	10	1	0	0	0	0	0	0	0	0	0	0	
19:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12H,7-19	204	3	177	15	1	0	1	0	2	1	2	2	0	0	
16H,6-22	214	3	184	15	1	0	4	0	2	1	2	2	0	0	
18H,6-24	214	3	184	15	1	0	4	0	2	1	2	2	0	0	
24H,0-24	218	3	186	16	1	0	5	0	2	1	2	2	0	0	

10901		KNOWSLEY				Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)				
NOVEMBER 2021		Channel: Westbound												
			CARS OR CAR-BASED LGV	LIGHT GOODS VEHICLES		TWO AXLE, SIX TYRE, RIGID/BUSES	THREE AXLE RIGID	FOUR OR MORE AXLE RIGID	FOUR OR LESS AXLE ARTIC	FIVE AXLE ARTIC	SIX OR MORE AXLE ARTIC	FIVE OR LESS AXLE MULTI- TRAILER ARTIC	SIX AXLE MULTI- TRAILER ARTIC	SEVEN OR MORE AXLE ARTIC
TIME PERIOD	TOTAL VEHICLES	MOTOR- CYCLES			BUSES									
Daily Totals														
Fri 12-Nov-21	161	1	149	7	0	1	1	0	0	0	1	1	0	0
Sat 13-Nov-21	90	1	84	1	2	0	1	0	0	0	0	1	0	0
Sun 14-Nov-21	35	3	30	0	0	0	0	0	1	0	0	1	0	0
Mon 15-Nov-21	222	3	196	17	0	1	1	0	2	1	1	0	0	0
Tue 16-Nov-21	184	1	152	19	1	0	3	0	1	1	4	2	0	0
Wed 17-Nov-21	183	2	148	17	3	1	2	1	4	0	2	3	0	0
Thu 18-Nov-21	218	3	186	16	1	0	5	0	2	1	2	2	0	0
Total Vehicles														
[--]	1093	14	945	77	7	3	13	1	10	3	10	10	0	0



10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Fri 12-Nov-21											
00:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
06:00	7	0	0.0	6	85.7	0	0.0	1	14.3	0	0.0
07:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
08:00	15	0	0.0	14	93.3	1	6.7	0	0.0	0	0.0
09:00	11	0	0.0	10	90.9	0	0.0	1	9.1	0	0.0
10:00	12	0	0.0	11	91.7	1	8.3	0	0.0	0	0.0
11:00	10	0	0.0	8	80.0	1	10.0	1	10.0	0	0.0
12:00	22	0	0.0	22	100.0	0	0.0	0	0.0	0	0.0
13:00	14	0	0.0	13	92.9	1	7.1	0	0.0	0	0.0
14:00	14	0	0.0	11	78.6	2	14.3	1	7.1	0	0.0
15:00	25	0	0.0	25	100.0	0	0.0	0	0.0	0	0.0
16:00	12	1	8.3	11	91.7	0	0.0	0	0.0	0	0.0
17:00	4	0	0.0	4	100.0	0	0.0	0	0.0	0	0.0
18:00	10	0	0.0	10	100.0	0	0.0	0	0.0	0	0.0
19:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
20:00	1	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
21:00	0	0	-	0	-	0	-	0	-	0	-
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	150	1	0.7	140	93.3	6	4.0	3	2.0	0	0.0
16H,6-22	159	1	0.6	147	92.5	7	4.4	4	2.5	0	0.0
18H,6-24	159	1	0.6	147	92.5	7	4.4	4	2.5	0	0.0
24H,0-24	161	1	0.6	149	92.6	7	4.4	4	2.5	0	0.0

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sat 13-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	2	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
06:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
07:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
08:00	6	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0
09:00	5	0	0.0	5	100.0	0	0.0	0	0.0	0	0.0
10:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
11:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
12:00	16	0	0.0	15	93.8	1	6.3	0	0.0	0	0.0
13:00	27	0	0.0	26	96.3	0	0.0	0	0.0	1	3.7
14:00	9	1	11.1	8	88.9	0	0.0	0	0.0	0	0.0
15:00	3	0	0.0	2	66.7	0	0.0	0	0.0	1	33.3
16:00	4	0	0.0	3	75.0	0	0.0	1	25.0	0	0.0
17:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
18:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
19:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	0	0	-	0	-	0	-	0	-	0	-
22:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	83	1	1.2	78	94.0	1	1.2	1	1.2	2	2.4
16H,6-22	86	1	1.2	81	94.2	1	1.2	1	1.2	2	2.3
18H,6-24	87	1	1.2	82	94.3	1	1.2	1	1.2	2	2.3
24H,0-24	90	1	1.1	84	93.3	1	1.1	2	2.2	2	2.2

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Sun 14-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
06:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
07:00	0	0	-	0	-	0	-	0	-	0	-
08:00	0	0	-	0	-	0	-	0	-	0	-
09:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
10:00	3	1	33.3	1	33.3	0	0.0	1	33.3	0	0.0
11:00	3	0	0.0	3	100.0	0	0.0	0	0.0	0	0.0
12:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
13:00	3	1	33.3	2	66.7	0	0.0	0	0.0	0	0.0
14:00	11	0	0.0	11	100.0	0	0.0	0	0.0	0	0.0
15:00	4	1	25.0	3	75.0	0	0.0	0	0.0	0	0.0
16:00	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
17:00	0	0	-	0	-	0	-	0	-	0	-
18:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
19:00	0	0	-	0	-	0	-	0	-	0	-
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	0	0	-	0	-	0	-	0	-	0	-
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	31	3	9.7	26	83.9	0	0.0	2	6.5	0	0.0
16H,6-22	34	3	8.8	29	85.3	0	0.0	2	5.9	0	0.0
18H,6-24	34	3	8.8	29	85.3	0	0.0	2	5.9	0	0.0
24H,0-24	35	3	8.6	30	85.7	0	0.0	2	5.7	0	0.0

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Mon 15-Nov-21											
00:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
06:00	4	0	0.0	4	100.0	0	0.0	0	0.0	0	0.0
07:00	8	0	0.0	7	87.5	1	12.5	0	0.0	0	0.0
08:00	6	0	0.0	6	100.0	0	0.0	0	0.0	0	0.0
09:00	18	1	5.6	15	83.3	2	11.1	0	0.0	0	0.0
10:00	26	1	3.9	22	84.6	3	11.5	0	0.0	0	0.0
11:00	13	0	0.0	10	76.9	2	15.4	1	7.7	0	0.0
12:00	18	0	0.0	15	83.3	2	11.1	1	5.6	0	0.0
13:00	22	0	0.0	21	95.5	0	0.0	1	4.6	0	0.0
14:00	16	0	0.0	10	62.5	3	18.8	3	18.8	0	0.0
15:00	20	0	0.0	18	90.0	2	10.0	0	0.0	0	0.0
16:00	18	1	5.6	17	94.4	0	0.0	0	0.0	0	0.0
17:00	30	0	0.0	29	96.7	1	3.3	0	0.0	0	0.0
18:00	18	0	0.0	17	94.4	1	5.6	0	0.0	0	0.0
19:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	0	0	-	0	-	0	-	0	-	0	-
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	213	3	1.4	187	87.8	17	8.0	6	2.8	0	0.0
16H,6-22	219	3	1.4	193	88.1	17	7.8	6	2.7	0	0.0
18H,6-24	219	3	1.4	193	88.1	17	7.8	6	2.7	0	0.0
24H,0-24	222	3	1.4	196	88.3	17	7.7	6	2.7	0	0.0

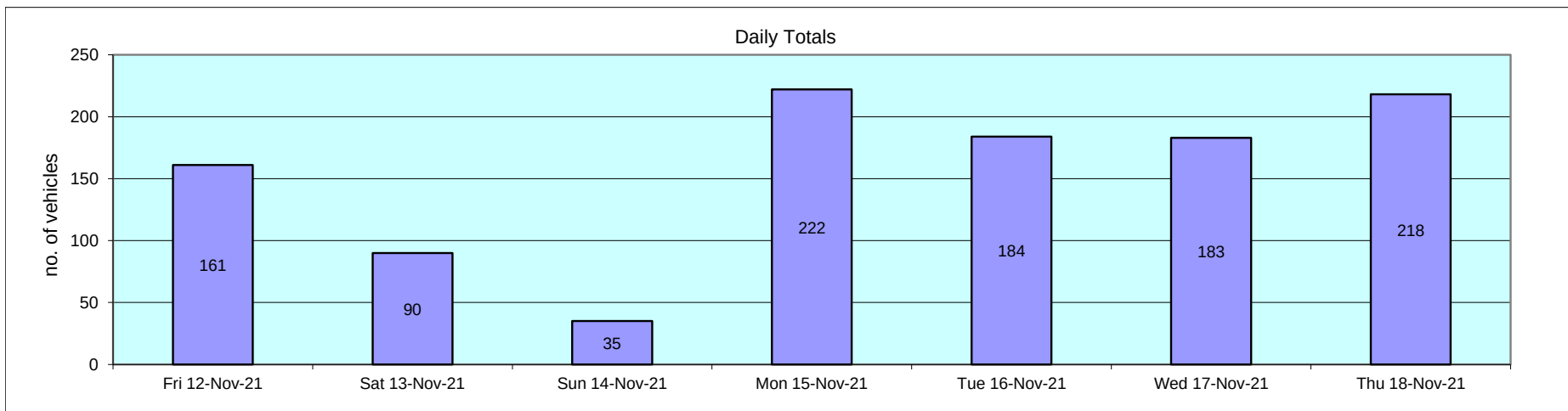
10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Tue 16-Nov-21											
00:00	0	0	-	0	-	0	-	0	-	0	-
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	0	0	-	0	-	0	-	0	-	0	-
06:00	0	0	-	0	-	0	-	0	-	0	-
07:00	0	0	-	0	-	0	-	0	-	0	-
08:00	6	0	0.0	5	83.3	0	0.0	1	16.7	0	0.0
09:00	14	0	0.0	8	57.1	4	28.6	2	14.3	0	0.0
10:00	10	0	0.0	9	90.0	0	0.0	1	10.0	0	0.0
11:00	36	0	0.0	33	91.7	2	5.6	1	2.8	0	0.0
12:00	18	0	0.0	13	72.2	2	11.1	2	11.1	1	5.6
13:00	7	0	0.0	3	42.9	2	28.6	2	28.6	0	0.0
14:00	6	0	0.0	5	83.3	1	16.7	0	0.0	0	0.0
15:00	17	0	0.0	16	94.1	1	5.9	0	0.0	0	0.0
16:00	42	1	2.4	35	83.3	6	14.3	0	0.0	0	0.0
17:00	17	0	0.0	16	94.1	0	0.0	1	5.9	0	0.0
18:00	7	0	0.0	7	100.0	0	0.0	0	0.0	0	0.0
19:00	0	0	-	0	-	0	-	0	-	0	-
20:00	2	0	0.0	1	50.0	1	50.0	0	0.0	0	0.0
21:00	2	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	180	1	0.6	150	83.3	18	10.0	10	5.6	1	0.6
16H,6-22	184	1	0.5	152	82.6	19	10.3	11	6.0	1	0.5
18H,6-24	184	1	0.5	152	82.6	19	10.3	11	6.0	1	0.5
24H,0-24	184	1	0.5	152	82.6	19	10.3	11	6.0	1	0.5

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Wed 17-Nov-21											
00:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	2	0	0.0	1	50.0	1	50.0	0	0.0	0	0.0
06:00	6	0	0.0	5	83.3	1	16.7	0	0.0	0	0.0
07:00	2	0	0.0	1	50.0	0	0.0	1	50.0	0	0.0
08:00	4	0	0.0	3	75.0	1	25.0	0	0.0	0	0.0
09:00	11	0	0.0	5	45.5	2	18.2	4	36.4	0	0.0
10:00	6	0	0.0	4	66.7	0	0.0	1	16.7	1	16.7
11:00	14	0	0.0	11	78.6	2	14.3	1	7.1	0	0.0
12:00	28	1	3.6	27	96.4	0	0.0	0	0.0	0	0.0
13:00	16	0	0.0	10	62.5	1	6.3	3	18.8	2	12.5
14:00	17	0	0.0	15	88.2	2	11.8	0	0.0	0	0.0
15:00	17	0	0.0	11	64.7	5	29.4	1	5.9	0	0.0
16:00	30	1	3.3	28	93.3	1	3.3	0	0.0	0	0.0
17:00	13	0	0.0	13	100.0	0	0.0	0	0.0	0	0.0
18:00	8	0	0.0	7	87.5	1	12.5	0	0.0	0	0.0
19:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	4	0	0.0	4	100.0	0	0.0	0	0.0	0	0.0
22:00	2	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	166	2	1.2	135	81.3	15	9.0	11	6.6	3	1.8
16H,6-22	178	2	1.1	146	82.0	16	9.0	11	6.2	3	1.7
18H,6-24	180	2	1.1	146	81.1	16	8.9	13	7.2	3	1.7
24H,0-24	183	2	1.1	148	80.9	17	9.3	13	7.1	3	1.6

10901	KNOWSLEY	Site No: 10901001	Location	Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021		Channel: Westbound									
TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Thu 18-Nov-21											
00:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
01:00	0	0	-	0	-	0	-	0	-	0	-
02:00	0	0	-	0	-	0	-	0	-	0	-
03:00	0	0	-	0	-	0	-	0	-	0	-
04:00	0	0	-	0	-	0	-	0	-	0	-
05:00	3	0	0.0	1	33.3	1	33.3	1	33.3	0	0.0
06:00	7	0	0.0	4	57.1	0	0.0	3	42.9	0	0.0
07:00	10	0	0.0	7	70.0	1	10.0	2	20.0	0	0.0
08:00	9	0	0.0	5	55.6	3	33.3	1	11.1	0	0.0
09:00	23	0	0.0	22	95.7	0	0.0	1	4.4	0	0.0
10:00	12	1	8.3	8	66.7	3	25.0	0	0.0	0	0.0
11:00	13	0	0.0	10	76.9	1	7.7	1	7.7	1	7.7
12:00	20	0	0.0	20	100.0	0	0.0	0	0.0	0	0.0
13:00	20	0	0.0	18	90.0	1	5.0	1	5.0	0	0.0
14:00	27	0	0.0	26	96.3	1	3.7	0	0.0	0	0.0
15:00	20	0	0.0	18	90.0	2	10.0	0	0.0	0	0.0
16:00	19	2	10.5	15	79.0	2	10.5	0	0.0	0	0.0
17:00	20	0	0.0	18	90.0	0	0.0	2	10.0	0	0.0
18:00	11	0	0.0	10	90.9	1	9.1	0	0.0	0	0.0
19:00	2	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0
20:00	0	0	-	0	-	0	-	0	-	0	-
21:00	1	0	0.0	1	100.0	0	0.0	0	0.0	0	0.0
22:00	0	0	-	0	-	0	-	0	-	0	-
23:00	0	0	-	0	-	0	-	0	-	0	-
12H,7-19	204	3	1.5	177	86.8	15	7.4	8	3.9	1	0.5
16H,6-22	214	3	1.4	184	86.0	15	7.0	11	5.1	1	0.5
18H,6-24	214	3	1.4	184	86.0	15	7.0	11	5.1	1	0.5
24H,0-24	218	3	1.4	186	85.3	16	7.3	12	5.5	1	0.5

10901 KNOWSLEY Site No: 10901001 Location Penrhyn Rd, Knowsley (att to L/C)
NOVEMBER 2021 Channel: Westbound

TIME PERIOD	TOTAL VEHICLES	MOTOR-CYCLES	MOTOR-CYCLES%	CARS	CARS %	LGV	LGV %	HGV	HGV %	BUS	BUS %
Daily Totals											
Fri 12-Nov-21	161	1	0.6	149	92.6	7	4.4	4	2.5	0	0.0
Sat 13-Nov-21	90	1	1.1	84	93.3	1	1.1	2	2.2	2	2.2
Sun 14-Nov-21	35	3	8.6	30	85.7	0	0.0	2	5.7	0	0.0
Mon 15-Nov-21	222	3	1.4	196	88.3	17	7.7	6	2.7	0	0.0
Tue 16-Nov-21	184	1	0.5	152	82.6	19	10.3	11	6.0	1	0.5
Wed 17-Nov-21	183	2	1.1	148	80.9	17	9.3	13	7.1	3	1.6
Thu 18-Nov-21	218	3	1.4	186	85.3	16	7.3	12	5.5	1	0.5
Total Vehicles											
[--]	1093	14	2.1	945	87.0	77	5.7	50	4.5	7	0.7



10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021					Channel: Westbound												
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56	
Fri 12-Nov-21																	
00:00	1	-	23.5	-	0	0	0	0	1	0	0	0	0	0	0	0	
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
05:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0	
06:00	7	-	32.1	7	0	0	0	1	0	1	3	2	0	0	0	0	
07:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0	
08:00	15	30.3	25.2	7.1	0	1	0	2	5	5	1	1	0	0	0	0	
09:00	11	30.6	23.5	6.5	0	0	1	3	4	1	2	0	0	0	0	0	
10:00	12	24.5	16.9	8.2	1	1	5	2	1	1	1	0	0	0	0	0	
11:00	10	31	24	13.5	0	1	3	1	0	3	1	0	0	0	1	0	
12:00	22	24.7	20.3	6.4	0	0	4	12	3	1	1	1	0	0	0	0	
13:00	14	23	17.8	7.9	0	1	7	3	1	1	0	1	0	0	0	0	
14:00	14	33	24.2	8.2	0	0	2	3	5	1	1	2	0	0	0	0	
15:00	25	42.8	31.1	10.3	0	0	2	3	2	7	2	3	5	1	0	0	
16:00	12	39.7	31.5	11.6	1	0	0	2	0	0	3	5	1	0	0	0	
17:00	4	-	20.1	11.9	1	0	0	1	1	0	1	0	0	0	0	0	
18:00	10	36	25.5	9.9	0	0	2	2	2	0	2	2	0	0	0	0	
19:00	1	-	38.5	-	0	0	0	0	0	0	0	1	0	0	0	0	
20:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0	
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
12H,7-19	150	36	24.3	10	3	4	26	34	24	20	16	15	6	1	1	0	
16H,6-22	159	36.5	24.7	10	3	4	26	35	24	22	19	18	6	1	1	0	
18H,6-24	159	36.5	24.7	10	3	4	26	35	24	22	19	18	6	1	1	0	
24H,0-24	161	36.4	24.8	10	3	4	26	35	25	22	20	18	6	1	1	0	

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Westbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sat 13-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	2	-	28.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	23.5	-	0	0	0	0	1	0	0	0	0	0	0	0
06:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0
07:00	2	-	23.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0
08:00	6	-	20.2	6.2	0	1	0	1	4	0	0	0	0	0	0	0
09:00	5	-	24.5	4.4	0	0	0	1	2	2	0	0	0	0	0	0
10:00	3	-	21.8	7.6	0	0	1	0	1	1	0	0	0	0	0	0
11:00	3	-	16.8	3.1	0	0	1	2	0	0	0	0	0	0	0	0
12:00	16	23.6	19.8	5.2	0	0	3	8	4	0	1	0	0	0	0	0
13:00	27	25.2	20.5	5.6	0	1	4	9	10	2	1	0	0	0	0	0
14:00	9	-	20.7	8	0	1	2	1	3	1	1	0	0	0	0	0
15:00	3	-	23.5	1.7	0	0	0	0	3	0	0	0	0	0	0	0
16:00	4	-	22.3	8.5	0	0	1	1	1	0	1	0	0	0	0	0
17:00	3	-	21.8	5.9	0	0	0	2	0	1	0	0	0	0	0	0
18:00	2	-	36	10.6	0	0	0	0	0	1	0	0	1	0	0	0
19:00	2	-	28.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	1	-	38.5	-	0	0	0	0	0	0	0	1	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	83	26.6	21.2	6.3	0	3	12	26	28	9	4	0	1	0	0	0
16H,6-22	86	27.3	21.5	6.4	0	3	12	26	29	10	5	0	1	0	0	0
18H,6-24	87	27.7	21.7	6.6	0	3	12	26	29	10	5	1	1	0	0	0
24H,0-24	90	28	21.8	6.6	0	3	12	26	31	10	6	1	1	0	0	0

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Westbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Sun 14-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0
06:00	3	-	36.8	5.9	0	0	0	0	0	0	2	0	1	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
09:00	2	-	28.5	7.1	0	0	0	0	1	0	1	0	0	0	0	0
10:00	3	-	26.8	7.6	0	0	0	1	0	1	1	0	0	0	0	0
11:00	3	-	23.5	13.2	0	0	1	1	0	0	0	1	0	0	0	0
12:00	2	-	21	3.5	0	0	0	1	1	0	0	0	0	0	0	0
13:00	3	-	23.5	5	0	0	0	1	1	1	0	0	0	0	0	0
14:00	11	24.5	20.8	4.3	0	0	2	2	7	0	0	0	0	0	0	0
15:00	4	-	23.5	9.1	0	0	1	1	0	1	1	0	0	0	0	0
16:00	1	-	18.5	-	0	0	0	1	0	0	0	0	0	0	0	0
17:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
18:00	2	-	36	3.5	0	0	0	0	0	0	1	1	0	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	31	32.1	23.7	7.3	0	0	4	8	10	3	4	2	0	0	0	0
16H,6-22	34	33.8	24.8	8	0	0	4	8	10	3	6	2	1	0	0	0
18H,6-24	34	33.8	24.8	8	0	0	4	8	10	3	6	2	1	0	0	0
24H,0-24	35	34	25.1	8.1	0	0	4	8	10	3	7	2	1	0	0	0

10901		KNOWSLEY			Site No: 10901001		Location Penrhyn Rd, Knowsley (att to L/C)										
NOVEMBER 2021					Channel: Westbound												
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56	
Mon 15-Nov-21																	
00:00	1	-	23.5	-	0	0	0	0	1	0	0	0	0	0	0	0	
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
02:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0	
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
05:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0	
06:00	4	-	27.3	9.5	0	0	1	0	0	1	2	0	0	0	0	0	
07:00	8	-	25.4	8.9	0	0	1	1	4	0	0	2	0	0	0	0	
08:00	6	-	29.3	6	0	0	0	1	0	2	3	0	0	0	0	0	
09:00	18	33	20.7	11.2	0	3	5	3	3	0	2	0	2	0	0	0	
10:00	26	23	18.9	5.3	0	1	5	14	4	1	1	0	0	0	0	0	
11:00	13	32.4	26.2	6.8	0	0	0	4	2	4	2	1	0	0	0	0	
12:00	18	33.3	22.9	9.6	0	2	4	1	4	2	4	1	0	0	0	0	
13:00	22	25	21.2	7.5	0	2	1	8	9	0	1	0	1	0	0	0	
14:00	16	41.2	28.5	11.2	0	1	1	3	1	4	1	2	3	0	0	0	
15:00	20	37.3	31.5	9.5	0	0	1	2	1	5	7	2	0	1	1	0	
16:00	18	42	34.6	7.3	0	0	0	1	1	3	5	4	4	0	0	0	
17:00	30	26	22.7	5.9	0	1	2	6	16	3	1	1	0	0	0	0	
18:00	18	30.5	23.2	8.4	0	2	2	1	7	3	2	1	0	0	0	0	
19:00	2	-	21	3.5	0	0	0	1	1	0	0	0	0	0	0	0	
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
21:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
12H,7-19	213	34.9	24.7	9.3	0	12	22	45	52	27	29	14	10	1	1	0	
16H,6-22	219	34.8	24.8	9.3	0	12	23	46	53	28	31	14	10	1	1	0	
18H,6-24	219	34.8	24.8	9.3	0	12	23	46	53	28	31	14	10	1	1	0	
24H,0-24	222	34.8	24.8	9.2	0	12	23	46	54	29	32	14	10	1	1	0	

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Westbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Tue 16-Nov-21																
00:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
07:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
08:00	6	-	27.7	6.8	0	0	0	1	2	0	3	0	0	0	0	0
09:00	14	37.8	25.6	10.6	0	1	2	2	3	1	1	4	0	0	0	0
10:00	10	26	18.1	7.8	1	1	1	4	1	2	0	0	0	0	0	0
11:00	36	27.4	21.4	6.3	0	2	3	13	11	4	3	0	0	0	0	0
12:00	18	33.3	24.3	8	0	0	3	4	4	2	4	1	0	0	0	0
13:00	7	-	25.6	11.2	0	1	1	0	1	1	2	1	0	0	0	0
14:00	6	-	28.5	11.9	0	1	0	0	1	1	2	0	1	0	0	0
15:00	17	35.8	29.7	11.9	0	1	1	1	3	4	4	1	0	0	2	0
16:00	42	37.8	25.2	10.2	0	2	8	7	6	6	3	9	1	0	0	0
17:00	17	35.9	23.2	10.8	0	2	3	4	2	0	3	3	0	0	0	0
18:00	7	-	30.6	7.7	0	0	0	0	3	0	3	0	1	0	0	0
19:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
20:00	2	-	31	3.5	0	0	0	0	0	1	1	0	0	0	0	0
21:00	2	-	26	10.6	0	0	0	1	0	0	1	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	180	35.4	24.6	9.6	1	11	22	36	37	21	28	19	3	0	2	0
16H,6-22	184	35.3	24.7	9.6	1	11	22	37	37	22	30	19	3	0	2	0
18H,6-24	184	35.3	24.7	9.6	1	11	22	37	37	22	30	19	3	0	2	0
24H,0-24	184	35.3	24.7	9.6	1	11	22	37	37	22	30	19	3	0	2	0

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)							
NOVEMBER 2021					Channel: Westbound												
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56	
Wed 17-Nov-21																	
00:00	1	-	28.5	-	0	0	0	0	0	1	0	0	0	0	0	0	
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
05:00	2	-	31	3.5	0	0	0	0	0	1	1	0	0	0	0	0	
06:00	6	-	33.5	7.1	0	0	0	0	1	1	2	1	1	0	0	0	
07:00	2	-	23.5	7.1	0	0	0	1	0	1	0	0	0	0	0	0	
08:00	4	-	42.3	11.1	0	0	0	0	0	0	1	2	0	0	0	1	
09:00	11	33.1	22.1	10.4	0	2	2	0	4	0	2	1	0	0	0	0	
10:00	6	-	27.7	7.5	0	0	0	2	0	1	3	0	0	0	0	0	
11:00	14	29.5	21.4	7.1	0	0	3	6	1	2	2	0	0	0	0	0	
12:00	28	26.8	19.4	7.9	0	4	5	10	4	2	2	1	0	0	0	0	
13:00	16	31.3	21.9	8.8	0	1	1	9	1	1	2	0	1	0	0	0	
14:00	17	34.7	28.2	6.6	0	0	0	3	3	5	4	2	0	0	0	0	
15:00	17	38.4	29.4	10.9	0	1	2	1	1	3	4	4	0	1	0	0	
16:00	30	41	30.2	9.9	0	0	1	4	7	6	4	3	3	1	1	0	
17:00	13	37.4	27.1	11.3	1	0	1	2	2	1	3	2	1	0	0	0	
18:00	8	-	29.8	8.8	0	0	0	2	1	1	1	3	0	0	0	0	
19:00	2	-	28.5	14.1	0	0	0	1	0	0	0	1	0	0	0	0	
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
21:00	4	-	29.8	2.8	0	0	0	0	0	3	1	0	0	0	0	0	
22:00	2	-	26	3.5	0	0	0	0	1	1	0	0	0	0	0	0	
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
12H,7-19	166	36.4	25.9	10.1	1	8	15	40	24	23	28	18	5	2	1	1	
16H,6-22	178	36.7	26.2	10	1	8	15	41	25	27	31	20	6	2	1	1	
18H,6-24	180	36.6	26.2	10	1	8	15	41	26	28	31	20	6	2	1	1	
24H,0-24	183	36.5	26.3	9.9	1	8	15	41	26	30	32	20	6	2	1	1	

10901		KNOWSLEY			Site No: 10901001					Location Penrhyn Rd, Knowsley (att to L/C)						
NOVEMBER 2021					Channel: Westbound											
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
Thu 18-Nov-21																
00:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0
01:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
05:00	3	-	31.8	7.6	0	0	0	0	1	0	1	1	0	0	0	0
06:00	7	-	24.2	6.2	0	0	0	3	1	2	1	0	0	0	0	0
07:00	10	33.5	25	10.1	0	0	2	3	0	2	2	0	1	0	0	0
08:00	9	-	21.3	8	0	0	2	4	1	1	0	1	0	0	0	0
09:00	23	24.4	17	7.4	0	6	5	6	3	2	1	0	0	0	0	0
10:00	12	24.5	18.5	7.8	0	2	3	3	2	1	1	0	0	0	0	0
11:00	13	29.9	23.9	6.4	0	0	1	4	3	3	2	0	0	0	0	0
12:00	20	34.8	24	12.2	0	2	3	5	3	2	2	2	0	0	0	1
13:00	20	23.5	19	8.5	0	4	4	4	5	1	1	1	0	0	0	0
14:00	27	28.9	24.4	5.5	0	1	0	3	15	6	1	1	0	0	0	0
15:00	20	37.9	28.8	7.8	0	0	0	3	6	4	2	4	1	0	0	0
16:00	19	48.1	38	10.2	0	0	0	0	3	2	4	2	3	4	0	1
17:00	20	23.5	20.8	7.8	0	1	4	7	5	1	0	2	0	0	0	0
18:00	11	30.3	25.3	7.9	0	0	0	4	3	2	1	0	1	0	0	0
19:00	2	-	11	3.5	0	1	1	0	0	0	0	0	0	0	0	0
20:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
21:00	1	-	33.5	-	0	0	0	0	0	0	1	0	0	0	0	0
22:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0
12H,7-19	204	34.2	23.9	10	0	16	24	46	49	27	17	13	6	4	0	2
16H,6-22	214	34	23.8	9.9	0	17	25	49	50	29	19	13	6	4	0	2
18H,6-24	214	34	23.8	9.9	0	17	25	49	50	29	19	13	6	4	0	2
24H,0-24	218	34.3	24	9.9	0	17	25	49	51	29	21	14	6	4	0	2

10901 KNOWSLEY Site No: 10901001 Location Penrhyn Rd, Knowsley (att to L/C)
NOVEMBER 2021 Channel: Westbound

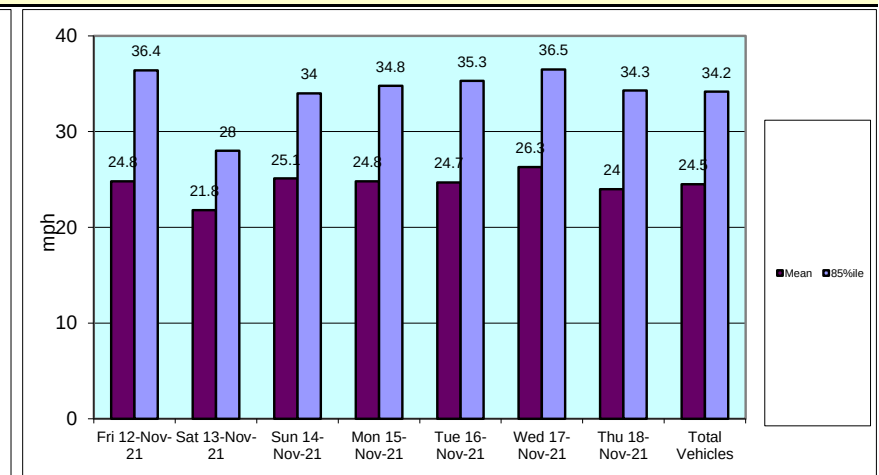
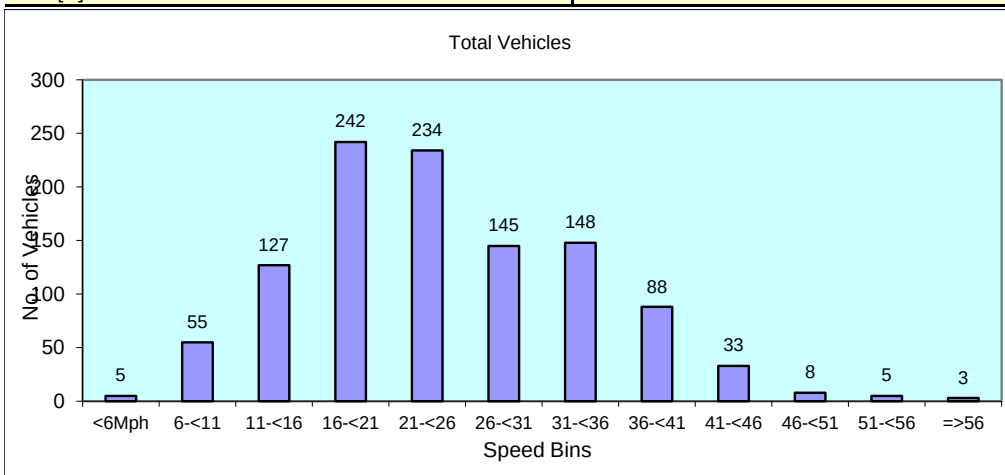
Time Period	Total Vehicles	85%ile Speed	Mean Speed	Stand Dev.	<6Mph	6-<11	11-<16	16-<21	21-<26	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	=>56
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Daily Totals

Fri 12-Nov-21	161	36.4	24.8	10	3	4	26	35	25	22	20	18	6	1	1	0
Sat 13-Nov-21	90	28	21.8	6.6	0	3	12	26	31	10	6	1	1	0	0	0
Sun 14-Nov-21	35	34	25.1	8.1	0	0	4	8	10	3	7	2	1	0	0	0
Mon 15-Nov-21	222	34.8	24.8	9.2	0	12	23	46	54	29	32	14	10	1	1	0
Tue 16-Nov-21	184	35.3	24.7	9.6	1	11	22	37	37	22	30	19	3	0	2	0
Wed 17-Nov-21	183	36.5	26.3	9.9	1	8	15	41	26	30	32	20	6	2	1	1
Thu 18-Nov-21	218	34.3	24	9.9	0	17	25	49	51	29	21	14	6	4	0	2

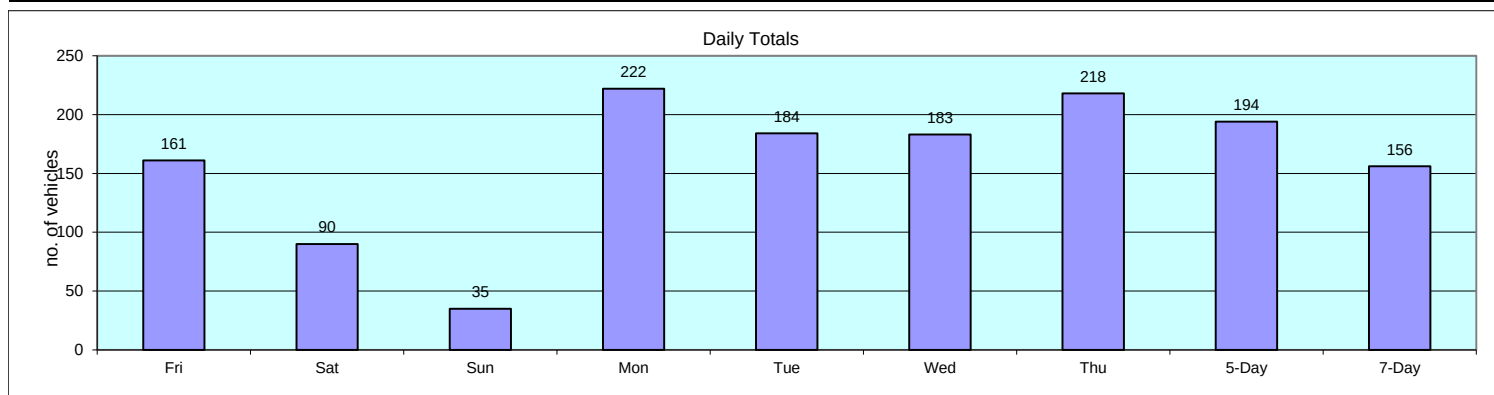
Total Vehicles

[--]	1093	34.2	24.5	9.0	5	55	127	242	234	145	148	88	33	8	5	3
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10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)	
	NOVEMBER 2021			Channel: Westbound					
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	5-Day	7-Day
TIME PERIOD	12/11/2021	13/11/2021	14/11/2021	15/11/2021	16/11/2021	17/11/2021	18/11/2021	Av	Av
Week Begin: 12-Nov-21									
00:00	1	0	0	1	0	1	1	1	1
01:00	0	2	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0
05:00	1	1	1	1	0	2	3	1	1
06:00	7	1	3	4	0	6	7	5	4
07:00	1	2	0	8	0	2	10	4	3
08:00	15	6	0	6	6	4	9	8	7
09:00	11	5	2	18	14	11	23	15	12
10:00	12	3	3	26	10	6	12	13	10
11:00	10	3	3	13	36	14	13	17	13
12:00	22	16	2	18	18	28	20	21	18
13:00	14	27	3	22	7	16	20	16	16
14:00	14	9	11	16	6	17	27	16	14
15:00	25	3	4	20	17	17	20	20	15
16:00	12	4	1	18	42	30	19	24	18
17:00	4	3	0	30	17	13	20	17	12
18:00	10	2	2	18	7	8	11	11	8
19:00	1	2	0	2	0	2	2	1	1
20:00	1	0	0	0	2	0	0	1	0
21:00	0	0	0	0	2	4	1	1	1
22:00	0	1	0	0	0	2	0	0	0
23:00	0	0	0	0	0	0	0	0	0
12H,7-19	150	83	31	213	180	166	204	183	147
16H,6-22	159	86	34	219	184	178	214	191	153
18H,6-24	159	87	34	219	184	180	214	191	154
24H,0-24	161	90	35	222	184	183	218	194	156
Am	08:00	08:00	06:00	10:00	11:00	11:00	09:00		
Peak	15	6	3	26	36	14	23		
Pm	15:00	13:00	14:00	17:00	16:00	16:00	14:00		
Peak	25	27	11	30	42	30	27		

10901	KNOWSLEY			Site No: 10901001		Location		Penrhyn Rd, Knowsley (att to L/C)	
	NOVEMBER 2021			Channel: Westbound					
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	5-Day	7-Day
TIME PERIOD	12/11/2021	13/11/2021	14/11/2021	15/11/2021	16/11/2021	17/11/2021	18/11/2021	Av	Av



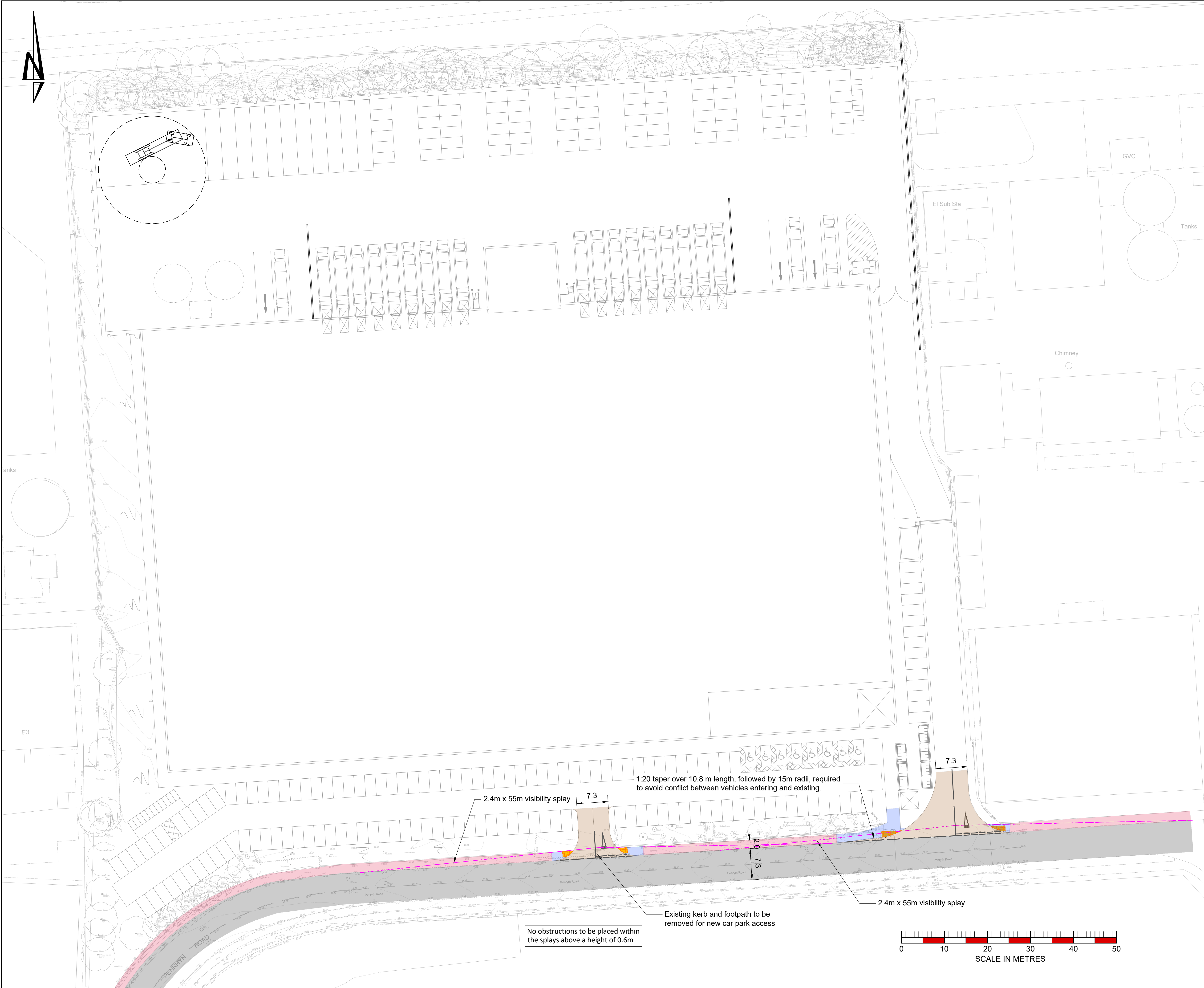
Classification Schemes

Scheme F Classification Scheme (Non-metric)

Scheme F is an attempt to implement the FWHA's visual classification scheme as an axle-based classification scheme. This is one of several interpretations.

Class	Vehicle Type	No. of Axles	Axle spacing in feet				
			Axle 1 to 2	Axle 2 to 3	Axle 3 to 4	Axle 4 to 5	Axle 5 to 6
1	motorcycle	2	<6.0				
2	passenger car	2	6.0 - 10.0				
	car + 1 axle trailer	3	<10.0	10.0 - 18.0			
	car + 2 axle trailer	4	<10.0		<3.5		
3	pickup	2	10.0 - 15.0				
	pickup + 1 axle trailer	3	10.0 - 15.0	10.0 - 18.0			
	pickup + 2 axle trailer	4	10.0 - 15.0		<3.5		
	pickup + 3 axle trailer	5	9.9 - 15.0			<3.5	
4	Traditional bus/coach	2	>20.0				
	Traditional bus/coach	3	>19.0				
5	single unit truck/bus - dual rear axle	2	14.9 - 20.0			<3.5	
6	3 axle truck	3		<18.0			
7	4 axle truck	4					
8	2S1	3		>18.0			
	2S2	4		>5.0	>3.5		
	3S1	4		<5.0	>10.0		
9	3S2	5		<6.1		3.5 - 8.0	
	5 axle combination	5					
10	6 axle combination	6			3.5 - 5.0		
	3S3	6					
11	2S1-2	5		>6.0			
12	3S1-2	6					>10.0
13	truck	7 or more					

Appendix B Site Access Visibility Splays



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION

MAINTENANCE

DEMOLITION

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL THE RELEVANT ARCHITECTS, ENGINEERS' AND SERVICE ENGINEERS DRAWINGS & SPECIFICATIONS.

Proposed Footway Construction

Proposed Carriageway Construction

Existing Footway

Existing Carriageway

Proposed Tactile Paving

Visibility Splay

This drawing is based on UMC Architect's drawing ref: 21002-P0102D-Site Layout

P05	01.04.2022	RO	Visibility Splays Updated	JAM
P04	03.02.2022	RO	Updated Architect Layout	JAM
P03	30.11.2021	RO	Updated to show 55m visibility splay	JAM
P02	19.11.2021	RO	Vehicle tracking removed	JAM
P01	19.11.2021	RO	FIRST ISSUE	JAM
REV	DATE	BY	REVISION	CHK'D

Burrows Graham

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CLIENT

GRAFTONGATE

PROJECT

**PENRHYN ROAD, MERSEYSIDE
KNOWSLEY BUSINESS PARK**

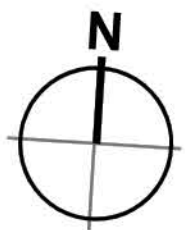
DRAWING TITLE

**SITE ACCESS
GENERAL ARRANGEMENT**

OUR PROJECT NUMBER 21065	DRAWING STATUS PRELIMINARY	OFFICE NORTH
SCALE @ A1 1:500	DATE 19.11.2022	DRAWN BY RO
DRAWING No 21065-BGL-XX-XX-SK-S-0003		CHECKED BY JAM
		REV P5

Appendix C Revised Site Layout

A580 - E Lancashire Road



- Dimensions are in millimeters, unless stated otherwise.
- Scaling of this drawing is not recommended.
- It is the recipient's responsibility to print this document to the correct scale.
- All relevant drawings and specifications should be read in conjunction with this drawing.

- Layout to be confirmed

C1 - Revision reference

Plot Boundary

C Car Charging Spaces
5% active EV charging spaces to be provided location tbc.

Knowsley Brook Easement
(8m wide)

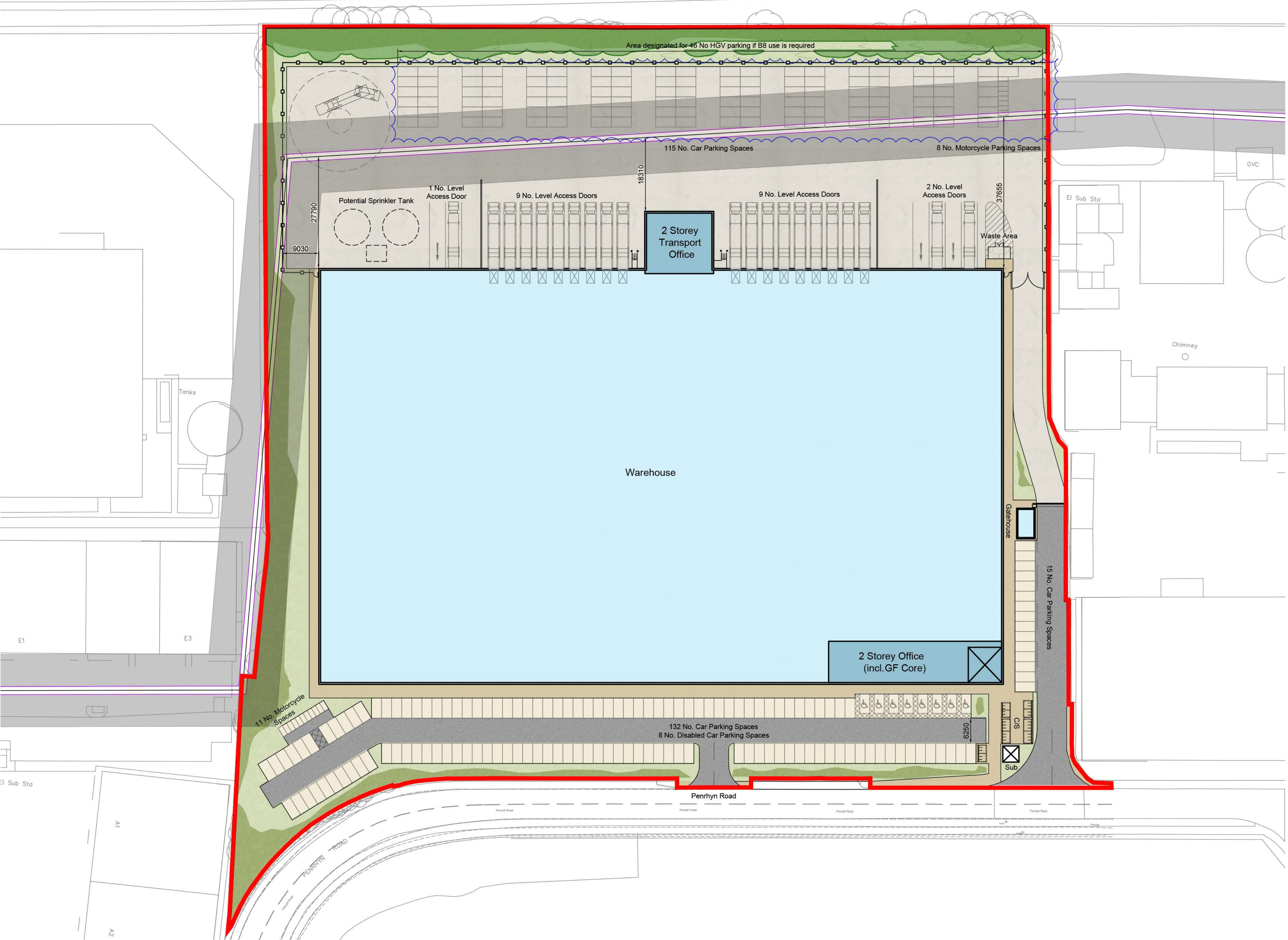
SCHEDULE OF ACCOMMODATION
(Gross Internal Area)

Unit 100	
Warehouse Area	- 184,700 ft ² (17,159 m ²)
Office	- 9,720 ft ² (903 m ²)
(Incl. GF core)	
Transport Office	- 5,000 ft ² (465 m ²)
Gatehouse	- 300 ft ² (28 m ²)
Total Area	- 199,720 ft² (18,554 m²)

Planning Boundary - 9.38 Acres (3.79 Hectares)

Site Density - 49.14%

Car Parking Spaces - 262 No.
Level Access Doors - 3 No.
Dock Loading Doors - 18 No.
Cycle Spaces - 56 No.
Motorcycle Spaces - 19 No.



10m SCALE 1:500

PLANNING

THIS DRAWING IS FOR PLANNING CONSIDERATION ONLY
AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE

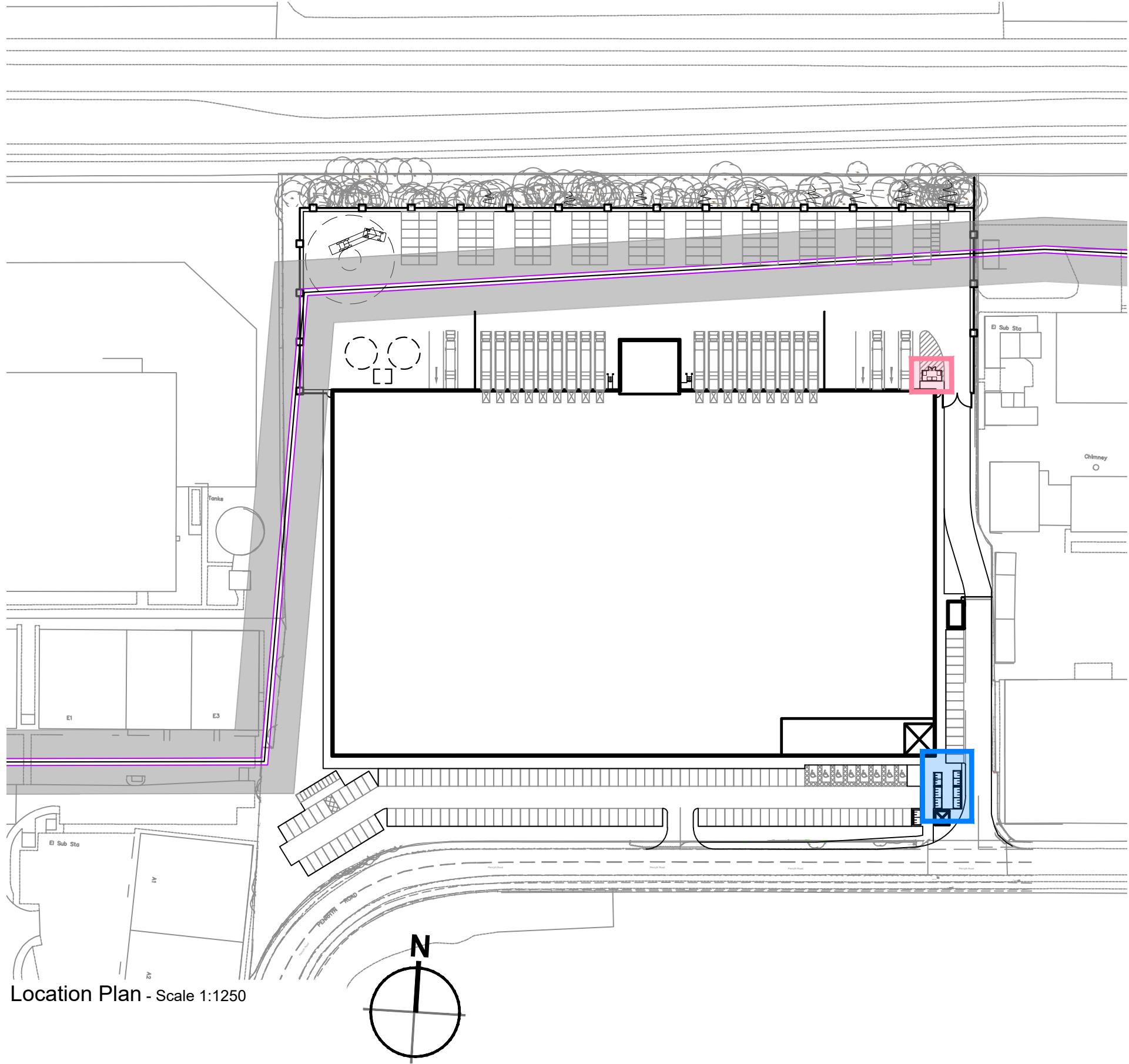
rev amendments by ckd date

Penrhyn Road, Knowsley Business
Park, Merseyside
Site Layout

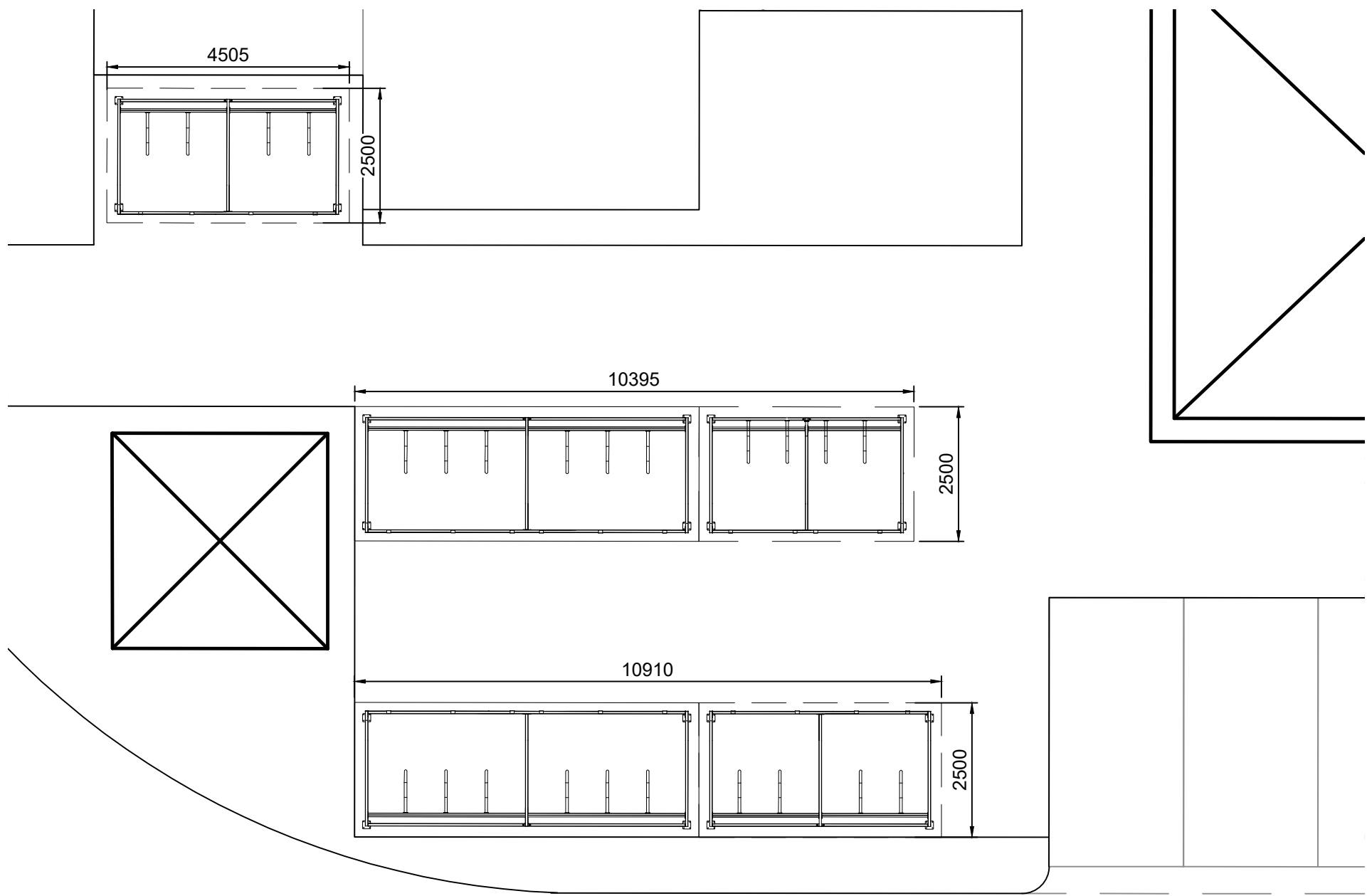
GRAFTONGATE



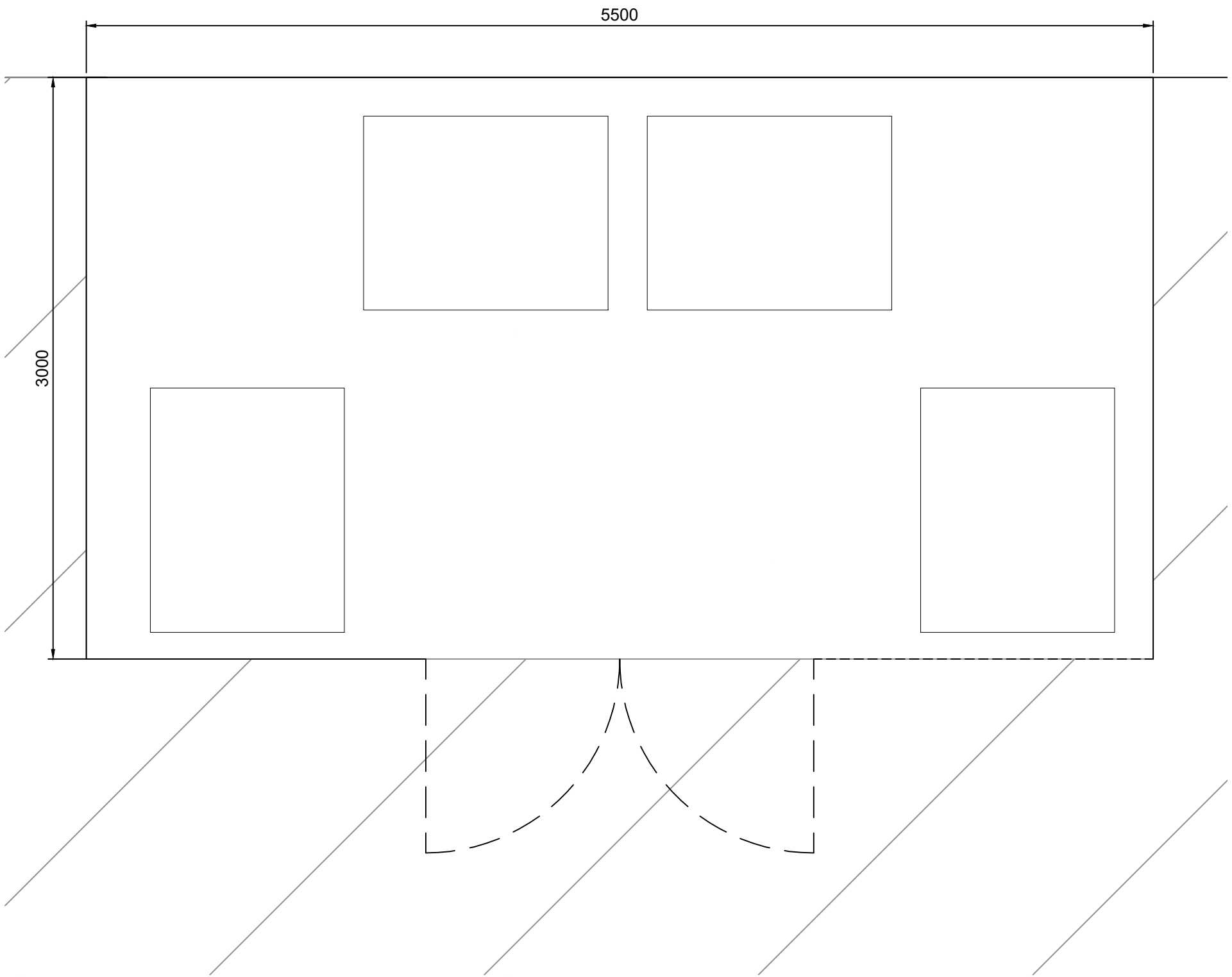
Drawing Status:	Planning
Drawn / Checked:	RF / LF
Date:	12/01/2022
Scale:	1:500 A1
Drawing no:	Revision:
21002 P0102	F



Location Plan - Scale 1:1250



Cycle Shelter Extract 1:100



Bin Store Scale 1:25

Capping piece to be continuous between posts to be twice weathered on wide face and to be fixed to the counter rail in accordance with fencing sub contractors.

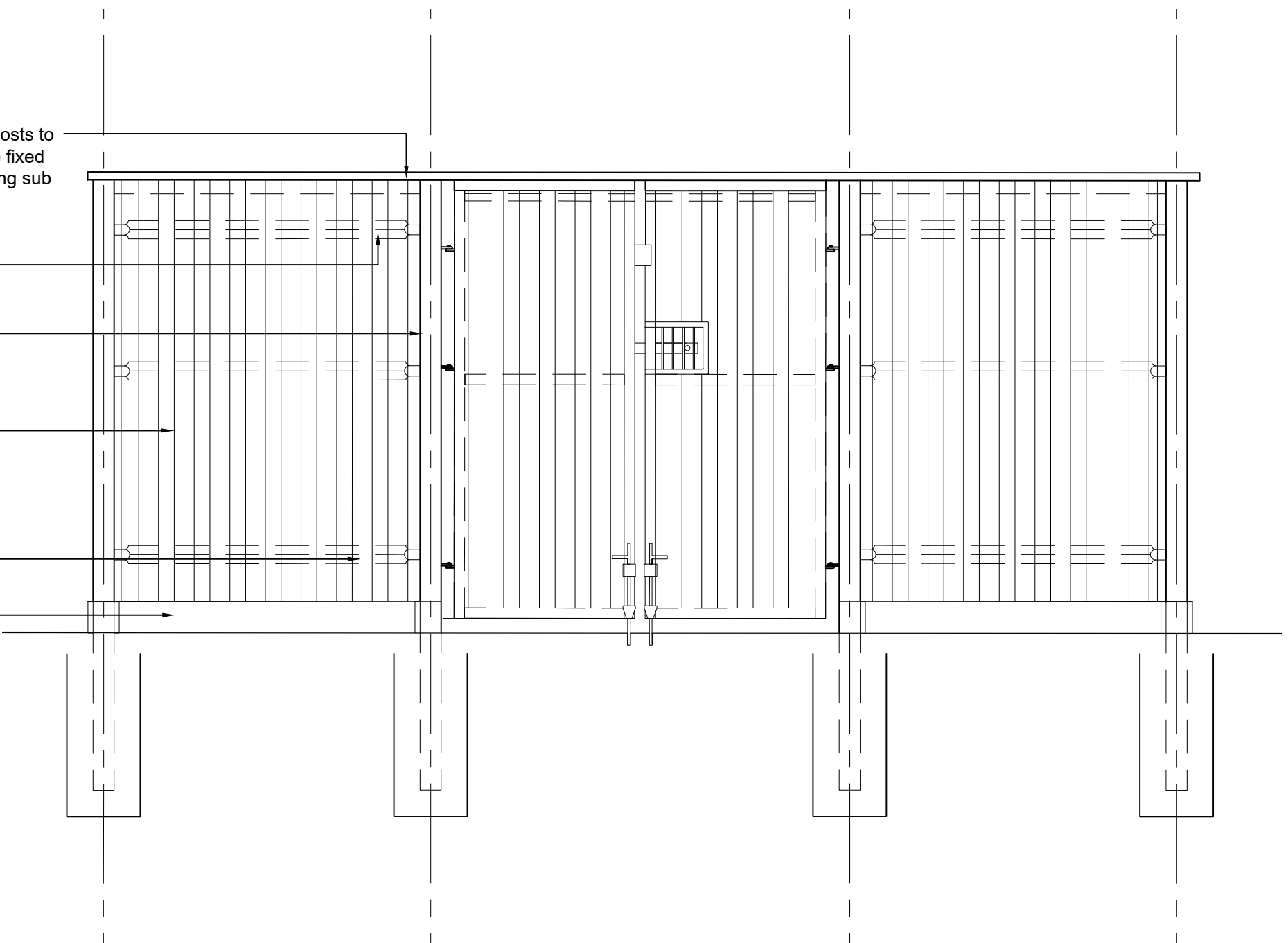
Top aris rail to be set approximately 235mm from the top of the boards.

Close boarded fence to be constructed from 75 x 22mm fixed to both sides of aris rail and to be finished in a two way weathered style.

Posts to be constructed from factory cut softwood concreted into place size to be confirmed by fencing sub contractor.

Timber post mortices to be set minimum of 25mm from face of posts

Timber gravel boards to be attached to posts with timber cleats



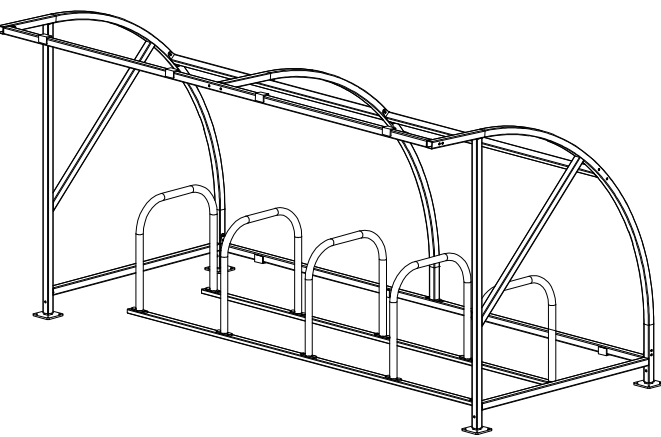
Hit & Miss Boarded Fence - Scale 1:25



- Dimensions are in millimeters, unless stated otherwise.
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- It is the recipients responsibility to print this document to the correct scale.
- All relevant drawings and specifications should be read in conjunction with this drawing.

- Layout to be confirmed

C1 - Revision reference

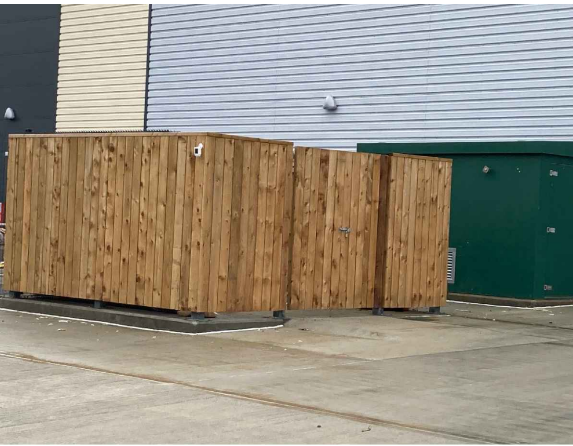


Cycle Shelter 3D NTS



Typical Image

Colour: Anthracite (RAL 7016)



Hit & Miss Boarded Fence

PLANNING

THIS DRAWING IS FOR PLANNING CONSIDERATION ONLY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE

rev	amendments	by	ckd	date
-----	------------	----	-----	------

Penrhyn Road, Knowsley Business Park, Merseyside				
Cycle Shelter & Waste Area Details				

GRAFTONGATE



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o: +44 (0)1636 653027 e: info@umcarchitects.com

Drawing Status:	Planning
Drawn / Checked:	RF / LF
Date:	21/01/2022
Scale:	1:25 A1
Drawing no:	Revision:
21002 P0104	D

Appendix D Articulated Vehicle Swept Path Analysis

